



Quantum 110 & 210 Parts Manual



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REVISION RECORD

Date	Revision	Page	Reason
16/12/2010	1	All	Original Issue
07/07/2011	2	3-5	Main Contents updated
	2	2-1	Section 2 Contents updated
	2	2-9 & 2-11	950397 & 950394 Temp. Comp. Noz Panels added to Parts
	2	2-23 & 2-25	950397 & 950394 Temp. Comp. Noz Panels added to Parts
	2	2-33	New headings added
	2	2-34 to 2-35	New Lock Assembly added
	2	3-16	945127-013 Gold Scuffguard added to parts
	2	3-17	990295-004 Gold Sleeve & 945128-013 Prod. Sleeve added
	2	3-18	945129-021 Gold Splashguard added to parts
	2	3-19	901140-026 Gold Sleeve Break added to parts
	2	4-8 to 4-9	Filter Assembly & Parts List updated
	2	4-37	Part 949545 replaced with 949881
	2	4-49	Part 949545 replaced with 949881
	2	5-1	Section 5 Contents updated
	2	5-16 to 5-17	EMT Only Calc. Doors Assembly & Parts List added
	2	5-20 to 5-21	TQC-IPD Calc. Door Assembly & Parts List added
	2	5-22 to 5-23	TQC-IPD Calc. Door Assembly with IPI & Parts List added
	2	5-48 to 5-49	Anti-fraud Assemblies & Parts List added
	2	5-50 to 5-51	Calc. Head Anti-fraud Assembly & Parts pages removed
	2	6-3	900060-021&-022 replaces 900060-008&-009. -020 added
29/11/2013	3	6-3	Ballon (16) Updated
	3	Front Cover	Front Cover Updated
	3	1-4	Main Contents Updated
	3	2-1	Section 2 contents updated
	3	2-8 to 2-11	Drawing & Parts List Updated
	3	2-16 to 2-19	Drawing & Parts List Updated
	3	2-22 to 2-25	Drawing & Parts List Updated
	3	2-32 to 2-35	2.3 Q210 SDS Frame & Cladding
	3	2-36 to 2-37	2.3.1 Q210 SDS Hydraulic door added
	3	2-40 to 2-41	Drawing & Parts List Updated
	3	4-1 to 4-2	Section 4 contents updated
	3	4-4 to 4-5	EPZ (TQP-RS) Flexible pipe connections - Manufactured after Febuary 2012 added
	3	4-16 to 4-19	Drawing & Parts List Updated
	3	4-20to 4-23	4.3.3 TQP-HS (PAS V3) Hydraulic stack - Manufactured after Agust 2010 added
	3	4-27	Parts List Updated
	3	4-29	Parts List Updated
	3	4-31	Parts List Updated
	3	4-36 to 4-31	4.5.5 meter A2 to hose H1 & meter B1 to hose H4 (with satellite) - Manufactured after Febuary 2012 added
	3	4-38 to 4-39	4.5.6 Meter A2 to hose H1 (PAS V3 80LPM) added
	3	4-40 to 4-41	Drawing & Parts List Updated
	3	4-43	Parts List Updated
	3	4-44 to 4-45	4.5.9 Meter A2/B2 to hose H1 - Submerged added
	3	4-54 to 4-55	4.5.12 Meter A2/B2 to hose H1 with satellite Manufactured after Febuary 2012 added
	3	4-56 to 4-57	4.5.13 meter A2/B2 to H1 with satellite - submerged added

(Cont.)

Date	Revision	Page	Reason
29/11/2013	3	4-62 to 4-63	4.5.15 Meter A2/B2 to hoses H1/H4 - Manufactured after February 2012 added
	3	4-72 to 4-75	4.5.18 Meter A2/B2 to hoses H1/H4 with satellite - Manufactured after February 2012 added
	3	4-76 to 4-77	4.5.19 Q210 SDS Pipe assembly added
	3	4-78 to 4-101	4.6 Pipe assembly - Manufactured after June 2013 added
	3	4-102 to 4-103	4.7 Q210 Debowser added
	3	4-106 to 4-107	Drawing & Parts list Updated
	3	4-108 to 4-109	4.10.1 SIB valves assembly added
	3	4-110 to 4-111	Drawing & Parts list Updated
	3	4-112 to 4-113	4.10.3 ASCO valve assembly added
	3	4-116 to 4-117	4.10.5 ACV Valve assemblies added
	3	5-1	Section 5 Contents updated
	3	5-6 to 5-7	5.1.2 Q110 TQC-IPD Calculator head assembly added
	3	5-12 to 5-13	5.1.4 Q210 TQC-IPD Calculator head assembly added
	3	5-14 to 5-17	5.2.1 WWC Centerplate assembly added
	3	5-18 to 5-19	5.2.2 TQC-IPD Electronics plate added
	3	5-30 to 5-31	Drawing & Parts list Updated
	3	5-33	Parts list updated
	3	5-38 to 5-39	5.5 TQC-IPD Battery sealing added
	3	5-46 to 5-47	Drawing & Parts list Updated
	3	5-50 to 5-51	5.9.2 TQC-IPD main rail added
	3	5-54 to 5-55	5.10.2 Q210 SDS Junction box added
	3	5-62 to 5-63	5.14 Q210 Calc head with OPT added
	3	6-64 to 5-65	5.14.1 OPT anti fraud Asm added
	3	5-66 to 5-67	5.14.2 OPT head assembly added
	3	5-68 to 5-69	5.14.3 OPT Door with LCD display added
	3	5-70 to 5-71	5.14.4 OPT Door assembly added
	3	5-72 to 5-73	5.14.5 OPT head electronics added
	3	5-74 to 5-75	5.14.6 OPT Head crypto PSU/heater assembly added
	3	5-76 to 5-77	5.14.7 OPT Head mains rail assembly added
	3	5-78 to 5-79	5.14.8 OPT Head crypto VGA power rail added
	3	6-1	Section 6 contents updated
		6-8 to 6-9	6.2.2 Q110 GRVP Assembly - Manufactured after June 2013 added
	3	6-12 to 6-13	6.3.2 Q210 GRVP Assembly - Manufactured after June 2013 added
	3	6-16 to 6-17	6.4.2 Q210 EVCR Open loop assembly - Manufactured after June 2013 added
	3	6-20 to 6-21	6.5.2 Q210 EVCR Self calibration (closed loop) assembly - manufactured after June 2013
	3	6-32 to 6-33	6.9.2 Risbridger shear valve added
	3	6-34 to 6-35	6.9.3 UK Risbridger shear valve added
	3	Back Cover	Back Cover updated
	3	2-32 to 2-33	Q210 Sub Frame Assembly Added
	3	2-34 to 2-35	Filter Immerg Stack Assembly
20/11/2014	4	4-13	4.3.1 EPZ (TQP-RS) Hydraulic Stack, Motors Updated
	4	4-21	4.3.3 TQP-HS (PAS V3) Hydraulic Stack - Manufactured After August 2010, Motors Updated

(Cont.)

Date	Revision	Page	Reason
20/11/2014	4	5-14 to 5-15	5.1.2 TQC Calthead Assembly added
		5-38 to 5-39	5.3.9 TQC Non Recessed Door Assembly added
		5-40 to 5-41	5.3.10 TQC IPD Non Recessed Calculator Door added
		5-42 to 5-43	5.3.11 TQC Estop Non Recessed Calculator Door added
		5-22 to 5-25	5.2.3 TQC Centerplate Assembly added
		5-26 to 5-29	5.2.4 TQC-EST Centerplate Assembly added
		5-30 to 5-33	5.2.6 TQC VGA Centerplate Assembly added
		5-72 to 5-73	5.9.3 TQC Main Rail Assembly added
		5-74 to 5-75	5.9.4 TQC Options Rail Assembly
		5-3	5.1.1 Q110 WWC Calthead Assembly (18) updated
		5-9	5.1.3 Q210 WWC Calthead Assembly (19) updated
		5-13	5.1.4 Q210 TQC-IPD Calthead Assembly (14) updated
		2-19	2.2.1 Frame Assembly (31) 953216 Option added
		2-33	2.3.2 Q210 Submerged Frame Assembly Manufactured After February 2014 (9) 953216 Option added
18/12/2015	5	2-2	add 949543
		2-3	946349 replaced by 957737
		2-9	904133 replaced by 952364
		2-11	943486 replaced by 958034
		2-16	add 949543
		2-19	946349 replaced by 957737
		2-21	904133 replaced by 952364
		2-34	update to assembly
		3-15	add in, 901852-009, 10, 11, 12
		3-15	Add new sub section 3.3.4 Debowser Nozzle, Nozzle assembly part number is 906393
		4-11	901693 replaced by 948807 (update drawing)
		4-23	ADD IN 948971-003
		4-27	OBSOLITE REMOVE 903590
		4-90	add in new ndt q210 submerged
		4-99	add in high flow asco valves, Single flow valve:, - valve asm 957532-001, - valve body 957533, - coil single flow 957535, Double flow valve:, - valve asm 957532-002, - valve body 957534, - coil single flow 957536
		5-2	update to assembly, PRESET CUTOUPS ADDED INTO BOXES
		5-3	948747 replace by 952280
		5-4	update to assembly, PRESET CUTOUPS ADDED INTO BOXES
		5-6	update to assembly, PRESET CUTOUPS ADDED INTO BOXES
		5-22	UPDATE TO CENTERPLATE 29 951222
		5-22	950534 REPLACED BUY 957834 + 957835 VELCRO STRAP
		5-23	943721 replaced by 951222
		5-35	add in 3 push button doors 957387, 957389
		5-35	Add in non recessed calc door asm 955451, 955450, 955449, 955448,954803,954602,954601,954600
		5-53	948320 replace by 957465
		5-91	904133 replaced by 952364
		5-93	905431 replaced by 957881
		6-3	946349 replaced by 957737
		6-3	add in boxer pump 979116
		6-25	901597 replaced by 909674

CONTENTS

1	INTRODUCTION	1-2
1.1	How To Use This Manual	1-2
1.1.1	Drawing Interpretation	1-2
1.2	Product Scope	1-2
1.3	Authorised Technicians	1-3
1.4	Contact Information	1-3
1.5	Health & Safety	1-3
1.5.1	Safety Checklist	1-3
1.5.2	Duties of the Employees	1-3
1.5.3	Hazards	1-4
1.5.4	Warning Signs	1-5
1.5.5	Personal Protective Equipment (PPE)	1-6
1.6	Standards & Certificates	1-7
1.6.1	Dispenser Marking for the ATEX Directive	1-7
1.6.2	Special Conditions for Safe Use	1-8
1.7	MID Dispensers	1-8
2	CLADDING & FRAMEWORK	2-2
2.1	Q110 Assemblies	2-2
2.1.1	Q110 Frame Assembly	2-2
2.1.2	Q110 Submerged Frame Assembly	2-6
2.1.3	Q110 Cladding Assembly	2-8
2.1.4	Q110 Airgap Gland Assembly	2-12
2.2	Q210 Assemblies	2-16
2.2.1	Q210 Frame Assembly	2-16
2.2.2	Q210 Cladding Assembly	2-20
2.2.3	Q210 Airgap Gland Assembly	2-24
2.3	Q210 Submerged Frame Assemblies	2-28
2.3.1	Q210 Submerged Frame Assembly - Manufactured Before January 2014	2-28
2.3.2	Q210 Submerged Frame Assembly - Manufactured After February 2014	2-30
2.3.3	Filter Submerged Stack Assembly	2-32
2.4	Q210 SDS Frame & Cladding	2-34
2.4.1	Q210 SDS Hydraulic Door	2-38
2.5	Lock Assembly	2-40
2.5.1	Lock Assembly - Manufactured Before July 2011	2-40
2.5.2	Lock Assembly - Manufactured After June 2011	2-42
3	HOSES & NOZZLES	3-2
3.1	Nozzle Boot Assembly	3-2
3.2	Hoses	3-6
3.2.1	Hook Hose System - 320cm Long Elaflex	3-6
3.2.2	Hook Hose System - 320cm Long Goodyear	3-7
3.2.3	Hook Hose System - 385cm Long	3-8
3.2.4	Spring Mast System - 424cm Long	3-10
3.2.5	Extra Long Hoses - 550cm Long	3-12
3.3	Nozzles	3-13
3.3.1	Elaflex ZVA2 Nozzles (Non-Secure)	3-13
3.3.2	Elaflex ZVA25 Nozzles (Non-Secure)	3-15
3.3.3	OPW Nozzles	3-15

3.3.4	Debowser Nozzle	3-15
3.4	Nozzle Extras	3-16
3.4.1	Nozzle Covers	3-16
3.4.2	Sleeves	3-17
3.4.3	ZvA2 Product Indication	3-17
3.4.4	ZVA2 Splashguards	3-18
3.4.5	Sleeve Breaks.	3-19
3.4.6	Break Couplings	3-19
4	DISPENSER HYDRAULICS	4-2
4.1	Flexible Pipe Connections	4-2
4.1.1	EPZ (TQR-RS) Flexible Pipe Connections - Manufactured Before March 2012.	4-2
4.1.2	EPZ (TQP-RS) Flexible Pipe Connections - Manufactured After February 2012.	4-4
4.1.3	PAS V3 (TQP-HS) Flexible Pipe Connections	4-6
4.1.4	Submerged Flexible Pipe Connections	4-8
4.2	Filter Assembly	4-10
4.3	Hydraulic Stack Assemblies.	4-12
4.3.1	EPZ (TQP-RS) Hydraulic Stack	4-12
4.3.2	PAS V3 (TQP-HS) Hydraulic Stack - Manufactured Before September 2010	4-16
4.3.3	TQP-HS (PAS V3) Hydraulic stack - Manufactured After August 2010	4-20
4.4	Hand Crank Assembly	4-24
4.5	Pipe Assemblies - Manufactured Before July 2013	4-26
4.5.1	Meter A2 to Hose H1 and Meter B1 Hose H4 (Standard).	4-26
4.5.2	Meter A2 to Hose H1 and Meter B1 to Hose H4 (With Valve).	4-28
4.5.3	Meter A2 Hose H1 and Meter B1 to Hose H4 (With VR).	4-30
4.5.4	Meter A2 to Hose H1 and Meter B1 to Hose H4 (With Satellite) - Manufactured Before March 2012.	4-32
4.5.5	Meter A2 to Hose H1 and Meter B1 to Hose H4 (With Satellite) - Manufactured after February 2012	4-34
4.5.6	Meter A2 to Hose H1 (PAS V3 80LPM).	4-36
4.5.7	Meter B2 to Hose H4.	4-38
4.5.8	Meters A2/B2 to Hose H1	4-40
4.5.9	Meters A2/B2 to Hose H1 - Submerged	4-42
4.5.10	Meters A2/B2 to Hose H1 with Satellite - Manufactured Before December 2010.	4-44
4.5.11	Meters A2/B2 to Hose H1 with Satellite - Manufactured After November 2010.	4-46
4.5.12	Meters A2/B2 to Hose H1 With Satellite - Manufactured After February 2012.	4-48
4.5.13	Meters A2/B2 to Hose H1 With Satellite - Submerged.	4-50
4.5.14	Meters A2/B2 to Hose H1/H4 - Manufactured Before March 2012.	4-52
4.5.15	Meters A2/B2 to Hoses H1/H4 - Manufactured After February 2012.	4-54
4.5.16	Meters A2/B2 to Hose H1/H4 with Satellite - Manufactured Before December 2010.	4-56
4.5.17	Meters A2/b2 to Hoses H1/H4 With Satellite - Manufactured After November 2010.	4-60
4.5.18	Meters A2/B2 to Hoses H1/H4 With Satellite - Manufactured After February 2012.	4-64

4.5.19	Q210 SDS Pipe Assembly	4-66
4.6	Pipe Assemblies - Manufactured After June 2013	4-68
4.6.1	Meter A2 to Hose H1 and Meter B1 to Hose H4 (Standard)	4-68
4.6.2	Meter to A2 Hose H1 and Meter B1 to Hose H4 (With VR)	4-70
4.6.3	Meter A2 to Hose H1 and Meter B1 to Hose H4 (With Satellite)	4-72
4.6.4	Meter A2 to Hose H1 (PASV3 80LPM)	4-74
4.6.5	Meters A2/B2 to Hose H1	4-76
4.6.6	Meters A2/B2 to Hose H1 - Submerged	4-78
4.6.7	Meters A2/B2 to Hose H1 With Satellite	4-80
4.6.8	Meters A2/B2 to Hose H1 With Satellite - Submerged	4-82
4.6.9	Meters A2/B2 to Hoses H1/H4	4-84
4.6.10	Meters A2/B2 to Hoses H1/H4 With Satellite	4-86
4.7	Q210 Debowser	4-88
4.8	Submerged Hydraulics	4-90
4.9	Pipe Nut Assemblies	4-92
4.10	Valve & Fittings Assemblies	4-94
4.10.1	Sib Valve Assemblies	4-94
4.10.2	Danfoss Valve Assemblies	4-96
4.10.3	ASCO Valve Assemblies	4-98
4.10.4	High Flow ASCO Valves	4-100
4.10.5	Inline Valve Assemblies	4-102
4.10.6	ACV Valve Assemblies	4-104
4.11	Air Vent Pipe Assemblies	4-106
5	DISPENSER ELECTRONICS	5-2
5.1	Calculator Head Assemblies	5-2
5.1.1	Q110 WWC Calculator Head Assembly	5-2
5.1.2	Q110 TQC-IPD Calculator Head Assembly	5-6
5.1.3	Q210 WWC Calculator Head Assembly	5-8
5.1.4	Q210 TQC-IPD Calculator Head Assembly	5-12
5.1.5	Q210 TQC Calculator Head Assembly	5-14
5.2	Centreplate Assemblies	5-16
5.2.1	WWC Centreplate	5-16
5.2.2	TQC-IPD Electronics Plate	5-20
5.2.3	TQC Centre Plate Assembly	5-22
5.2.4	TQC-EST Centre Plate assembly	5-26
5.2.5	TQC-EST VGA Centre Plate assembly	5-30
5.3	Calculator Door Assemblies	5-34
5.3.1	Blank Door	5-34
5.3.2	Standard Door with LCD Display & Programming Switch Magnet	5-36
5.3.3	Standard Door with Illuminated Product Indication	5-38
5.3.4	Standard Door with Electromechanical Totalisers	5-40
5.3.5	Standard Door with Emergency Push Button	5-42
5.3.6	TQC-IPD Door	5-44
5.3.7	TQC-IPD Door with Illuminated Product Indication	5-46
5.3.8	TQC-IPD Door with Electromechanical Totalisers	5-48
5.3.9	Q110 TQC 664 Non-Recess Calculator Door Assembly	5-50
5.3.10	Q110 TQC 775 Non-Recess Calculator Door Assembly	5-52
5.3.11	Q110 WWC 664 Non-Recess Calculator Door Assembly	5-54
5.3.12	Q210 TQC Non-Recess Calculator Door Assembly	5-56
5.3.13	Q210 TQC IPD Non-Recess Calculator Door Assembly	5-58
5.3.14	Q210 TQC Emergency Stop Non-Recess Calculator Door Assembly	5-60
5.4	WWC Centreplate Support Bracket	5-62
5.5	TQC-IPD Battery Sealing	5-64

5.6	Capacitor Box Assemblies	5-66
5.6.1	Q110 Capacitor Box Assembly	5-66
5.6.2	Q210 Capacitor Box Assembly	5-68
5.7	Pulser Sealing Box Assembly	5-70
5.8	Keypad Assembly	5-72
5.9	Rail Assemblies	5-74
5.9.1	WWC Mains Rail	5-74
5.9.2	TQC-IPD Mains Rail	5-76
5.9.3	TQC Mains Rail Assembly	5-78
5.9.4	TQC Options Rail Assembly	5-80
5.10	Junction Box Assemblies	5-82
5.10.1	Mains, Comms or Mini Master Junction Box	5-84
5.10.2	Q210 SDS Junction Box	5-86
5.11	Mechanical Totalisers	5-88
5.12	Protection Panel Push Button Assembly	5-88
5.13	Anti-Fraud	5-90
5.14	Q210 Calculator Head with OPT	5-92
5.14.1	OPT Anti Fraud Assembly	5-94
5.14.2	OPT Head Assembly	5-96
5.14.3	OPT Door with LCD Display	5-98
5.14.4	OPT Door Assembly	5-100
5.14.5	OPT Head Electronics	5-102
5.14.6	OPT Head Crypto PSU/Heater Assembly	5-104
5.14.7	OPT Head Mains Rail	5-106
5.14.8	OPT Head Crypto VGA Power Rail	5-108
6	VAPOUR RECOVERY	6-2
6.1	VR Pump & Motor Assembly	6-2
6.2	VR Boxer Pump	6-4
6.3	VFM Assembly	6-6
6.4	Q110 GRVP Assemblies	6-8
6.4.1	Q110 GRVP Assembly - Manufactured Before July 2013	6-8
6.4.2	Q110 GRVP Assembly - Manufactured After June 2013	6-10
6.5	Q210 GRVP Assembly	6-12
6.5.1	Q210 GRVP Assembly - Manufactured Before July 2013	6-12
6.5.2	Q210 GRVP Assembly - Manufactured After June 2013	6-14
6.6	Q210 ECVR Open Loop Assembly	6-16
6.6.1	Q210 ECVR Open Loop Assembly - Manufactured Before July 2013	6-16
6.6.2	Q210 ECVR Open Loop Assembly - Manufactured After June 2013	6-18
6.7	Q210 EVCR Self Calibration System (Closed Loop) Assembly	6-20
6.7.1	Q210 EVCR Self Calibration System (Closed Loop) Assembly - Manufactured Before July 2013	6-20
6.7.2	Q210 EVCR Self Calibration System (Closed Loop) Assembly - Manufactured After June 2013	6-22
6.8	VFM Assemblies	6-24
6.8.1	VFM Assembly - Manufactured Before November 2010	6-24
6.8.2	VFM Assembly - Manufactured After October 2010	6-26
6.9	Standard Vapour Return Line	6-28
6.10	Vapour Return Line With Shear Valve	6-30
6.11	VR Shear Valve Assemblies	6-32
6.11.1	Ethanol Shear Valve	6-32
6.11.2	Risbridger Shear Valve	6-34
6.11.3	UK Risbridger Shear Valve	6-36

CONTENTS

1	INTRODUCTION	1-2
1.1	How To Use This Manual	1-2
1.1.1	Drawing Interpretation	1-2
1.2	Product Scope	1-2
1.3	Authorised Technicians	1-3
1.4	Contact Information	1-3
1.5	Health & Safety	1-3
1.5.1	Safety Checklist	1-3
1.5.2	Duties of the Employees	1-3
1.5.3	Hazards	1-4
1.5.4	Warning Signs	1-5
1.5.5	Personal Protective Equipment (PPE)	1-6
1.6	Standards & Certificates	1-7
1.6.1	Dispenser Marking for the ATEX Directive	1-7
1.6.2	Special Conditions for Safe Use	1-8
1.7	MID Dispensers	1-8

1 INTRODUCTION

1.1 How To Use This Manual

It is recommended that all relevant persons familiarise themselves with the contents of this manual prior to carrying out any operations or procedures.

This manual is divided into sections which are described as follows: -

Section 1 - Introduction

This section contains information on how to use the manual, the scope of equipment covered, recommendations on qualified technicians and contact information. It also includes relevant health and safety information required for the safe practice of common maintenance procedures.

Section 2 - Cladding & Framework

This section contains the part identification list for the dispenser cladding and framework.

Section 3 - Hose Management

This section contains the part identification list for the dispenser hose management.

Section 4 - Dispenser Hydraulics

This section contains the part identification list for the dispenser hydraulics.

Section 5 - Dispenser Electronics

This section contains the part identification list for the dispenser electronics.

Section 6 - Vapour Recovery

This section contains the part identification list for the dispenser vapour recovery system.

1.1.1 DRAWING INTERPRETATION

This Parts Manual is designed to show the maximum number of options and configurations using the minimum number of drawings. Therefore in many cases, the drawings will not correspond to a particular dispenser configuration and the engineer must take care to identify the required arrangement on the drawing.

For clarity, the following guidelines have been applied to the Parts Manuals:-

- Item quantities are not shown on the drawings or parts lists.
- If there are multiple sub-assemblies displayed on the same drawing then only one instance is exploded.
- Where possible, duplication has been avoided.

1.2 Product Scope

The equipment and models covered by the contents of this manual are: -

The Quantum 110 & 210 range of fuel dispensers, with the exception of the LPG version. For information on Quantum LPG dispensers refer to the relevant LPG manual as provided by Tokheim.

All dispensers in the range use the same standard sub-assemblies and offer a wide range of configurations and include provision for options such as integrated payment terminal, vapour recovery etc.

1.3 Authorised Technicians

Only qualified technicians familiar with the contents of this manual should carry out the procedures contained herein.



WARNING : ANY ATTEMPTS TO CARRY OUT THE PROCEDURES OF THIS MANUAL, BY UNQUALIFIED OR UNAUTHORISED PERSONS, MAY RESULT IN SERIOUS INJURY OR LOSS OF LIFE.

IMPORTANT : THIS MANUAL IS NOT INTENDED TO REPLACE THE SERVICES OF A FULLY QUALIFIED TECHNICIAN.

1.4 Contact Information

For information relating to the contents of this manual please contact: -

Technical Author
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Dundee, Scotland
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1.5 Health & Safety

1.5.1 SAFETY CHECKLIST

- It is obligatory that this checklist be fully complied with during all work at the petrol station, particularly construction or repair work.
- It is the duty of the contractor to ensure that all workers employed by him obey each and all of the relevant laws, directives and other regulations.

Areas where special caution is required

- The insides of tanks, tubes, dome shafts, filling shafts, change over shafts, vessels and dispensers.
- All areas in which fuel vapour that is heavier than air can accumulate, e.g. fuel separator, draining shafts, low located rooms, cellars, excavations, pipe trenches etc.
- The areas around the outlets of tank ventilation pipes, especially during the filling phase.
- All areas near dispensers, tanker lorries and other vehicles while they are being tanked up, and particularly when there is a lack of wind.
- A radius of 1.0 metres around petrol carrying pipes, as well as pipes that are not vapour free.
- Silt traps.

1.5.2 DUTIES OF THE EMPLOYEES

- To ensure optimal accident prevention in our company, in addition to general rules applying to worker's protection, it is necessary to take into account all the national protection of workers legislation and to actively support all measures which enhance safety standards.
- It is an employee's duty to follow all company directives regarding the prevention of accidents, unless such directives can be proved to be unfounded.
- Employees should not follow any instructions that go against safety standards.

- Employees are only permitted to use equipment for its original purpose, and this is defined by the company alone.
- If an employee detects equipment that is deficient in terms of safety, he shall eliminate this deficiency immediately. If such safety rectification is not part of his defined area of activities, or if his knowledge is insufficient to carry out such work he must immediately inform his superior about the detected safety deficiency.

This equally applies to:

- 1) **Work Materials** which have not been correctly packed or correctly marked in order to meet safety requirements.
- 2) **Work Methods** or work processes which have not been correctly coordinated or controlled in order to meet safety requirements.
- 3) **Where dangerous activities are carried out by several persons**, the need for a permanent faultless communication between them in order to avoid dangerous events shall require the appointing of one person in order to carry out overall supervision.

1.5.3 HAZARDS

Prior to starting work, the dispenser must be isolated (i.e. entirely disconnected from the mains supply) and the mains supply switch locked in the OFF position. The submerged pump (if applicable) and control signals from the dispenser must also be isolated. This is done to provide safety for the technician. As a further precaution, switch off the mains supply in the service station shop and place a clear notice on the switch to avoid it being turned on again inadvertently.



WARNING : THE CONNECTION AND DISCONNECTION OF ELECTRICAL CONNECTIONS MAY ONLY BE CARRIED OUT BY QUALIFIED PERSONNEL AUTHORISED FOR SUCH ACTIVITIES. WORK IN DANGEROUS AREAS MUST BE MADE SAFE BY OBSERVING ALL THE NATIONAL SAFETY REQUIREMENTS IN FORCE.

It is not permitted to put a fuel dispenser into operation before an authorised official has inspected it and released it. This depends upon the national regulations in force.

Components filled with fuel must be drained in such a way to conform to local and national environmental regulations.

Dismantled packaging and cladding must be stored in such a way as to avoid damage to components or injuries to persons. Covers that can be opened, such as the calculator housing, should be handled with care. Ensure that the retaining catch is placed in the correct position to prevent the cover falling onto the head of the service engineer or other persons in the area.

At unattended service stations, every end-user should be able to read the User Instructions. They should be visible on a notice board or integrated into the DIT and should be sufficiently well lit so that they can be read at night.

At unattended service stations break away couplings must always be used to reduce the danger caused by a motorist driving off with the nozzle still in the tank.

IMPORTANT : A HIGHLY VISIBLE CORDON MUST BE PLACED AROUND THE DISPENSER THAT IS BEING SERVICED.

1.5.4 WARNING SIGNS

The following warning signs are fitted as standard, on the dispenser, however they may vary according to individual country requirements or customer specifications.

SIGN	MEANING	POSITION
	Do not use mobile phones	Visible from both sides of dispenser
	No naked flames	Visible from both sides of dispenser
	Do not spill fuel on the ground	Visible from both sides of dispenser
	Smoking forbidden	Visible from both sides of dispenser
	Stop vehicle engine	Visible from both sides of dispenser
	Trucks only	At Diesel high speed dispensers near the nozzle boots
	Do not drive away with nozzle in tank	Visible from both sides of dispenser
For more information see User Manual available at this station		Next to User Instructions near the nozzle boot

1.5.5 PERSONAL PROTECTIVE EQUIPMENT (PPE)**PROTECTIVE CLOTHING**

The following clothing should be worn **at all times** during installation and maintenance procedures:-

- Protective helmet.
- Protective shoes (conductive).
- Protective gloves and/or protective hand cream.
- Anti static clothing.
- Eye protection.

SAFETY EQUIPMENT FOR WORKING IN HAZARDOUS AREAS

The following safety equipment is required for working in hazardous areas:-

- Only spark free tools are permitted for work on dispensers.
- Work on bearings is only permitted using the standard workshop tools authorised for this kind of work.
- The use of all electrical tools is strictly prohibited.
- Only the use of explosion protected work lights is permitted.
- The use of telecommunications equipment in hazardous areas is strictly prohibited.

SAFETY INSTRUCTIONS

The following safety instructions must be adhered to during installation and maintenance procedures:-

- Inhalation of petrol vapour must be avoided. Suitable precautions must be taken and where necessary respirators used.
- Avoid direct contact of fuel with the skin.
- Use suitable protective clothing, protective gloves and/or protective hand cream.
- Avoid fuel spills.
- No smoking, no naked flames are permitted.
- Long hair and ties can get caught in moving parts. Hair must be suitably covered.

1.6 Standards & Certificates

This dispenser is constructed in conformity with the requirements of all the applicable European Directives (Machinery 2006/42/EC; EMC 89/336/EEC; ATEX 94/9/EC).

The components used within the dispenser, including connection facilities, are selected in accordance with the European Standard EN BS 60079-0 (Electrical Apparatus for explosive gas atmospheres), and the supplementary Standards listed therein.

Diesel dispensers do not create an explosive hazard, but due to the probability of these being in close proximity to gasoline dispensers, the same construction rules are applicable.

The dispenser is certified by SIRA as suitable for use in Potentially Explosive Atmospheres Directive 94/9/EC, and marked to be in accordance with the European Dispenser Construction Standard EN 13617-1.

This dispenser is also certified to OIML International Recommendations R117 and R118. Certificate Numbers R117/1995-NL-01.04 & 08.

Dispensers fitted with a Stage II Vapour Recovery system, are in conformity with the requirements of European Directive 2009/126/EC.

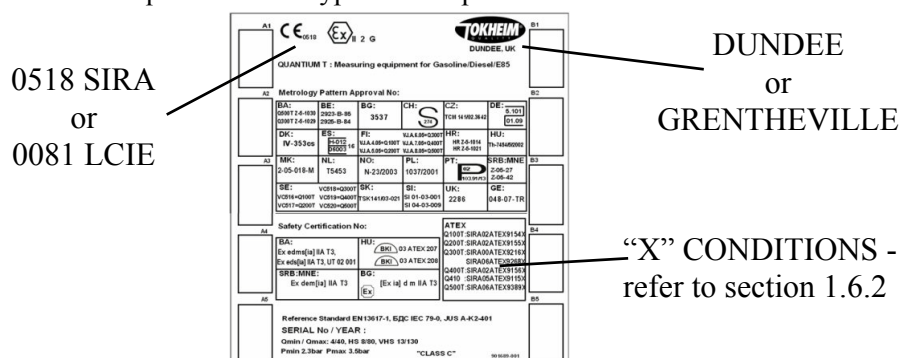
The production and end test is controlled through the Quality Assurance systems within the Tokheim Manufacturing Centres, and has received Quality Assurance Notification from a Notified Body.

No modification to the dispenser may be performed without express permission from Tokheim and must always use original components or Tokheim retrofit kits. Failure to comply with the above will invalidate product conformance with the relevant European Directives and Tokheim will no longer accept product liability.

1.6.1 DISPENSER MARKING FOR THE ATEX DIRECTIVE

The dispenser is labelled by Tokheim in accordance with the requirements of the ATEX Directive. This labelling includes:-

- The CE mark (CE conformity)
- The specific explosion protection mark, together with the mark indicating the equipment group and category; and, relating to equipment group II, the letter "G" (concerning explosive atmospheres caused by gases and vapours)
- The "Tokheim" name or logo and manufacturing location
- The dispenser type and serial number including the year of production
- Labels can either be plastic stickers or metal plates and may vary according to national requirements. A typical example of a label follows:-



1.6.2 SPECIAL CONDITIONS FOR SAFE USE

Certain models include Special Conditions for Safe Use which must be observed prior to putting the dispensers into operation. Failure to do so will invalidate the ATEX certification of the dispenser. These models can be identified by an X at the end of the certificate number as shown on the dispenser typeplate.

The Special Conditions for Safe Use are identified in the ATEX EC Type-Examination Certificates and are repeated below:-

- Where a dispenser is supplied without hoses and/or nozzles, they shall be fitted in accordance with:
- Hoses: EN1360 or EN13483
- Nozzles: EN13012
- When used for ethanol (blend) dispensing, the fuel specification must be less than or equal to 85% ethanol, with minimum water content.
- The metering pumps and dispensers are designed for use in open air. Where a metering pump or dispenser is positioned within a building, incorporated into an enclosure, or integrated into a larger piece of equipment, additional measures shall be taken to ensure that the zoning diagrams illustrated in the schedule drawings are not compromised.

1.7 MID Dispensers

From mid 2007, Tokheim dispensers may be shipped from European factories in accordance with the Metrological Instruments Directive (MID). Such dispensers are calibrated and the relevant seals stamped in the factory so that the dispensers are fit for trade immediately upon installation without the need for a local Weights and Measures inspector to put them into use.

The dispenser is shipped with its own “MID datasheet” which documents the serial numbers of the prime components fitted in the dispenser. This datasheet must remain with the dispenser. Similarly dispensers are shipped with a Declaration of Conformance to the MID. This document must not be lost as it is an essential document to allow the continued use of the dispenser.

MID dispensers can be identified by the typeplate which contains a reference to the MID certificate number as shown:-

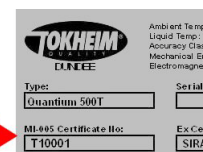
CHECKING THE SEALS

It is the responsibility of the Installer to check that all required seals are present and correct prior to putting the dispenser into use. This includes seals on the pumping unit, meter, pulser and calculator. **Under no circumstances must any seals be disturbed or broken during installation.**

METER CALIBRATION

A calibration check should be performed during Commissioning (refer to section 6).

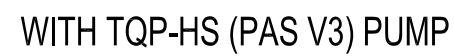
If a seal is damaged or missing, or if the calibration is outwith legal tolerances or in the unlikely event that any repair is required to a pumping unit, meter, pulser or calculator during installation, the factory MID verification is invalidated and a local National verification will need to be performed before the dispenser can be used.



CONTENTS

2	CLADDING & FRAMEWORK	2-2
2.1	Q110 Assemblies	2-2
2.1.1	Q110 Frame Assembly	2-2
2.1.2	Q110 Submerged Frame Assembly	2-6
2.1.3	Q110 Cladding Assembly	2-8
2.1.4	Q110 Airgap Gland Assembly	2-12
2.2	Q210 Assemblies	2-16
2.2.1	Q210 Frame Assembly	2-16
2.2.2	Q210 Cladding Assembly	2-20
2.2.3	Q210 Airgap Gland Assembly	2-24
2.3	Q210 Submerged Frame Assemblies	2-28
2.3.1	Q210 Submerged Frame Assembly - Manufactured Before January 2014	2-28
2.3.2	Q210 Submerged Frame Assembly - Manufactured After February 2014	2-30
2.3.3	Filter Submerged Stack Assembly	2-32
2.4	Q210 SDS Frame & Cladding	2-34
2.4.1	Q210 SDS Hydraulic Door	2-38
2.5	Lock Assembly	2-40
2.5.1	Lock Assembly - Manufactured Before July 2011	2-40
2.5.2	Lock Assembly - Manufactured After June 2011	2-42

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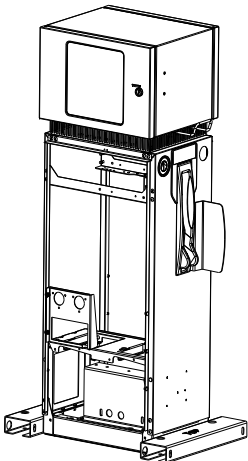
2 CLADDING & FRAMEWORK

2.1 Q110 Assemblies

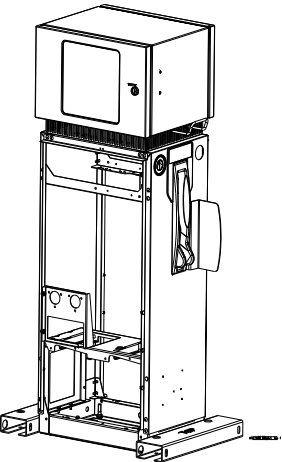
2.1.1 Q110 FRAME ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M8	Rondelle PI M8	900008-013	
2	Washer PI M10	Rondelle PI M10	900008-014	
3	Washer Serr Lock Ext M12	Rondelle a Dents DEC M12	900009-003	
4	Nut Hex M10	Ecrou H M10	900011-004	
5	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
6	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
7	Screw HFHSL M6x10	Vis Hex Br Autobl M6x10	900016-003	
8	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-024	
9	Rivet Blind Domed 6.5x14.8	Rivet Pop Bomb 6.5x14.8	900025-005	
10	Screw HFHTF M6x10	Vis Hex. Taraudeuse M6x10	900708-001	
11	Screw HFHTF M6x16	Vis Hex. Taraudeuse M6x16	900708-003	
12	Plug HEYCO D6.5	Bouchon HEYCO D6.5	902330-002	
13	Panel Assembly	Habillage Asm	-	Refer to Q110 Cladding Assembly
14	PASV3 Bracket	Support PASV3	903530	Refer to TQP-HS (PAS V3) Hyd Stk
15	Screw Round Head Square Bolt M6x16	VisTete Bombe av Collet Carre M6x16	903709-001	
16	Screw Round Head Square Bolt M10x50	Vis Tete Bombe av Collet Carre M10x50	903709-002	
17	Meter Bracket - L Bracket	Traverse Support Mesureur	948396	
18	PASV3 - L Support	Traverse Support PASV3	903723	
19	Hook - Retaining Hose	Crochet Flexible	904127	
20	Hook Retaining Hose - Strengthener	Renfort Crochet Flexible	904134	
21	Leak Plate	Plaque Récup Egouttures	904188	
22	Panel Assembly	Habillage Asm	-	Refer to Q110 Cladding Assembly
23	VR Support Bracket	RV Support Traverse	957737	Refer to VR Pump & Motor Asm

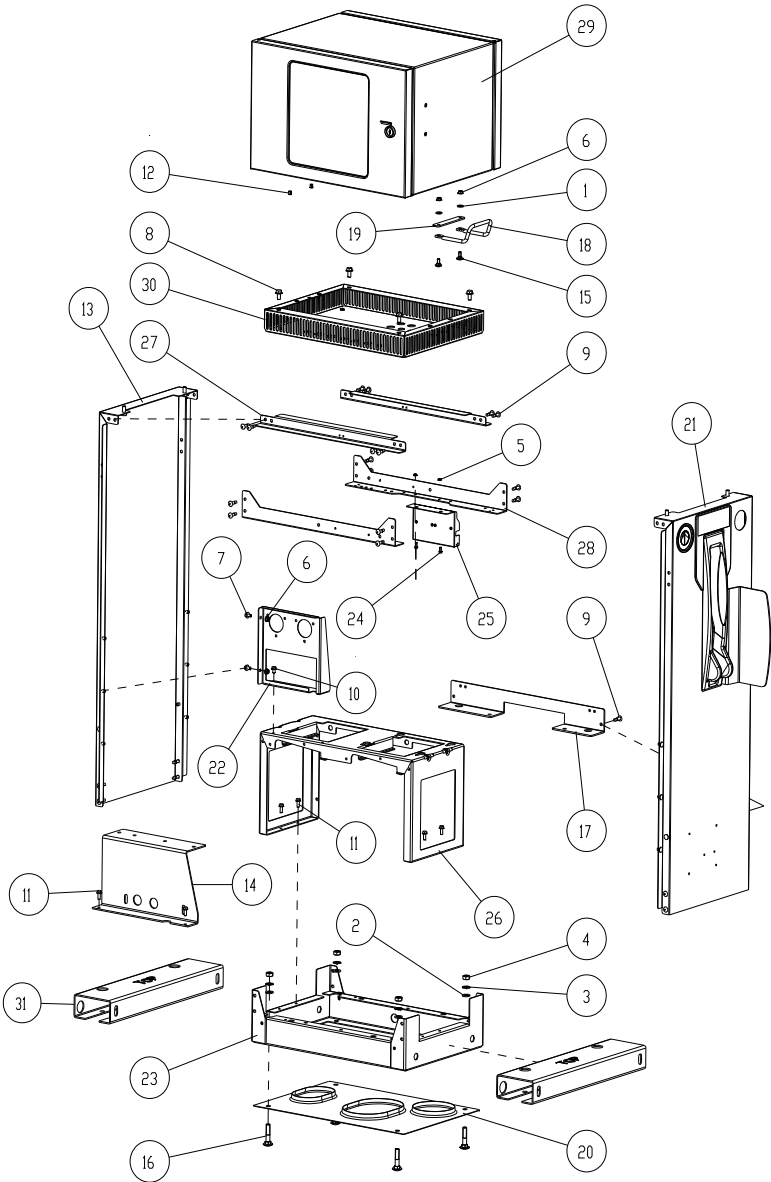
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WITH TQP-HS (PAS V3) PUMP

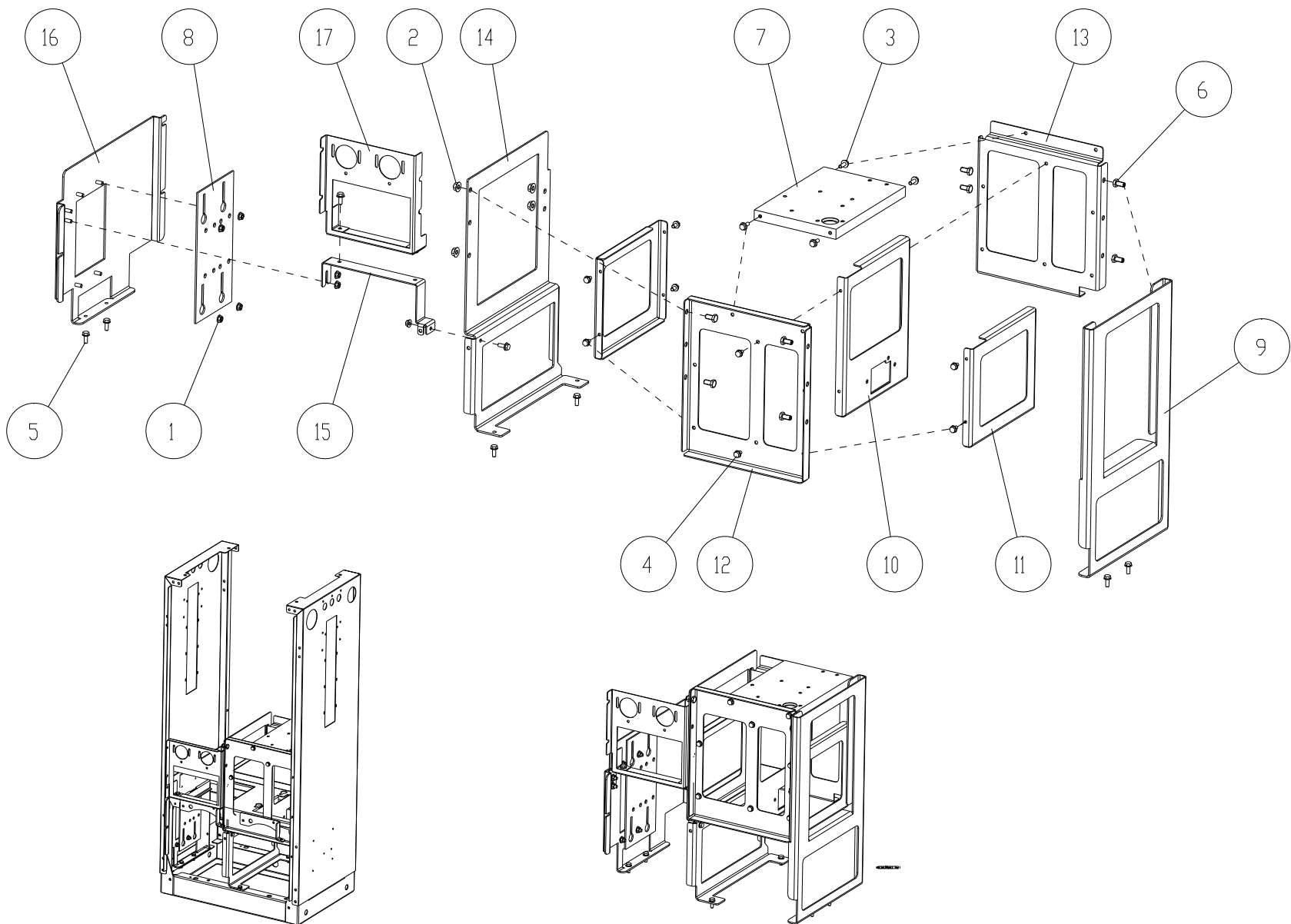


WITH TQP-RS (EPZ) PUMP



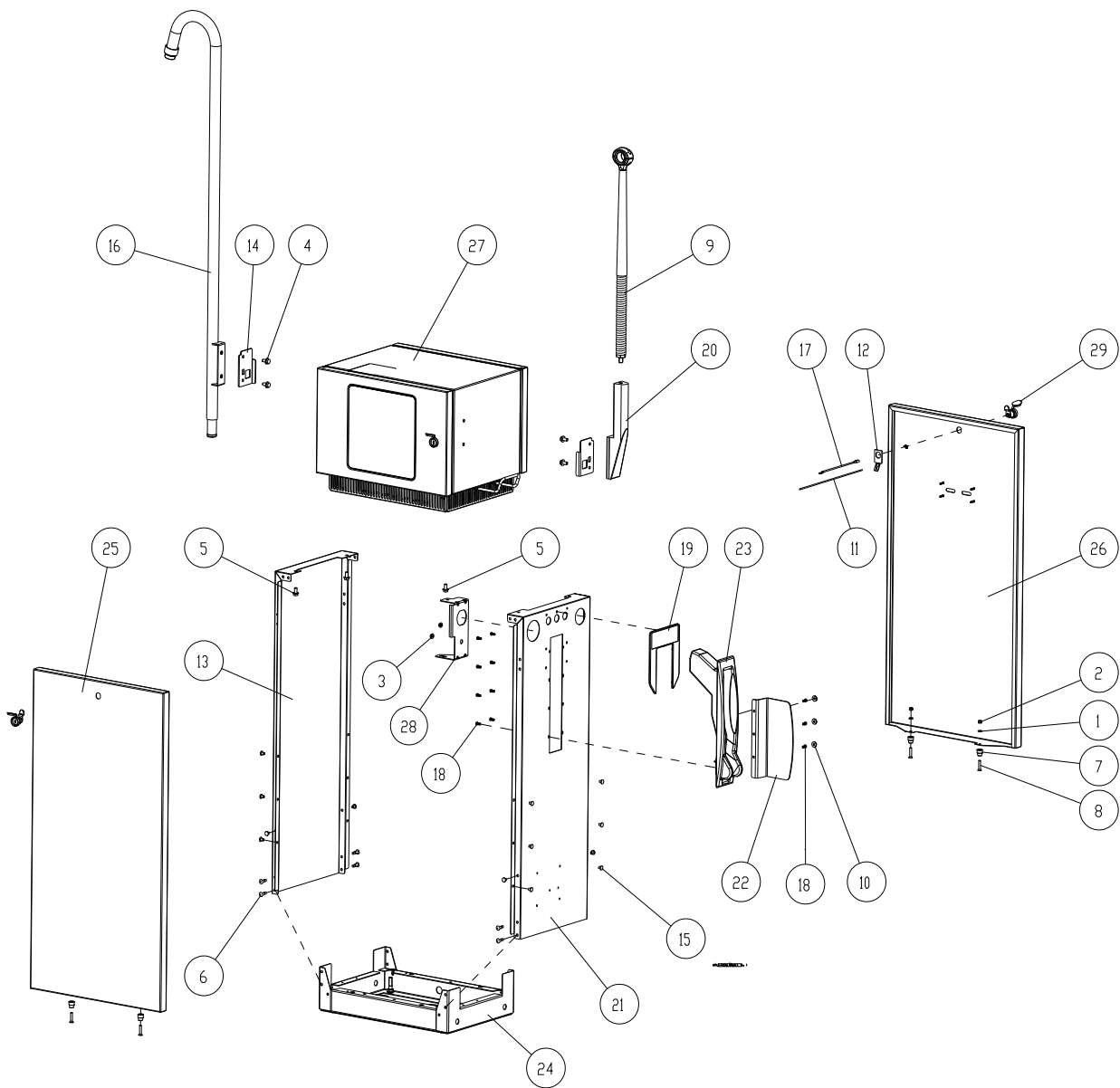
2.1.1 Q110 FRAME ASSEMBLY (CONT.)

Item No	Description	Désignation Français	Part No	Comments
24	Base Folded	Base Folded	953113	
25	Screw Hex Head Combi M4x10	Vis Hex Head Combi M4x10	946630	
26	Bracket for Mechanical Totalizers	Support Totalisateurs Mecanique	946633	Refer to Mechanical Totalisers Asm
27	Pump Bracket	Pump Bracket	946818	Refer to TQP-RS (EPZ) Hyd Stk
28	Q110 Rain Gutter ALU	Gouttière de Pluie Q110 ALU	951942	
29	Q110 Calculator Head Assembly	Tete Calculateur Q110 Asm	-	Refer to Q110 Calc Head Assembly
30	Q110 Airgap Assembly SST	Airgap Asm SST Q110	-	Refer to Q110 Airgap Gland Asm
31	MSat lifting bracket	Tube levage MSat	949534	



2.1.2 Q110 SUBMERGED FRAME ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
2	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
3	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
4	Screw HFHTF M6x10	Vis Hex. Taraudeuse M6x10	900708-001	
5	Screw HFHTF M6x16	Vis Hex. Taraudeuse M6x16	900708-003	
6	Screw Nylon Shear M8 x 16	Vis nylon cisaillement M8 x 16	941002	
7	Adaptor Block	Bloc d'Adapteur	942461	Refer to Submerged Hydraulics
8	VR 0.25kW Motor Mounting	VR 0.25kW Motor Mounting	947823	
9	Bracket Submerged End Position	Bracket Submerged End Position	948736	
10	Bracket Lateral Submerged Filter	Bracket Lateral Submerged Filter	948737	
11	Bracket Lateral Submerged End	Bracket Lateral Submerged End	948738	
12	Bracket Submerged Side A	Supp Imm Cote A	948739	
13	Bracket Submerged Side B	Supp Imm Cote B	948740	
14	Bracket Submerged Lower	Bracket Submerged Lower	948741	
15	Bracket VR Support Submerged	Bracket VR Support Submerged	948755	
16	Bracket VR Motor Submerged	Bracket VR Motor Submerged	948757	
17	110/210 VR Bracket Submerged	110/210 VR Bracket Submerged	948920	

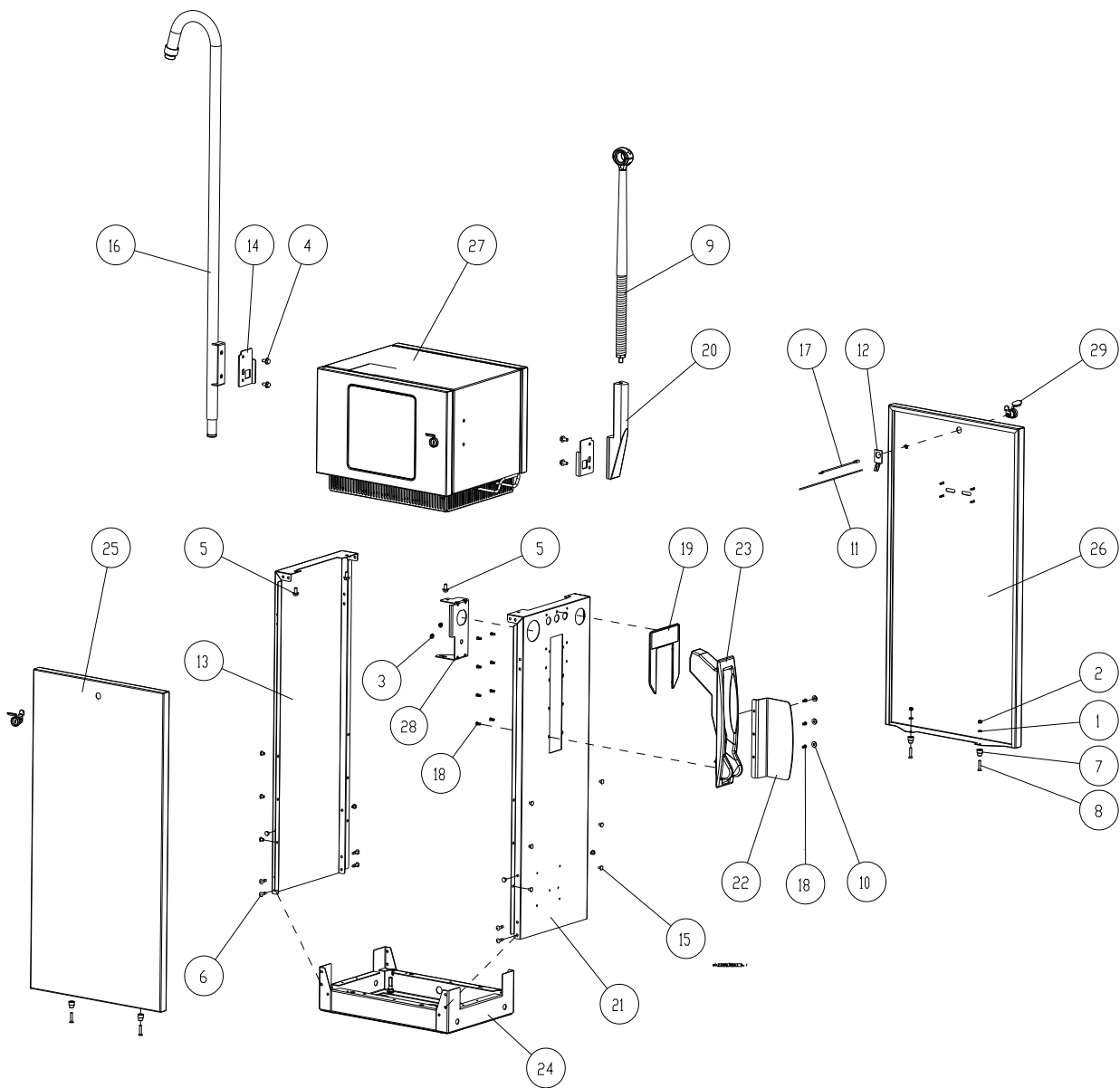


2.1.3 Q110 CLADDING ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M6	Rondelle PI M6	900008-002	
2	Nut Hex Prev Torque M6	Ecrou Frein M6	900012-003	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
5	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-024	
6	Rivet Blind Domed 6.5x14.8	Rivet Pop Bomb 6.5x14.8	900025-005	
7	Adjustment Pin	Broche de Reglage	900403	
8	Screw HSC M6x30	Vis FHC M6x30	900643-014	
9	Spring Mast	Canne Flexible	900876	
10	Snap Cap White M6	Chapeau Vis Blanc M6	903192-001	
11	Rope - Hydraulic Door	Corde Maintien Porte	903266	
12	Latch - Cord (Lock)	Butee de Bequille (Serrure)	903276	
13	Panel Blind	Habillage Aveugle	903510	Stainless Steel Additional Corrosion Protection Aluminium Used with Grommet 902331-004
	Panel Blind SSSt	Habillage Aveugle Inox	904374	
	Panel Blind ACP	Habillage Aveugle ACP	948472	
	Panel Blind ALU	Habillage Aveugle ALU	951397	
	Panel Blind SSSt Temp.Comp.	Habillage Aveugle Inox Temp. Comp.	950394	
14	Spring Mast Bracket - Strengtheners	Renfort Canne Flexible	952364	
15	Plug KAPSTO Type GPN 350 D6.9	Bouchon KAPSTO Type GPN 350 D6.9	904414-002	
16	Rigid Mast Welded	Canne Rigide Soudée	954004	
17	Earth Cable for OPT Dial L=200	Câble Masse Port. OPT L=200	905930-003	
18	Screw Poly 30 Posi Pan Di 5x12	Vis Poly 30 Posi Pan Dia 5x12	940787-001	
19	Narrow Noz. Boot (NNB) Protection Panel	Protection Repose Buse (NNB)	942605	Refer to Protection Panel Push Button
20	Support Spring Mast Machined	Support Canne Flexible	942862	
21	Panel Narrow Nozzle Boot (NNB)	Habillage NNB	943915	Stainless Steel Additional Corrosion Protection Aluminium
	Panel NNB SSSt	Habillage NNB Inox	943487	
	Panel NNB ACP	Habillage NNB ACP	948479	
	Panel NNB ALU	Habillage NNB ALU	951400	

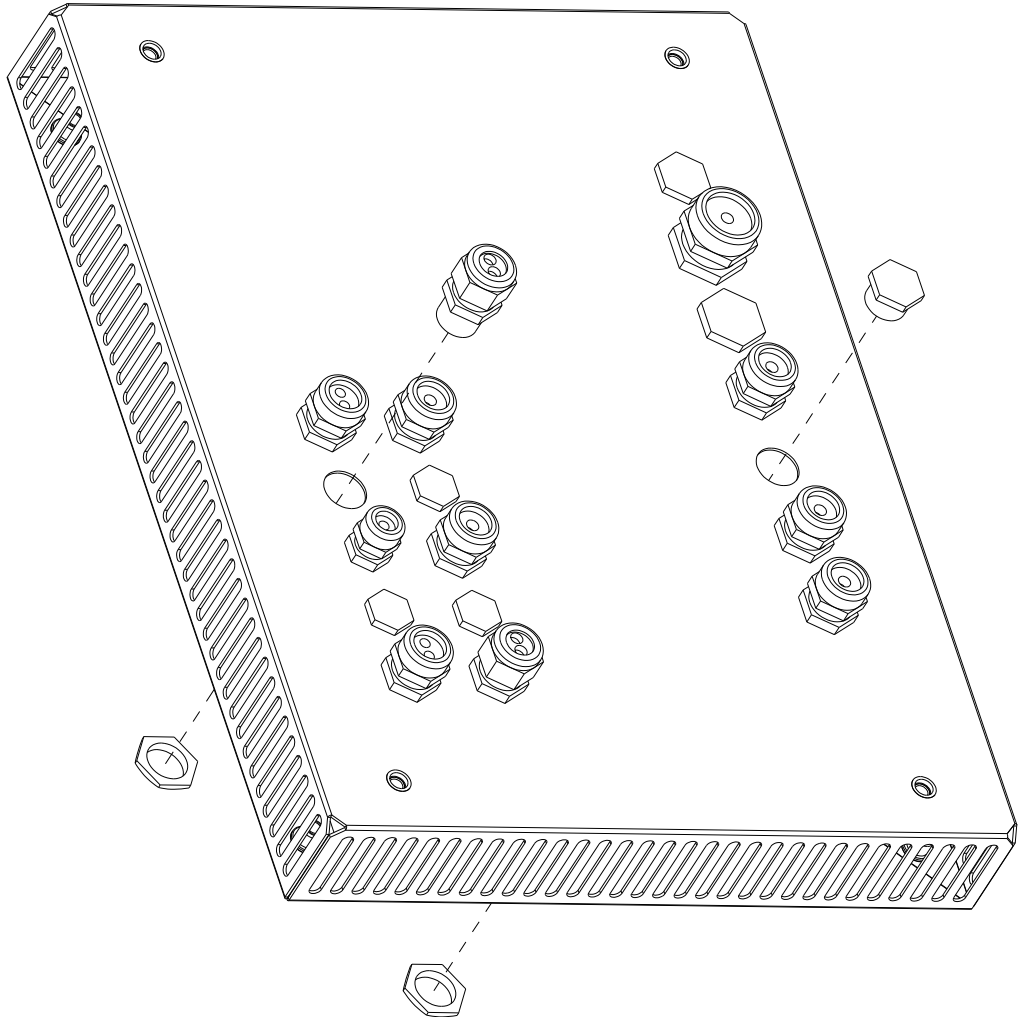
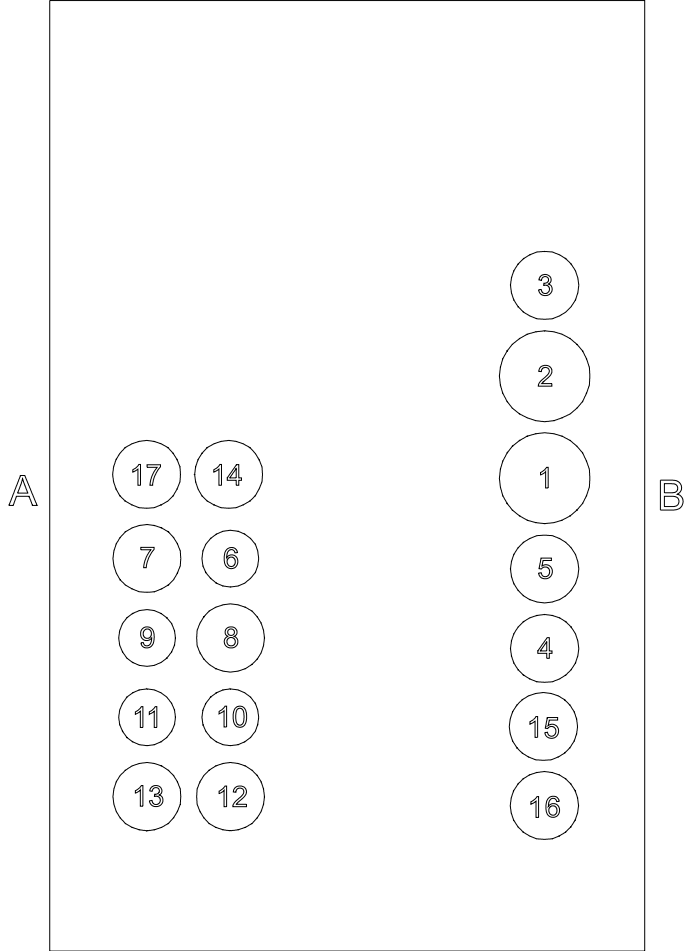
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2.1.3 Q110 CLADDING ASSEMBLY (CONT.)

Item No	Description	Désignation Français	Part No	Comments
21 (Cont.)	Panel NNB & TP	Habillage NNB & TP	958034	Type Plate
	Panel NNB & TP SSt	Habillage NNB & TP SSt	943489	Stainless Steel
	Panel NNB SSt Temp. Compensation	Habillage NNB SSt Temp. Compensation	950397	Used with Grommet 902331-004
	Panel NNB TP Alu	Panneau de NNB TP Alu	951941	Aluminium
	Panel Nnb Tp Assy Acp	Hab RB Plaque metal Asm ACP	948481	Additional Corrosion Protection
22	Nozzle Marker	Marquer Pistolet	944443	
23	Nozzle Boot	Repose Buse	909090	Standard
	Nozzle Boot - Nozzle Marker	Repose Buse - Marqueur Pistolet	944632	Used with Nozzle Marker only
24	Q110 Base Assembly	Q110 Embase Asm	-	Refer to Q110 Frame Assembly
25	Blank Hydraulic Door Welded	Porte Hyd Aveugle	946756	
	Blank Hydraulic Door Welded SSt	Porte Hyd Aveugle Inox	952982	Stainless Steel
	Blank Hydraulic Door Welded ACP	Porte Hyd Aveugle ACP	952980	Additional Corrosion Protection
	Blank Hydraulic Door Welded ALU	Porte Hyd Aveugle ALU	951384	Aluminium
26	Hydraulic Door 2 Totes Welded	Porte Hyd 2 Totalisat Soudee	946794	
	Hydraulic Door 2 Totes Welded SSt	Porte Hyd 2 Totalisat Soudee Inox	952954	Stainless Steel
	Hydraulic Door 2 Totes Welded ACP	Porte Hyd 2 Totalisat Soudee ACP	952950	Additional Corrosion Protection
	Hydraulic Door 2 Totes Welded ALU	Porte Hyd 2 Totalisat Soudee ALU	951387	Aluminium
27	Q110 Calculator Head Assembly	Tete Calculateur Q110 Asm	-	Refer to Q110 Calc.Head/Frame Asm
28	Bracket for Hose Connection	Support Coude Sortie Flex	953826	
29	Lock Assembly	Serrure Asm	-	Refer to Lock Assembly

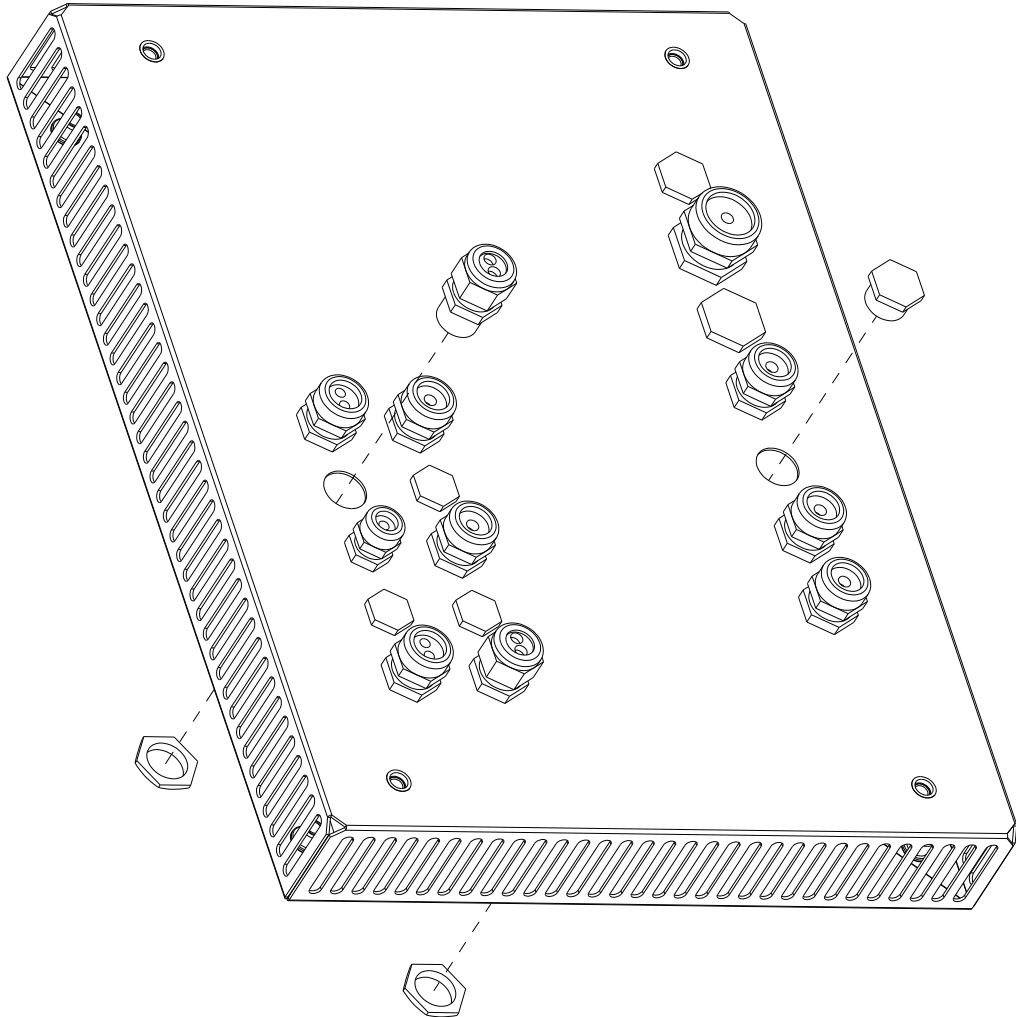
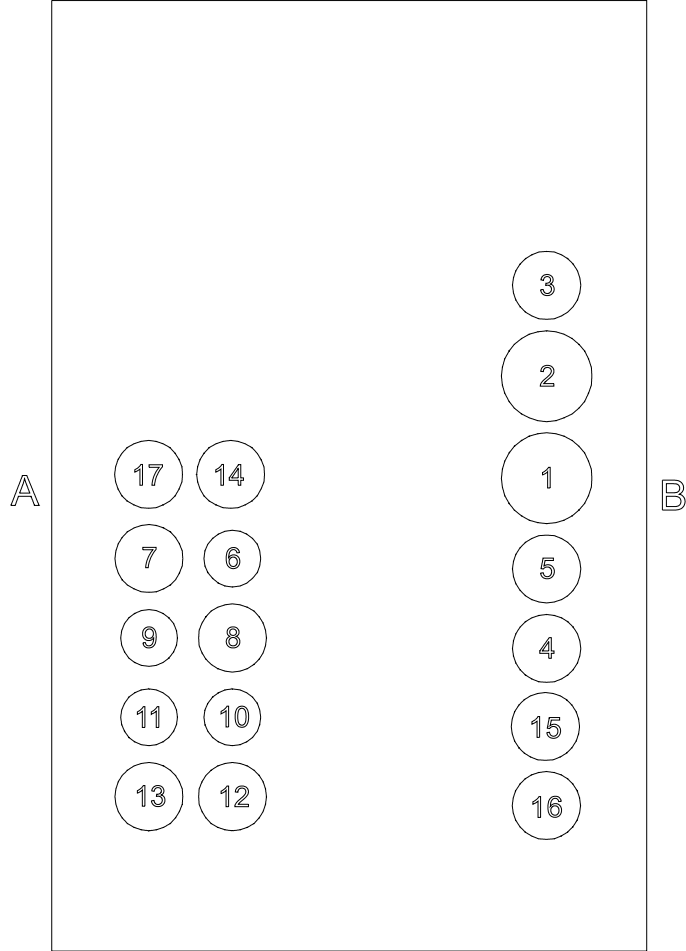


2.1.4 Q110 AIRGAP GLAND ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Gland M25 8-17 Nut M25	Presse Etoupe M25 8-17 Ecrou M25	901990-001 900088-002	Customer Supply 400V ac
2	Gland M25 8-17 Nut M25	Presse Etoupe M25 8-17 Ecrou M25	901990-001 900088-002	Customer Supply 230V ac
3	Gland M20 8-13 Nut M20	Presse Etoupe M20 8-13 Ecrou M20	900064-001 900088-001	Submerged
4	Gland M20 8-13 Gland M20 6-12 Nut M20	Presse Etoupe M20 8-13 Presse Etoupe M20 6-12 Ecrou M20	900064-001 904155-001 904155-001 900088-001	Empty Tank Contact Comms from Junction Box Customer Comms 2 (EPS/DLS)
5	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 904155-001 900088-001	Customer Comms Comms from Junction Box
6	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	900362-001 900362-001 900088-001	Nozzle Switch RN01 Motor Control SVHS/1ph Motor
7	Gland M20 2x6 Nut M20	Presse Etoupe M20 2x6 Ecrou M20	908856-001 900088-001	Pulser RP1, LP1 (for SVHS)
8	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Motor
9	Gland M16 5-8 Nut M16	Presse Etoupe M16 5-8 Ecrou M16	900362-001 900088-005	Valve RRV1/RSV1
10	Gland M16 5-8 Nut M16	Presse Etoupe M16 5-8 Ecrou M16	900362-001 900362-001 900088-005	Valve RHS1 40/80 Valve RRV3 (for SVHS)
11	Gland M16 5-8 Nut M16	Presse Etoupe M16 5-8 Ecrou M16	900362-001 900362-001 900088-005	Push Button 40/80, Nozzle 1 SVHS Valve RRV1 (for SVHS)

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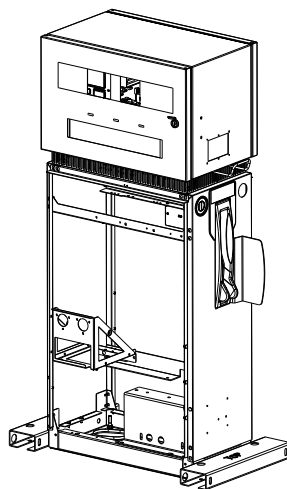




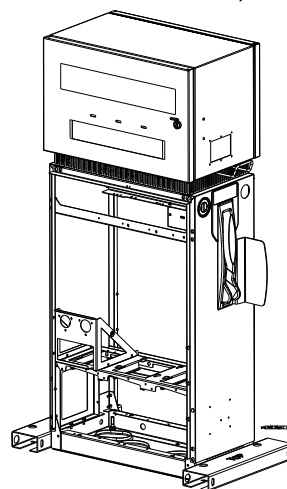
2.1.4 Q110 AIRGAP GLAND ASSEMBLY (CONT.)

Item No	Description	Désignation Français	Part No	Comments
12	Gland M20 2x6 Nut M20	Presse Etoupe M20 2x6 Ecrou M20	908856-001 900088-001	GRVP & Motor 1 Control
13	Gland M20 6-12 Gland M20 2x5 Nut M20	Presse Etoupe M20 6-12 Presse Etoupe M20 2x5 Ecrou M20	904155-001 901479-001 900088-001	GRVP Motor Nozzle Switches SVHS 1-2
14	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Motor 1 Capacitor
15	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Emergency Stop
16	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Fraud to Kiosk
17	Gland M20 2x5 Nut M20	Presse Etoupe M20 2x5 Ecrou M20	901479-001 900088-001	Fraud Sensors

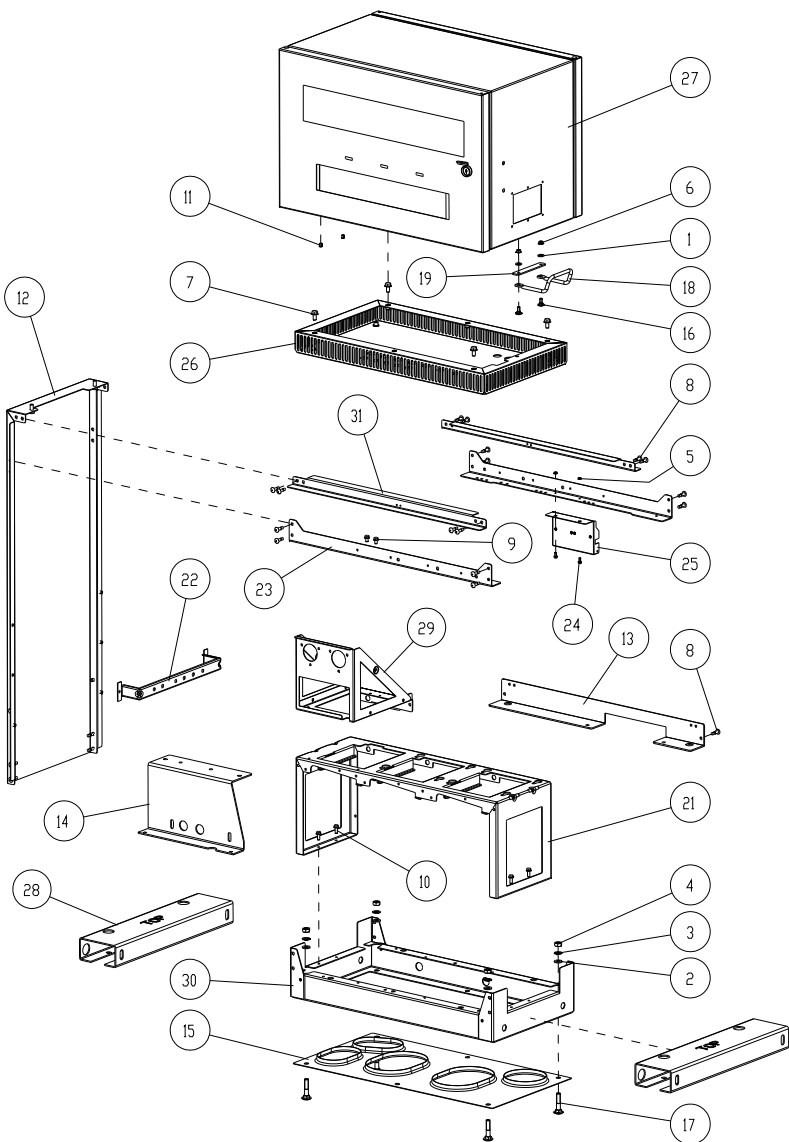
Description	Désignation Français	Part No
Plug M16	Bouchon M16	900044-004
Plug M20	Bouchon M20	900044-001
Plug M25	Bouchon M25	900044-002



WITH TQP-HS (PAS V3) PUMP



WITH TQP-RS (EPZ) PUMP



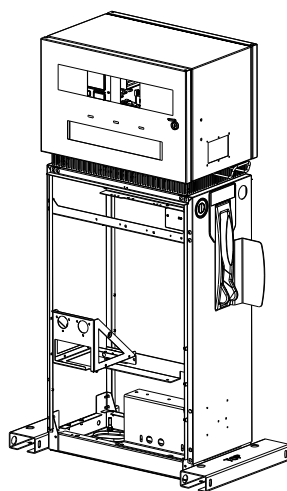
2.2 Q210 Assemblies

2.2.1 Q210 FRAME ASSEMBLY

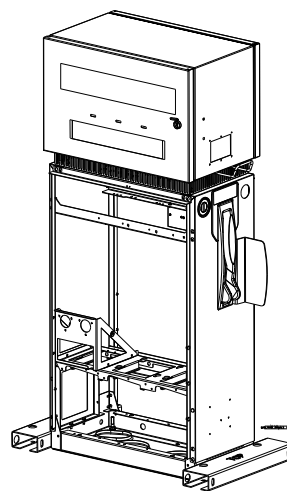
Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M8	Rondelle PI M8	900008-013	
2	Washer PI M10	Rondelle PI M10	900008-014	
3	Washer Serr Lock Ext M12	Rondelle a Dents DEC M12	900009-003	
4	Nut Hex M10	Ecrou H M10	900011-004	
5	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
6	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
7	Rivet Blind Domed 6.5x24.8	Rivet Pop Bomb 6.5x24.8	900025-002	
8	Screw HFHTF M6x10	Vis Hex. Taraudeuse M6x10	900708-001	
9	Screw HFHTF M6x16	Vis Hex. Taraudeuse M6x16	900708-003	
10	Plug HEYCO D6.5	Bouchon HEYCO D6.5	902330-002	
11	Column Panel	Habillage Colonne	-	Refer to Q210 Cladding Assembly
12	PASV3 Pump - Bracket	Traverse Pompe PASV3	903529	
13	PASV3 Bracket	Support PASV3	903530	Refer to TQP-HS (PAS V3) Stk
14	Leak Plate	Plaque Egouttures	903567	
15	Screw Round Head Square Bolts M6x16	Vis Tete Bombe av Collet Carre M6x16	903709-001	
16	Screw Round Head Square Bolts M10x50	Vis Tete Bombe av Collet Carre M10x50	903709-002	
17	Hook - Retaining Hose	Crochet Flexible	904127	
18	Hook Retaining Hose - Strengthener	Renfort Crochet Flexible	904134	
19	Column Panel	Habillage Colonne	-	Refer to Q210 Cladding Assembly
20	Pump Bracket	Support de Pompe	946347	Refer to TQP-RS (EPZ) Hyd Stk
21	Satellite Support Bracket	Satelite Support Bracket	946367	
22	Tote Bar	Tot Bar	946405	
23	Screw Hex Head Combi M4x10	Vis Hex Head Combi M4x10	946630	
24	Bracket for Mechanical Totalizers	Support Totalisateurs Mecanique	946633	Refer to Mechanical Totalisers Asm
25	Q210 Air Gap SSt	Air Gap Q210 Inox	948743	Refer to Q210 Air Gap Gland Asm
26	Q210 Calculator Head	Q210 Tête Calc	-	Refer to Q210 Calc Head Assembly

(CONT.)

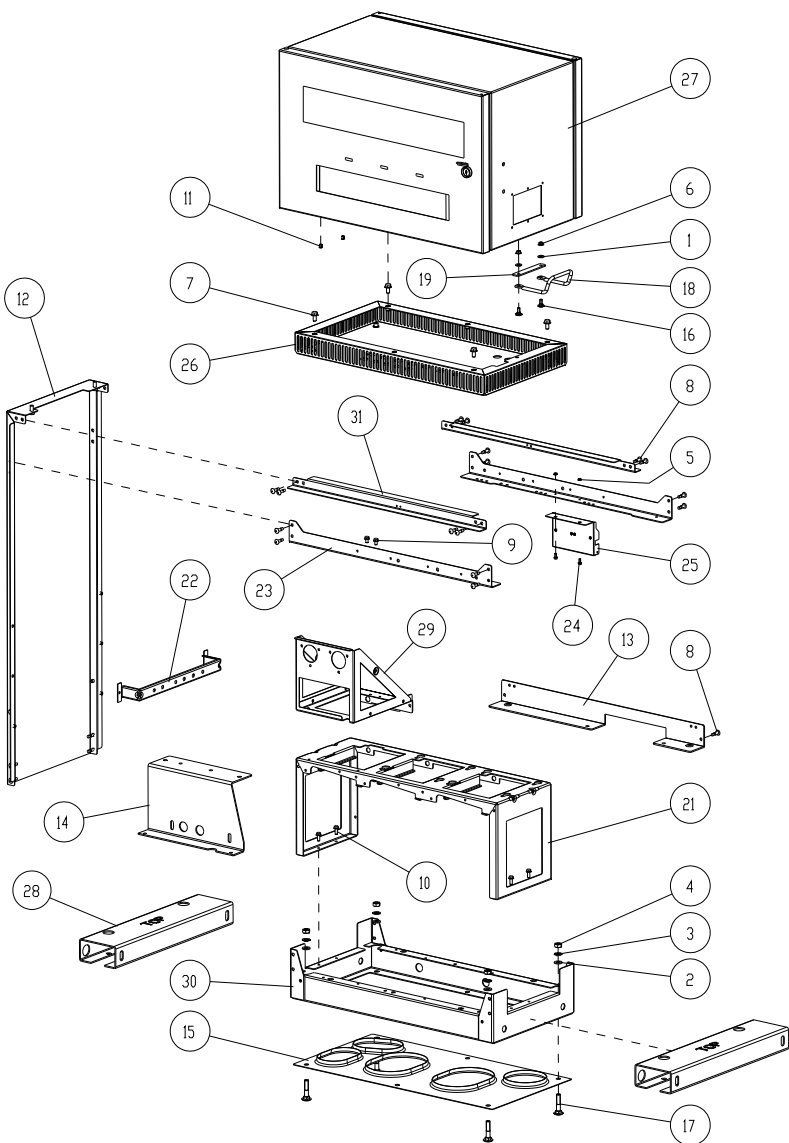




WITH TQP-HS (PAS V3) PUMP

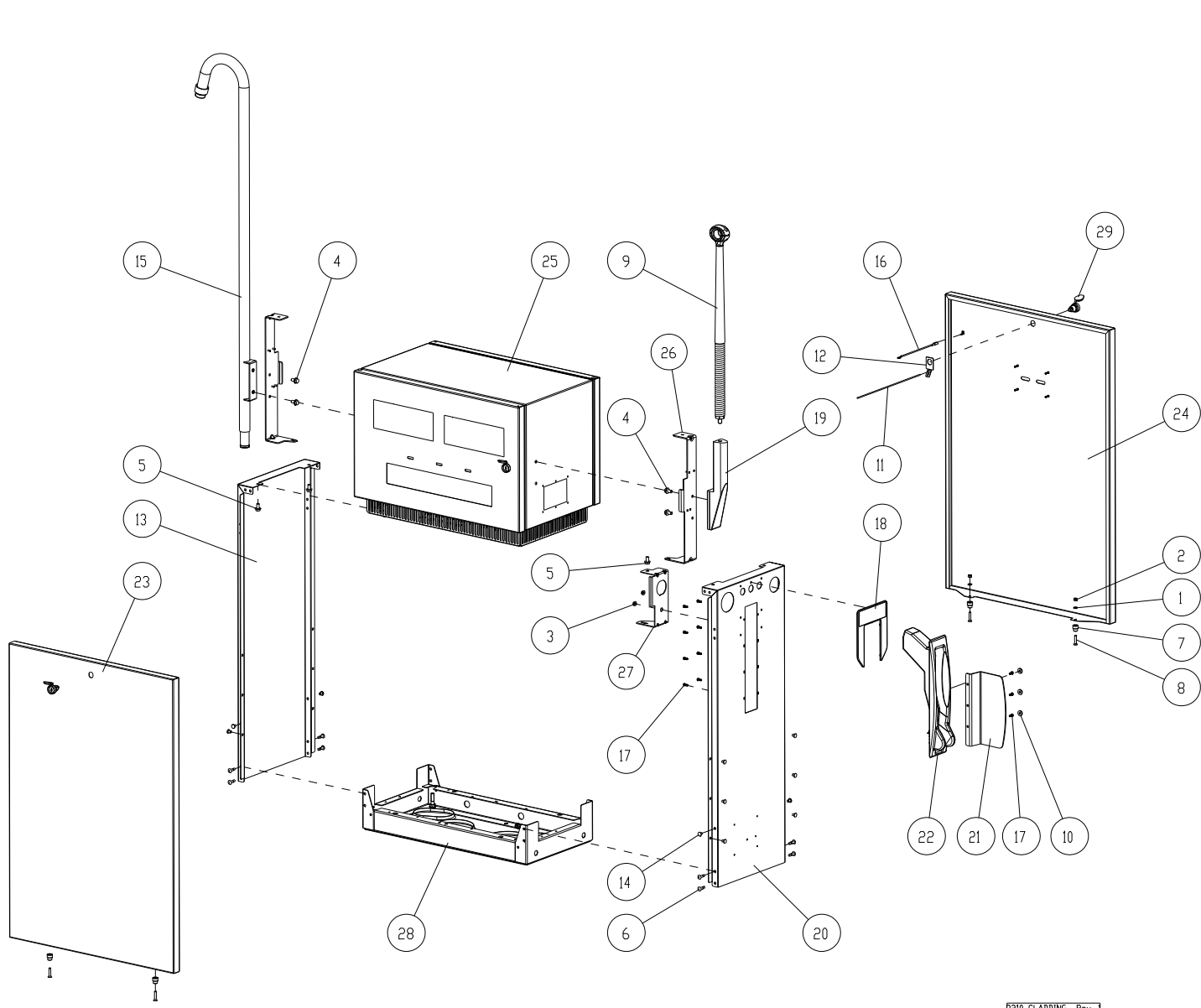


WITH TQP-RS (EPZ) PUMP



2.2.1 Q210 FRAME ASSEMBLY (CONT.)

Item No	Description	Désignation Français	Part No	Comments
27	Q210 VR Bracket Asm	Q210 VR Bracket Asm	957737	Refer to VR Pump & Motor Asm
28	Q210 Base Folded	Embase Q210	953114	Additional Corrosion Protection
	Base Folded ACP Assy Q210	Base Folded ACP Assy Q210	953216	
29	Q210 Rain Gutter ALU	Gouttière de Pluie Q210 ALU	951938	
30	MSat lifting bracket	Tube levage MSat	949534	



P210_CLADDING Rev. 1

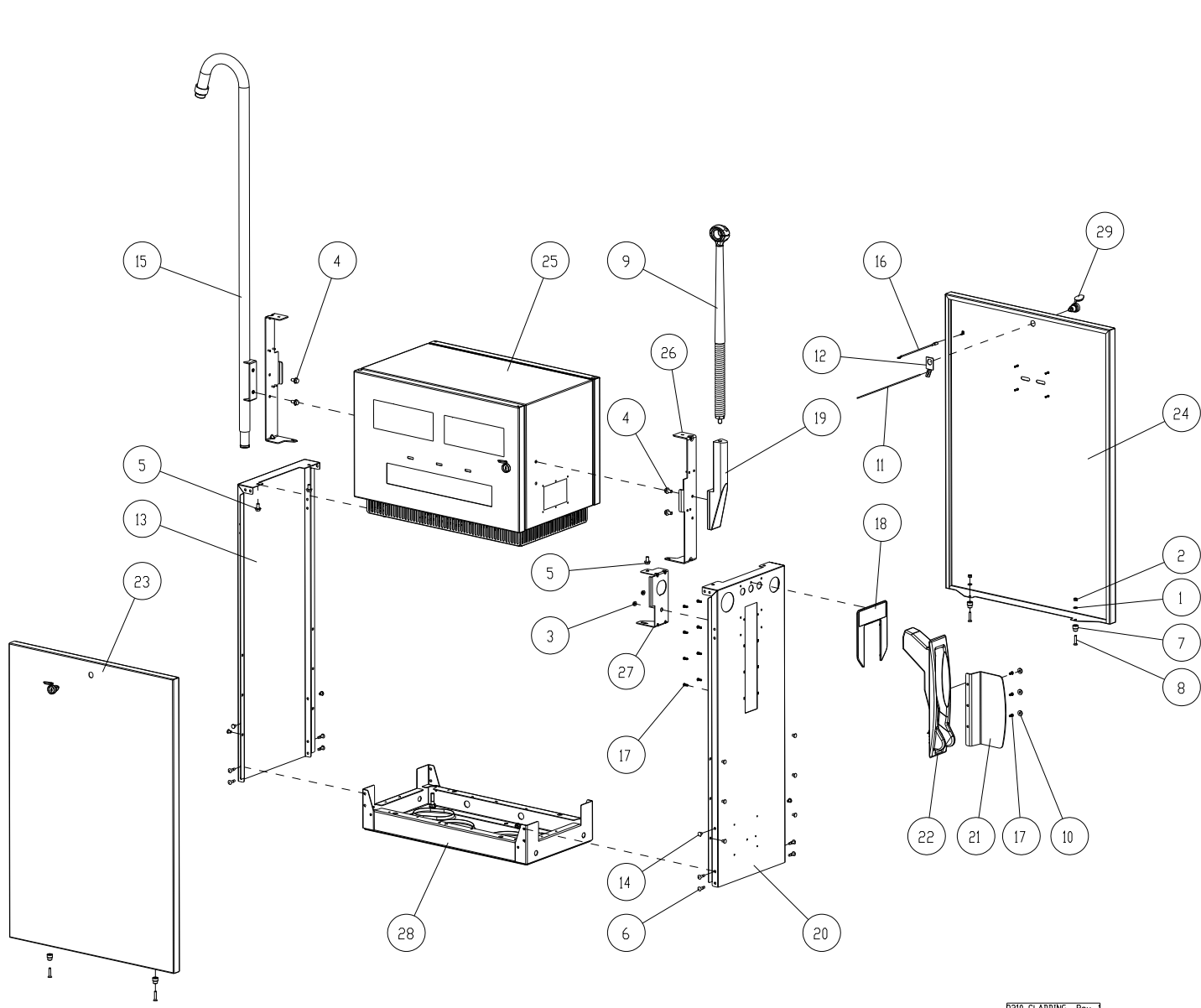


2.2.2 Q210 CLADDING ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M6	Rondelle PI M6	900008-002	
2	Nut Hex Prev Torque M6	Ecrou Frein M6	900012-003	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
5	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-024	
6	Rivet Blind Domed 6.5x24.8	Rivet Pop Bomb 6.5x24.8	900025-005	
7	Adjustment Pin	Broche de Reglage	900403	
8	Screw HSC M6x30	Vis FHC M6x30	900643-014	
9	Spring Mast	Canne Flexible	900876	
10	Snap Cap White M6	Chapeau Vis Blanc M6	903192-001	
11	Rope - Hydraulic Door	Corde Maintien Porte	903266	
12	Latch - Cord (Lock)	Butee de Bequille (Serrure)	903276	
13	Panel Blind	Habillage Aveugle	903510	Stainless Steel Additional Corrosion Protection Aluminium Used with Grommet 902331-004
	Panel Blind SSt	Habillage Aveugle Inox	904374	
	Panel Blind ACP	Habillage Aveugle ACP	948472	
	Panel Blind ALU	Habillage Aveugle ALU	951397	
	Panel Blind SSt Temp. Comp.	Habillage Aveugle Inox Temp. Comp.	950394	
14	Plug KAPSTO Type GPN 350	Bouchon KAPSTO Type GPN 350	904414-002	
15	Rigid Mast Welded	Canne Rigide Soudée	954004	
16	Earth Cable L=800	Câble Masse L=800	905930-003	
17	Screw Poly 30 Posi Pan Dia 5x12	Vis Poly 30 Posi Pan Dia 5x12	940787-001	
18	Narrow Noz. Boot Protection Panel	Protection Repose Buse	942605	Refer to Protection Panel Push Button
19	Support Spring Mast Machined	Support Canne Flexible	942862	
20	Panel Narrow Nozzle Boot (NNB)	Habillage NNB	943915	Stainless Steel Additional Corrosion Protection Type Plate Stainless Steel
	Panel NNB SSt	Habillage NNB Inox	943487	
	Panel NNB ACP	Habillage NNB ACP	948479	
	Panel NNB & TP	Habillage NNB & TP	943486	
	Panel NNB & TP SSt	Habillage NNB & TP SSt	943489	

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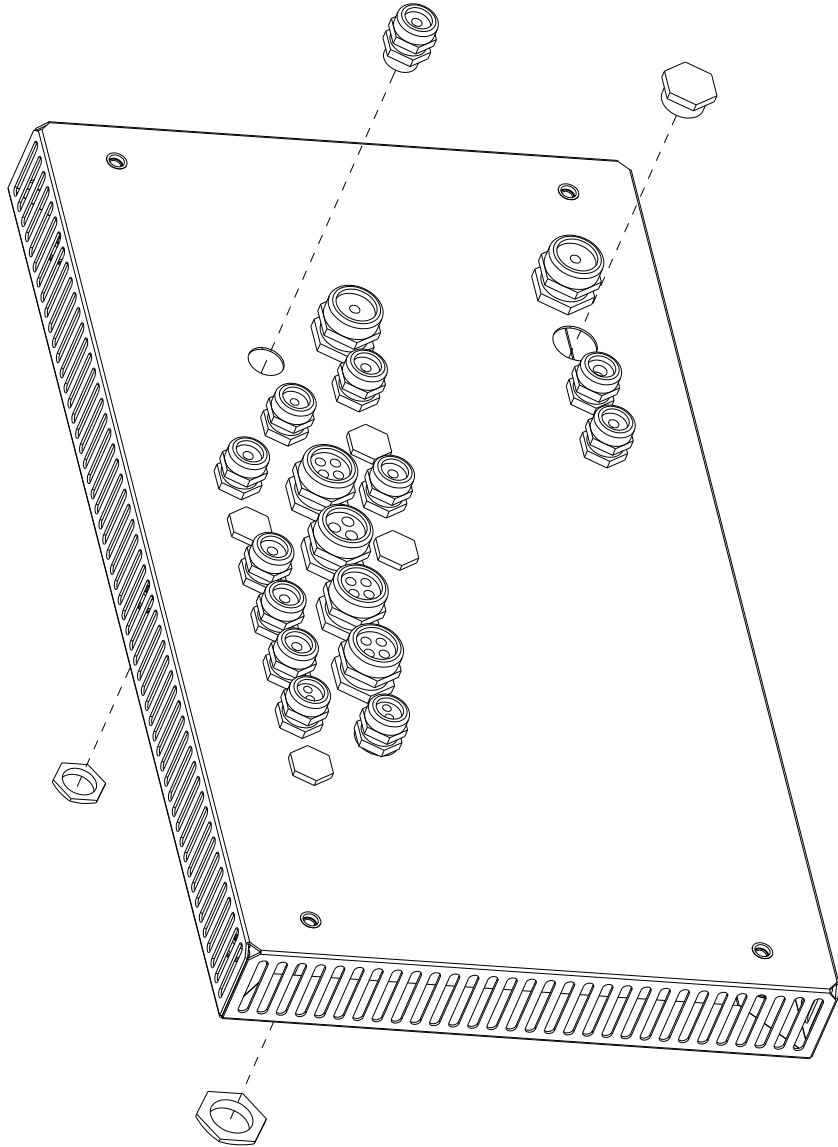
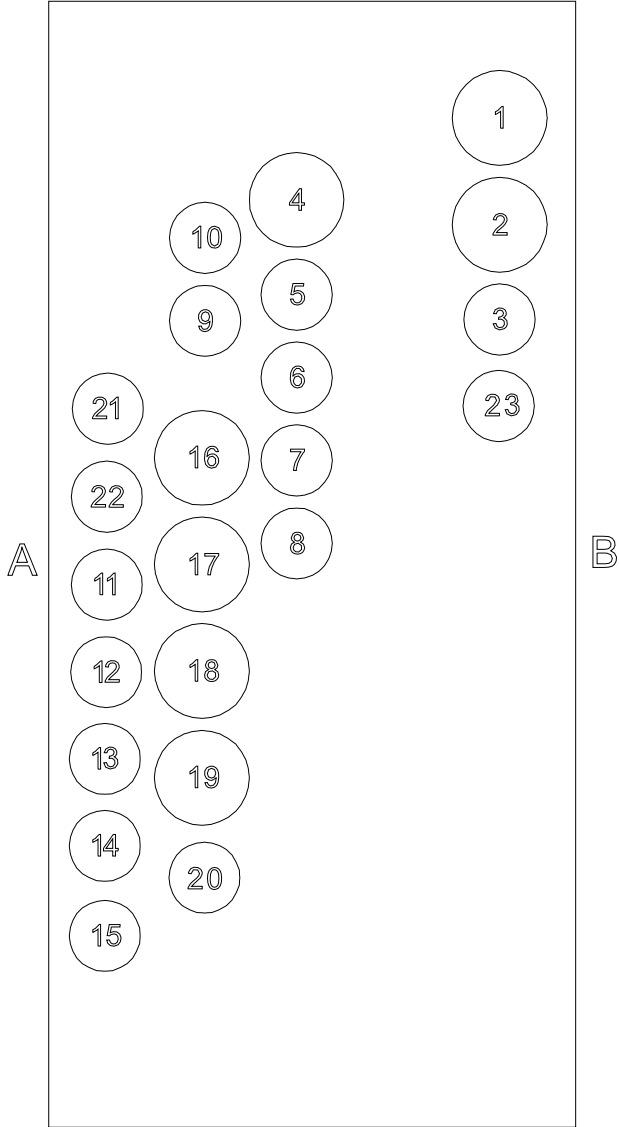


P210_CLADDING Rev. 1



2.2.2 Q210 CLADDING ASSEMBLY (CONT.)

Item No	Description	Désignation Français	Part No	Comments
20 (Cont.)	Panel NNB & TP ACP	Habillage NNB & TP ACP	948481	Additional Corrosion Protection
	Panel NNB SSt Temp. Compensation	Habillage NNB SSt Temp. Compensation	950397	Used with Grommet 902331-004
21	Nozzle Marker	Marquer Pistolet	944443	
22	Nozzle Boot	Repose Buse	909090	Standard
	Nozzle Boot - Nozzle Marker	Repose Buse - Marqueur Pistolet	944632	Used with Nozzle Marker only
23	Hydraulic Door Blank	Porte Hyd Aveugle	946537	
	Hydraulic Door Blank SSt	Porte Hyd Aveugle Inox	952986	Stainless Steel
	Hydraulic Door Blank ACP	Porte Hyd Aveugle ACP	952984	Additional Corrosion Protection
	Hydraulic Door Blank ALU	Porte Hyd Aveugle ALU	951467	Aluminium
24	Hydraulic Door 2 Totes Welded	Porte Hyd 2 Totalisat Soudee	946766	
	Hydraulic Door 2 Totes Welded SSt	Porte Hyd 2 Totalisat Soudee Inox	952956	Stainless Steel
	Hydraulic Door 2 Totes Welded ACP	Porte Hyd 2 Totalisat Soudee ACP	952952	Additional Corrosion Protection
	Hydraulic Door 2 Totes Welded ALU	Porte Hyd 2 Totalisat Soudee ALU	951472	Aluminium
25	Q210 Calculator Head Assembly	Tete Calculateur Q210 Asm	-	Refer to Q210 Calc.Head/Frame Asm
26	Bkt TQC ST 210 Assy	Bkt TQC ST 210 Assy	952364	
27	Bracket for Hose Connection	Support Coude Sortie Flex	953826	
28	Q210 Base Assembly	Q210 Embase Asm	-	Refer to Q210 Frame Assembly
29	Lock Assembly	Serrure Asm	-	Refer to Lock Assembly

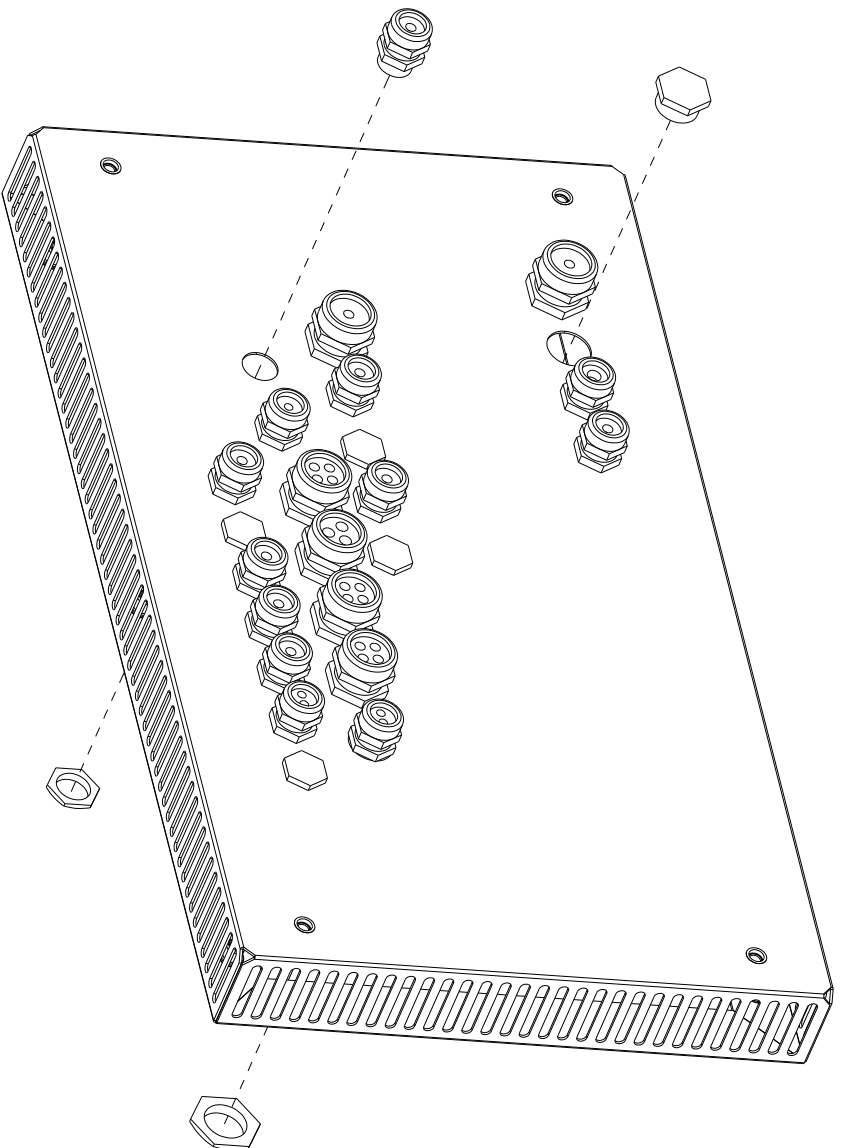
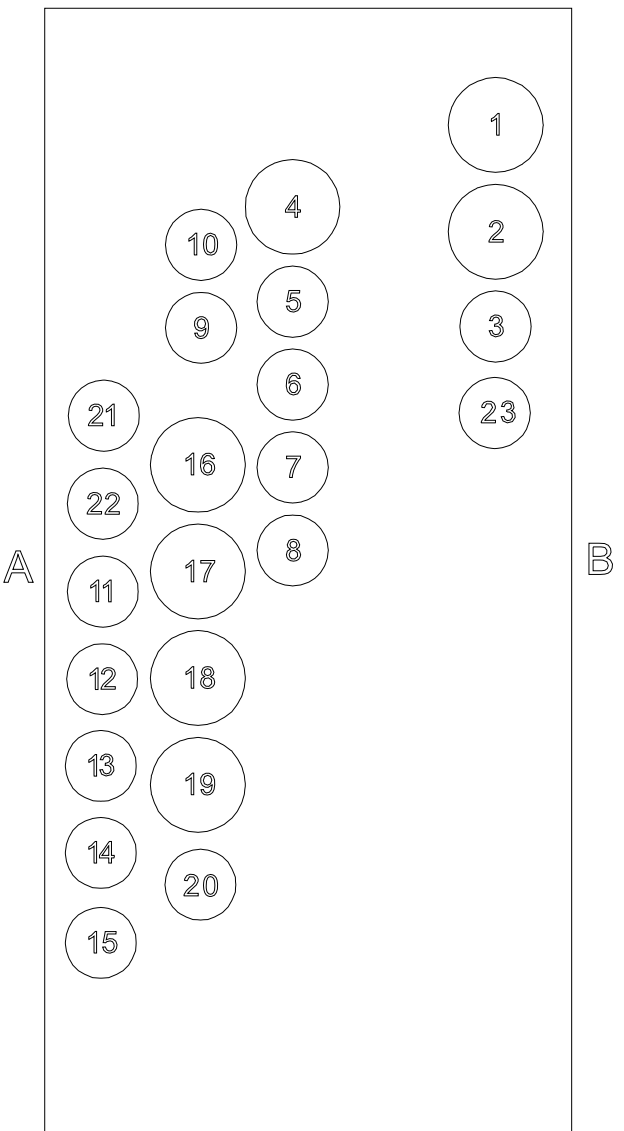


2.2.3 Q210 AIRGAP GLAND ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Gland M25 8-17 Nut M25	Presse Etoupe M25 8-17 Ecrou M25	901990-001 900088-002	Customer Supply 400V ac
2	Gland M25 8-17 Nut M25	Presse Etoupe M25 8-17 Ecrou M25	901990-001 900088-002	Customer Supply 230V ac
3	Gland M20 8-13 Nut M20	Presse Etoupe M20 8-13 Ecrou M20	900064-001 900088-001	Submerged
4	Gland M25 8-17 Nut M25	Presse Etoupe M25 8-17 Ecrou M25	901990-001 900088-002	Empty Tank Contact
5	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 904155-001 904155-001 900088-001	Customer Comms Fleet Comms Comms from Junction Box
6	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Satellite Conns 2 Display
7	Gland M20 6-12 Gland M20 8-13 Nut M20	Presse Etoupe M20 6-12 Presse Etoupe M20 8-13 Ecrou M20	904155-001 900064-001 900088-001	Fleet Comms Satellite Conns 1 Display
8	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Customer Comms EPS
9	Gland M20 5-9 Gland M20 6-12 Nut M20	Presse Etoupe M20 5-9 Presse Etoupe M20 6-12 Ecrou M20	901478-001 904155-001 900088-001	Mini Master Satellite Conns 1 Nozz & Button
10	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Satellite Conns 2 Nozz & Button
11	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Pump Motor 1, (SVHS)
12	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Pump Motor VR

(CONT.)



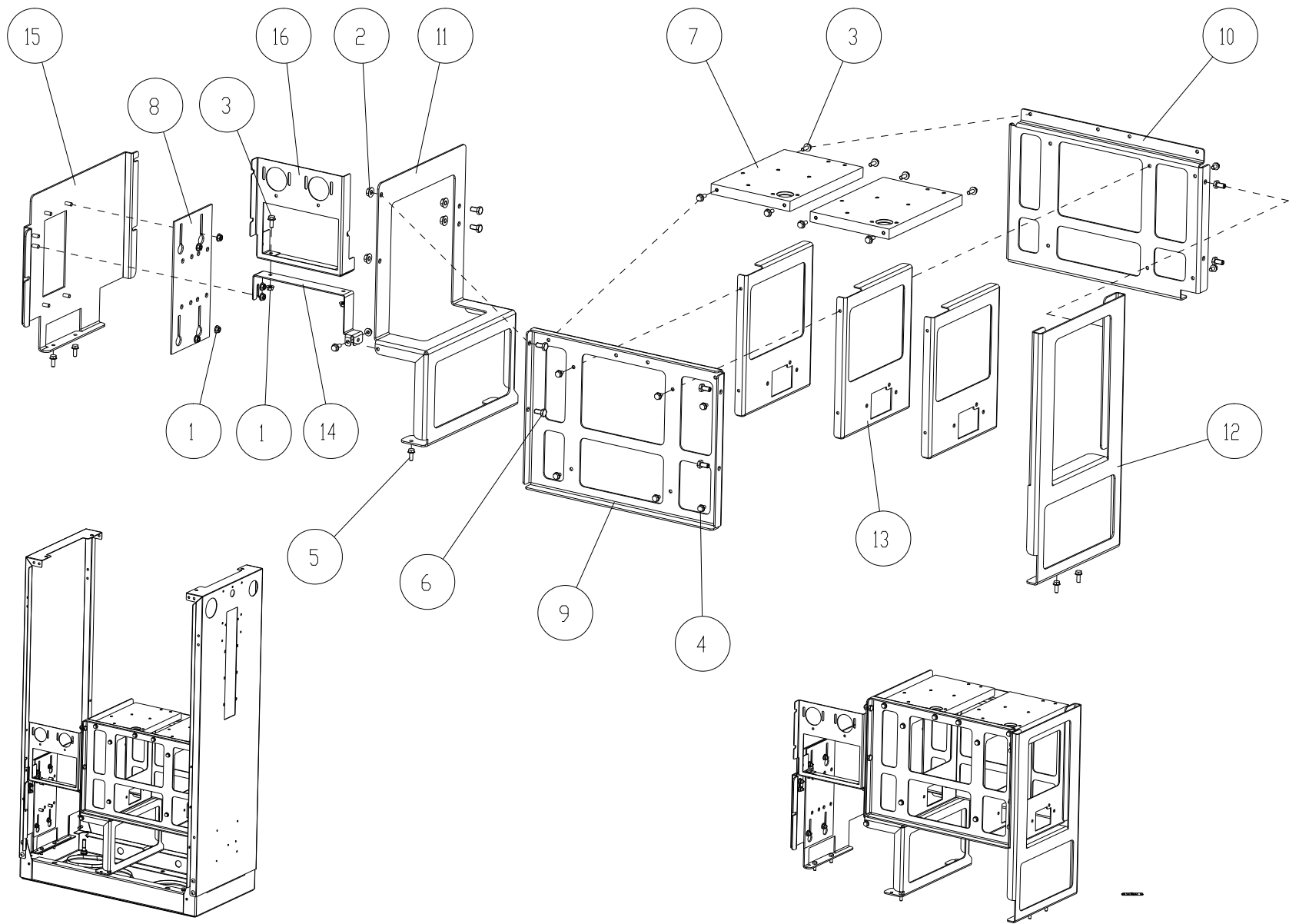


2.2.3 Q210 AIRGAP GLAND ASSEMBLY (CONT.)

Item No	Description	Désignation Français	Part No	Comments
13	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Pump Motor 2
14	Gland M20 2x5 Nut M20	Presse Etoupe M20 2x5 Ecrou M20	901479-001 901479-001 900088-001	Nozzle Switch LN01, RN01 Nozzle Switch RN02, RN03
15	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	SCS 9 (Blue Cable)
16	Gland M25 4x6 Nut M25	Presse Etoupe M25 4x6 Ecrou M25	900363-001 900088-002	Motor Control M1, M2 & 40/80 Push Button & Continuous Fill Button
17	Gland M25 3x7 Nut M25	Presse Etoupe M25 3x7 Ecrou M25	901488-001 900088-002	Valve ECVR R/L, VR Motor Control
18	Gland M25 4x6 Nut M25	Presse Etoupe M25 4x6 Ecrou M25	900363-001 900088-002	Pulser LP1, RP1, Valve 40/80 R/L
19	Gland M25 4x6 Gland M25 3x7 Nut M25	Presse Etoupe M25 4x6 Presse Etoupe M25 3x7 Ecrou M25	900363-001 901488-001 900088-002	Valve LRV1, RRV1 & RRV3 Valve LRV1, LSV1, RRV1, RSV1, RRV3 & RSV3
20	Gland M20 2x5 Nut M20	Presse Etoupe M20 2x5 Ecrou M20	901479-001 900088-001	Fraud Sensors
21	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Pump Motor 1 Capacitor
22	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 900088-001	Pump Motor 2 Capacitor
23	Gland M20 6-12 Nut M20	Presse Etoupe M20 6-12 Ecrou M20	904155-001 904155-001 900088-001	Fraud to Kiosk Emergency Stop

Description	Désignation Français	Part No
Plug d=6.5	Bouchon d-6.5	901975-001
Plug M20	Bouchon M20	900044-001
Plug M25	Bouchon M25	900044-002

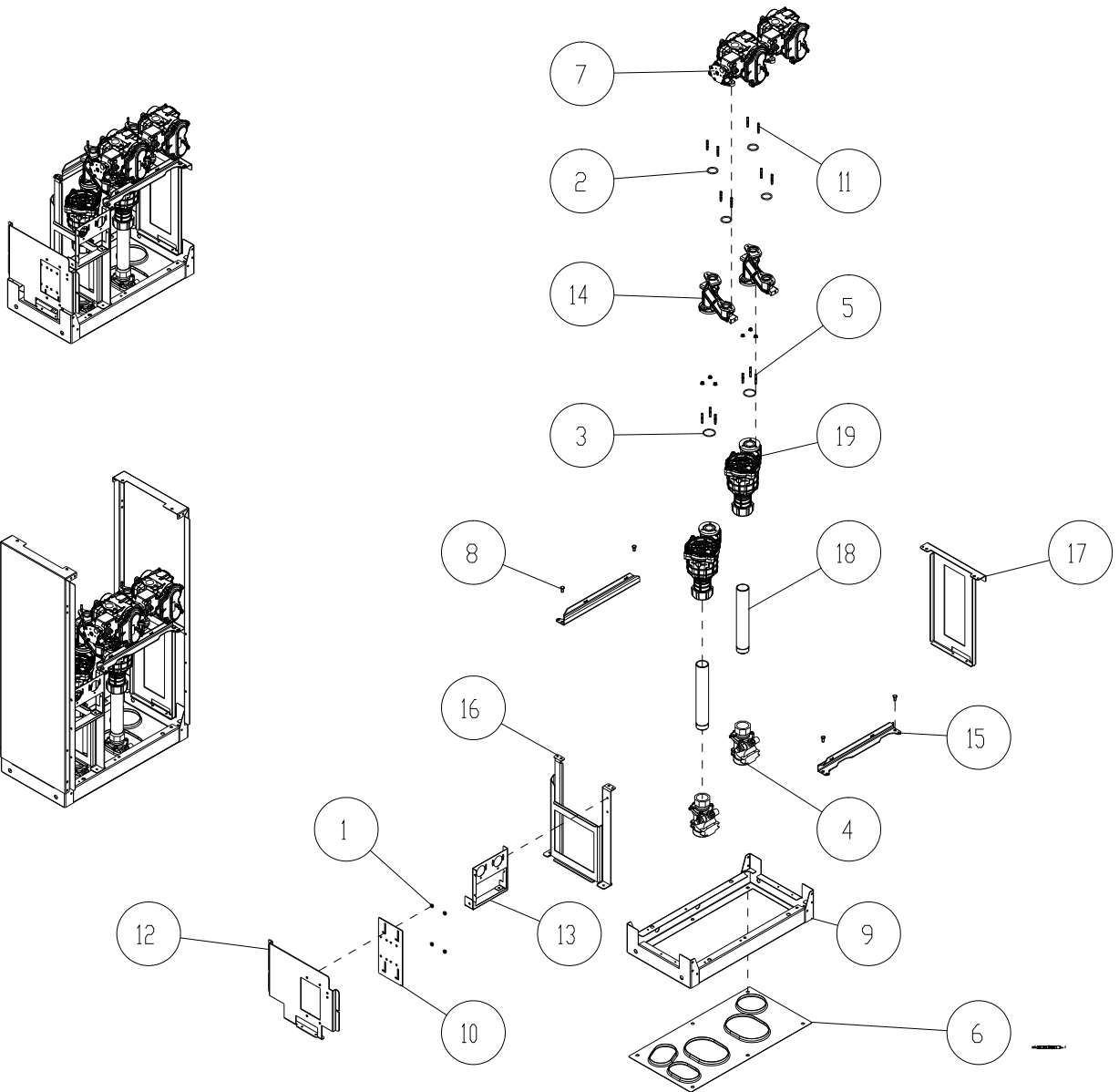




2.3 Q210 Submerged Frame Assemblies

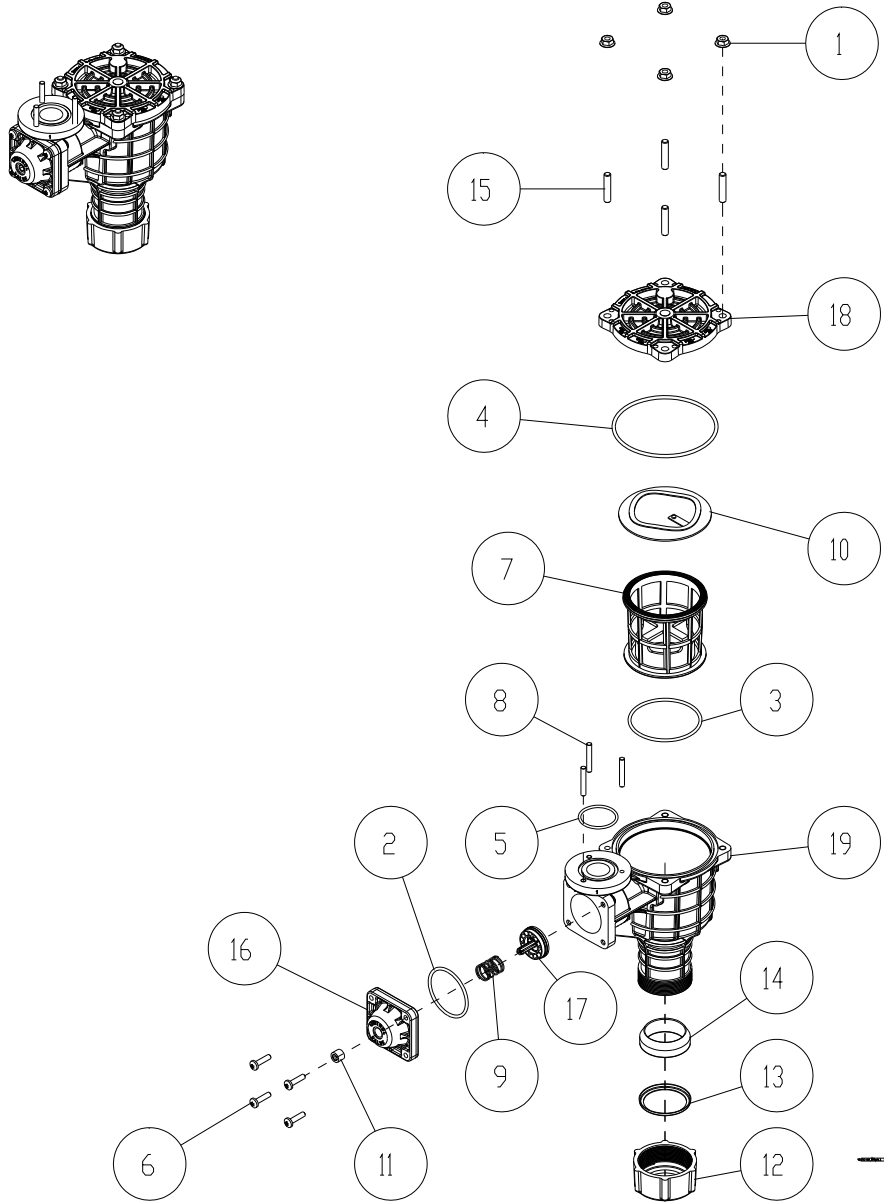
2.3.1 Q210 SUBMERGED FRAME ASSEMBLY - MANUFACTURED BEFORE JANUARY 2014

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
2	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
3	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
4	Screw HFHTF M6x10	Vis Hex. Taraudeuse M6x10	900708-001	
5	Screw HFHTF M6x16	Vis Hex. Taraudeuse M6x16	900708-003	
6	Screw Nylon Shear M8 x 16	Vis nylon cisaillement M8 x 16	941002	
7	Adaptor Block	Bloc d'Adapteur	942461	Refer to Submerged Hydraulics
8	VR 0.25kW Motor Mounting	VR 0.25kW Motor Mounting	947823	
9	Bracket Submerged Side A	Support Immerge Cote A	948733	
10	Bracket Submerged Side B	Support Immerge Cote B	948734	
11	Bracket Submerged Lower	Bracket Submerged Lower	948735	
12	Bracket Submerged End Position	Bracket Submerged End Position	948736	
13	Bracket Lateral Submerged Filter	Bracket Lateral Submerged Filter	948737	
14	Bracket VR Support Submerged	Bracket VR Support Submerged	948755	
15	Bracket VR Motor Submerged Assy	Bracket VR Motor Submerged Assy	948757	
16	110/210 VR Bracket Submerged	110/210 RV Support Immerge	948920	



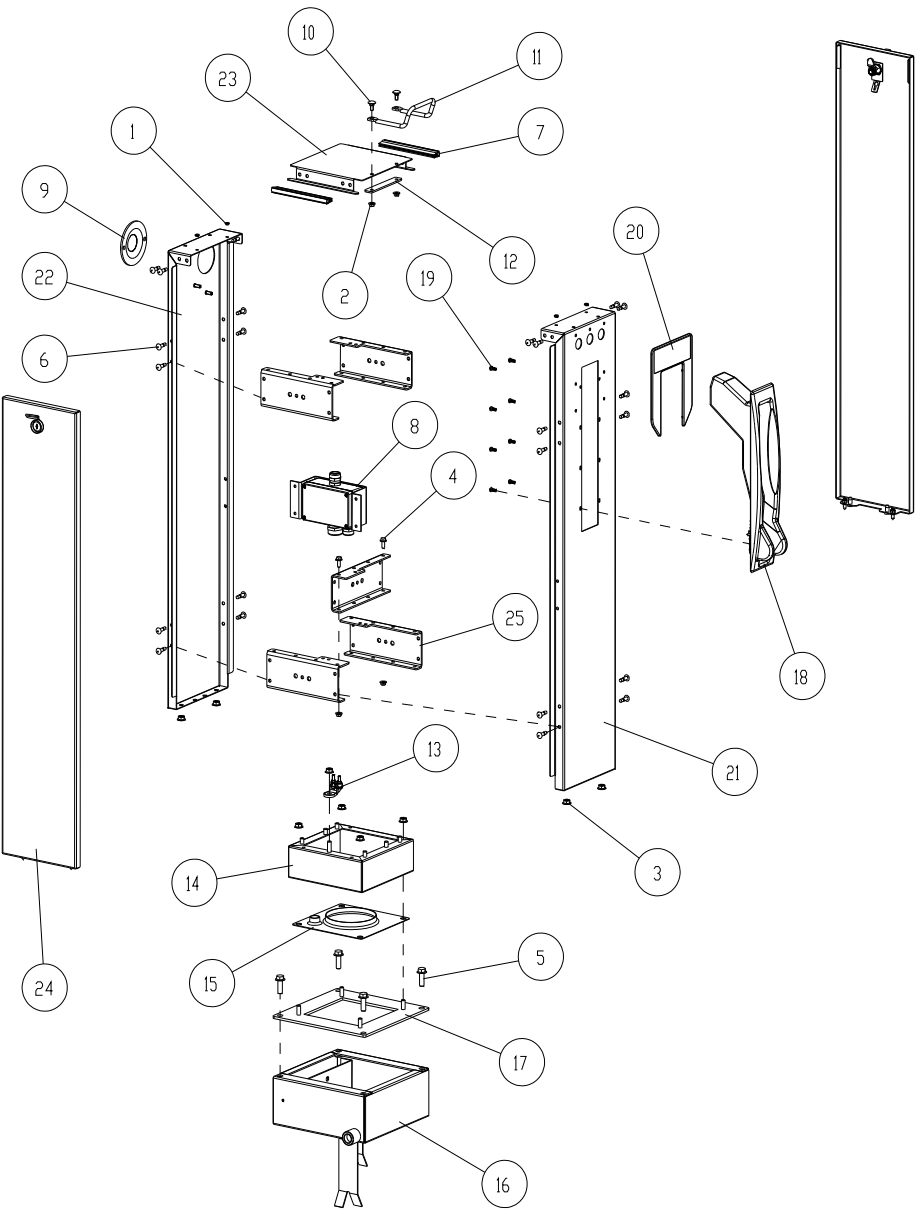
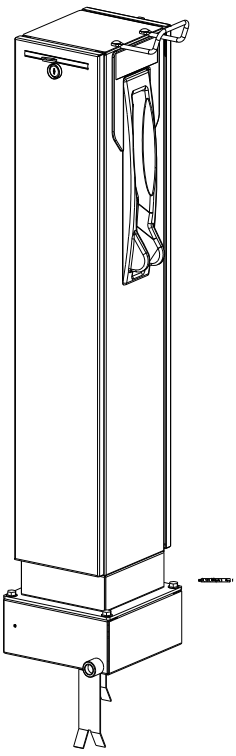
2.3.2 Q210 SUBMERGED FRAME ASSEMBLY - MANUFACTURED AFTER FEBRUARY 2014

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M6	Ecrou autobloquant Flange M6	900013-003	
2	O-Ring 34,00 x 4,00	Joint Torique 34,00 x 4,00	900050-002	
3	O-Ring 42x3	Joint Torique 42x3	900050-083	
4	Shear Valve	Raccord Cassant	901108	
5	Stud M6x40 (18-4-18)	Goujon M6x40 (18-4-18)	901695	
6	Leak plate	Plaque égouttures	903567	
7	Meter TQM in line assembly	Mesureur TQM en ligne asm	908178	
8	Screw Nylon Shear M8 x 16	Vis nylon cisaillement M8 x 16	941002	
9	Q210 Base Folded Base Folded ACP Assy Q210	Embase Q210 Base Folded ACP Assy Q210	953114 953216	Additional Corrosion Protection
10	VR Mount 0.25kw Motor	VR Mount 0.25kw Motor	947823	
11	Stud M6X40 (16.5-11-12.5)	Goujon M6X40 (16.5-11-12.5)	948402	
12	Brkt VR Motor Sub Assy	Brkt VR Motor Sub Assy	948757	
13	Brkt VR Sub Q110 / 210	Brkt VR Sub Q110 / 210	948920	
14	Collector Machinned	Collecteur Usine	951150	
15	Collect bkt submerged Q510 2F	Collect bkt submerged Q510 2F	953225	
16	Bkt Q210 submerged	Bkt Q210 submerged	953267	
17	Bkt Q210 submerged	Bkt Q210 submerged	953268	
18	Pipe submerge 40/49 lg295	Tube immerge 40/49 lg295	954628	
19	Filter submerged stack assy	Filtre immerge stack asm	-	Refer to Filter Immerg Stack Asm



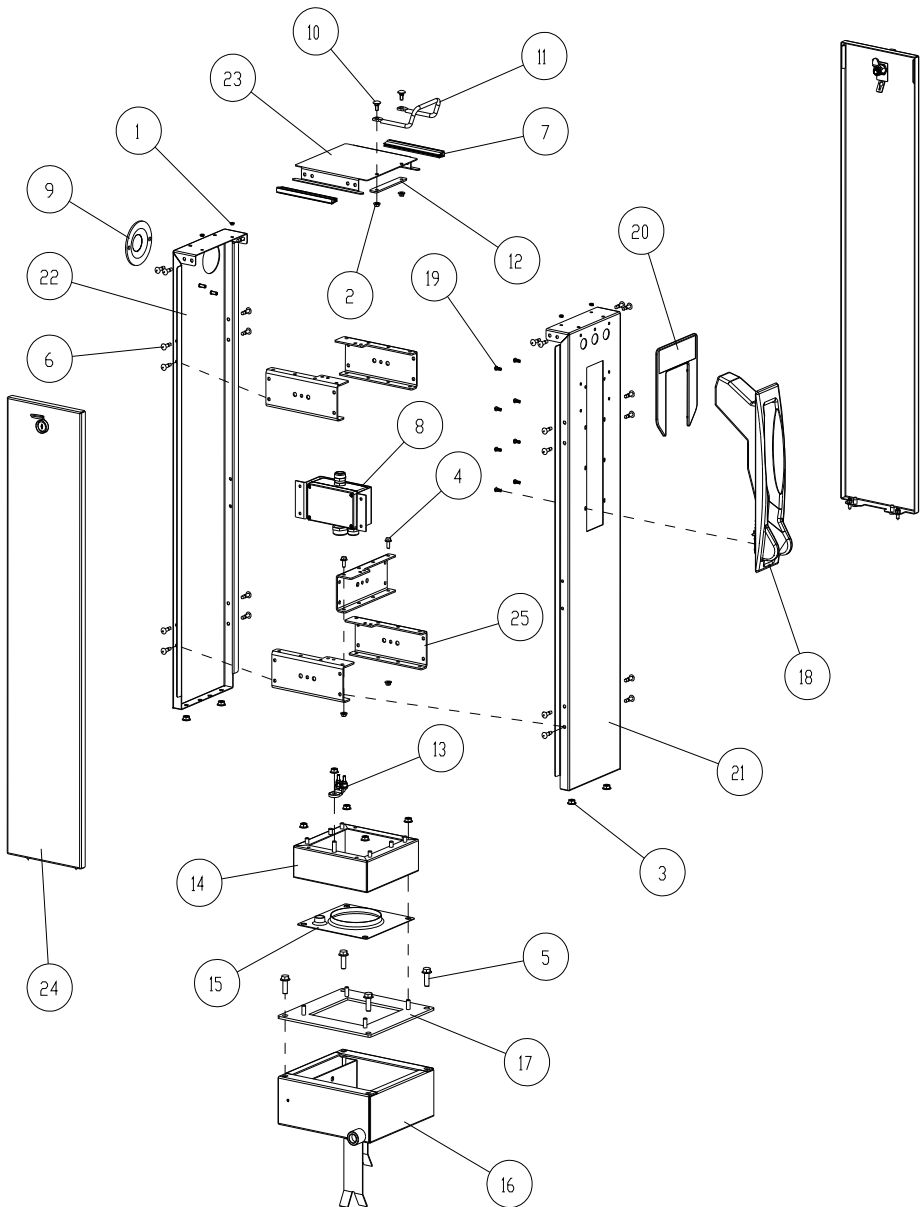
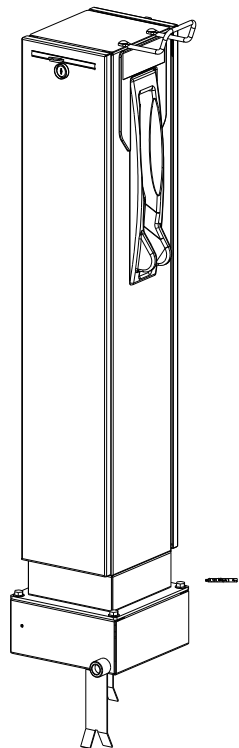
2.3.3 FILTER SUBMERGED STACK ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M8	Ecrou autobloquant Flange M8	900013-004	
2	O-Ring 59,92 x 3,53	Joint Torique 59,92 x 3,53	900050-006	
3	O-Ring 82,14 x 3,53	Joint Torique 82,14 x 3,53	900050-025	
4	O-Ring 120,00 x 4,00	Joint Torique 120,00 x 4,00	900050-027	
5	O-Ring 42x3	Joint Torique 42x3	900050-083	
6	Screw torx Thr Form BH M6x25	Vis Torx AutoF TCBL Tril M6x25	900053-004	
7	Filter 90 microns	Filtre 90 microns	901612	
8	Filter 90 microns	Filtre 90 microns	901695	
9	Outlet valve spring	Ressort valve de sortie	901703	
10	Spring plate disk	Disque plaque supp. equipee	901726	
11	Pipe plug	Obturateur 1/4 pouce	901791	
12	Nut - NEFIT coupling	Ecrou raccord NEFIT	902863	
13	Washer -NEFIT seal	Rondelle joint NEFIT	902865	
14	Sealing ring - NEFIT coupling	Joint raccord NEFIT	902866	
15	Stud M8x40 (18-4-18)	Goujon M8x40 (18-4-18)	902931-005	
16	Checkvalve cover with pip plug	Couvercle clapet A-R av obtura	909178	
17	Outlet valve equiped	Clapet de sortie equipe	944356	
18	Cover filter submerged	Couvercle filtre immerge	951133	
19	Body filter submerged machined	Corps filtre immege usine	951152	



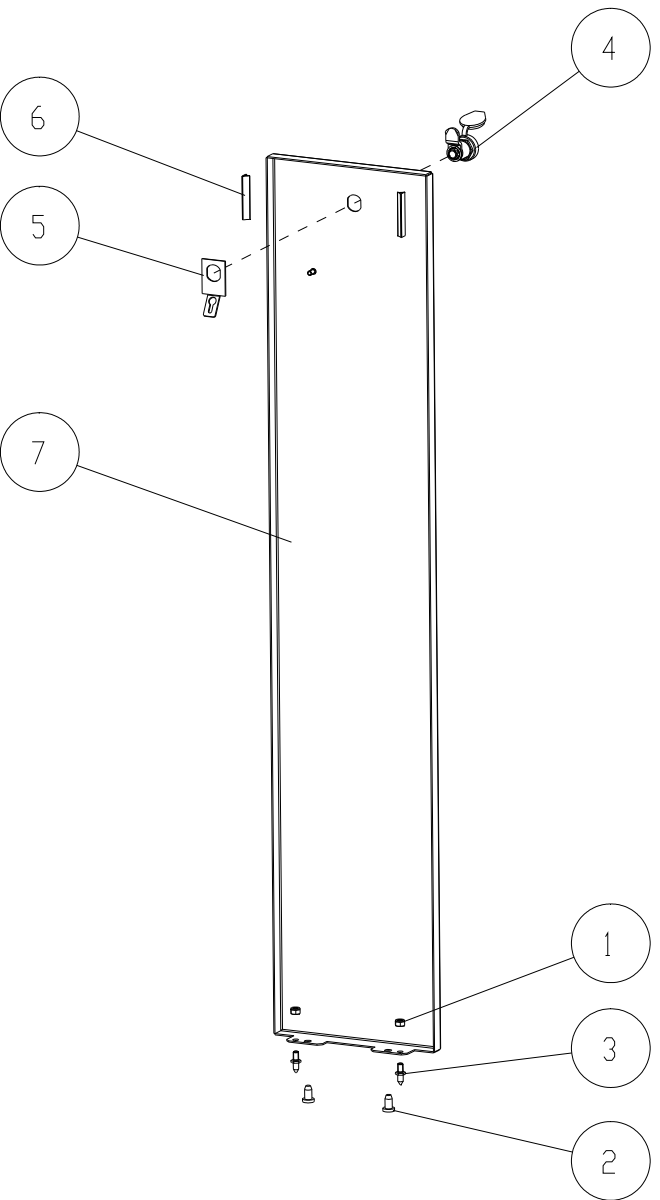
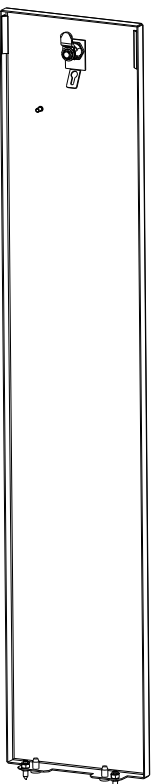
2.4 Q210 SDS Frame & Cladding

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
4	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
5	Screw HFHSL M10x30	Vis Hex Br Autobl M10x30	900016-017	
6	Rivet Blind Domed 6.5x24.8	Rivet Pop Bomb 6.5x24.8	900025-002	
7	Seal EMKA 1011-05 Length 149	Joint Tube EMKA 1011-05 Lg 149	900730-015	
8	Bernstein Box Bracket	Bernstein Box Support	-	Refer to SDS Junction Box Asm.
9	Gasket Outlet Connection	Joint Coude de Sortie	903645	
10	Screw Round Head Square Bolts M6x16	Tete Bombe av Collet Carre M6x16	903709-001	
11	Hook - Retaining Hose	Crochet Flexible	904127	
12	Hook Retaining Hose - Strengthening	Renfort Crochet Flexible	904134	
13	Earth Trap	Cosse de Masse	904845	
14	Base of SDS	Embase Borne SAT. Simple	905788	
15	Leak Plate for SDS	Plaque Récup Egout - Borne	905819	
16	Tray for SDS	Borne - Bac de Rétent.	905822	
17	Embedding Plate	Plaque de Scellement	907731	
18	Nozzle Boot	Repose Buse	-	Refer to Nozzle Boot Assembly
19	Screw Poly 30 Posi Pan Dia 5x12	Vis Poly 30 Posi Pan Dia 5x12	940787-001	
20	NNB Protection Panel	Protection Repose Buse	942605	
21	Panel NB SDS	Pann. Habillage RB	943936	
	Panel NB SDS SST	Pann. Habillage RB Inox	943935	
	Panel NB SDS ALU	Pann. Habillage RB ALU	951564	
	Panel NB & VR gauge assy	Asm Habillage RB & manometre	943485	
	Panel NB & VR gauge mtl pl. as	Asm Habil. RB & mano pl. metal	943484	
22	Panel for Outlet Elbow SDS SST	Panel pour Oulet Coude SDS Inox	905790	Stainless Steel Aluminium
	Panel for Outlet Elbow SDS ALU	Panel pour Oulet Coude SDS ALU	951597	
	Panel Outlet Elbow SDS Alu	Panneau Sortie coude SDS Alu	951598	
	Panel for outlet elbow welded	Pann. hab. sortie coude soudé	905792	



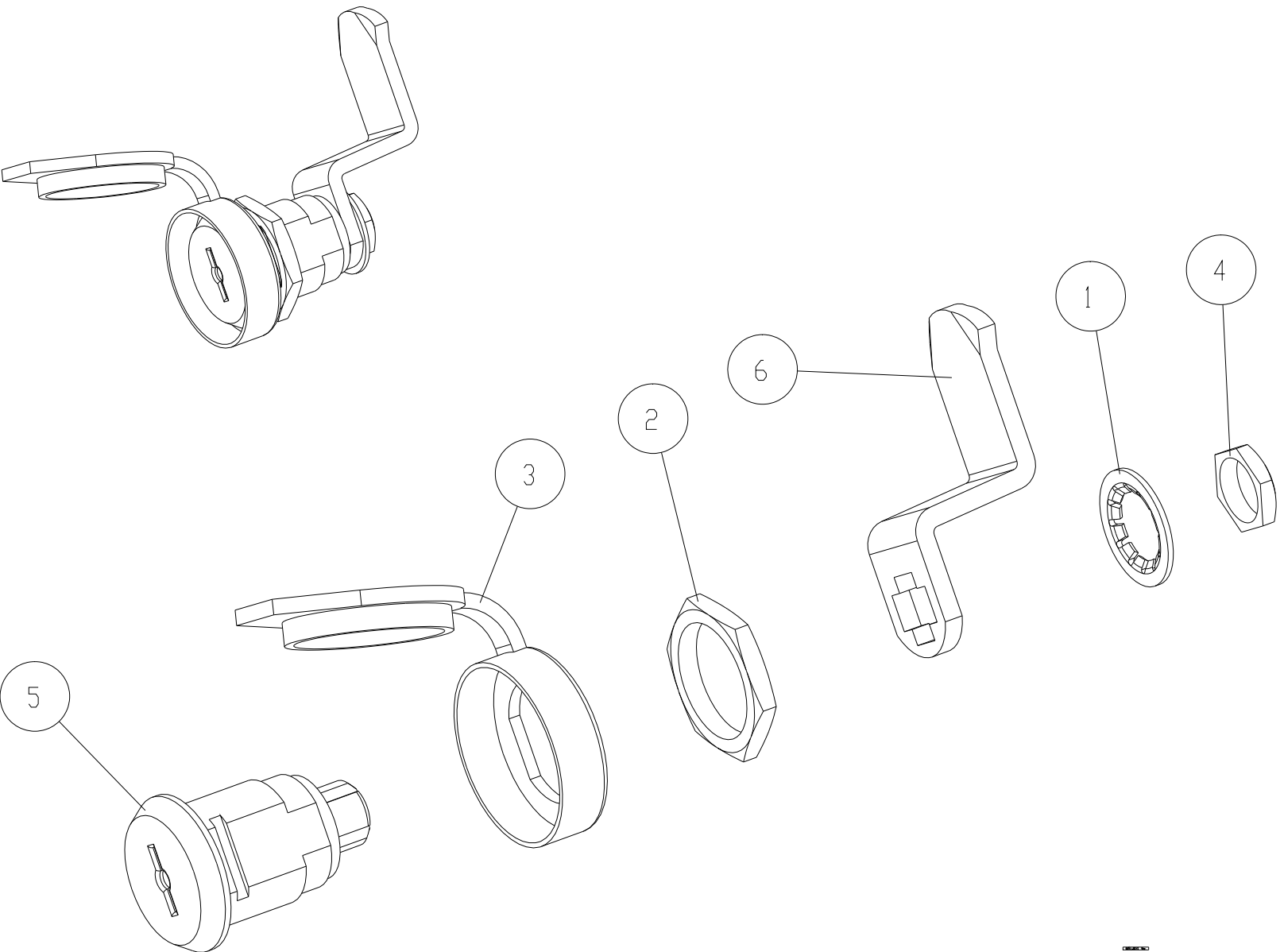
2.4 Q210 SDS Frame & Cladding (Cont.)

Item No	Description	Désignation Français	Part No	Comments
23	Plate Top	Haut Plate	951599	
	Top plate SDS hose hook weld	Hab. sup. borne crochet soudé	905827	
24	SDS Hydraulic Door Assembly	Porte Hydraulique SDS	-	Refer to SDS Hyd. Door Assembly
25	Bracket U for SDS	Support en U de Borne SAT.	952478	



2.4.1 Q210 SDS HYDRAULIC DOOR

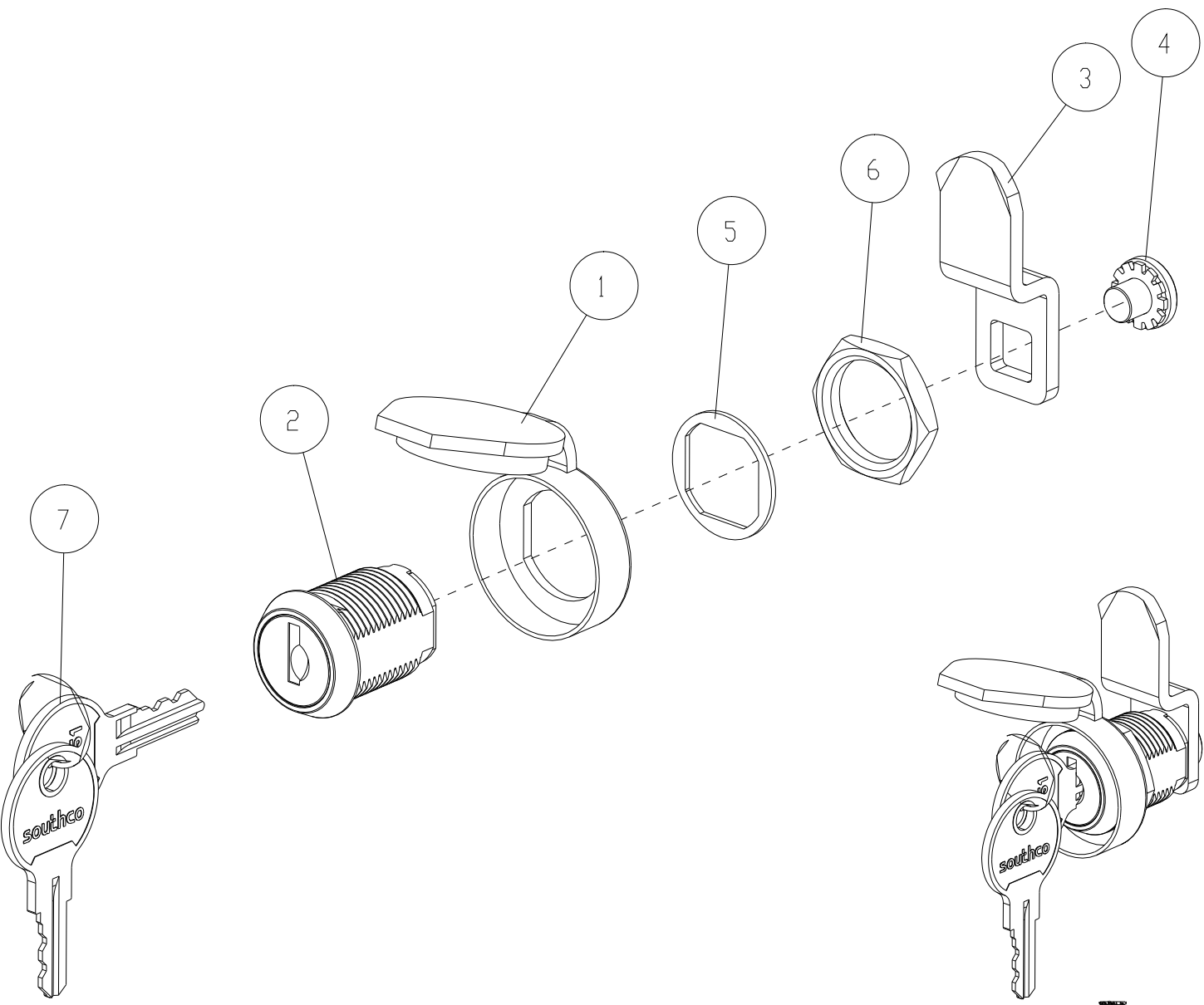
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Prev Torque M6	Ecrou Frein M6	900012-008	
2	Buffer - Rubber D8	Butee Caoutc D8	900593-001	
3	Pin - location Dia 6 / M6	Axe verrouillage	900595	
4	Lock Assembly	Asm Serrure	-	Refer to Lock Assembly
5	Cord Latch	Butee de Bequille	903276	Cord only
	Cord Latch	Butee de Bequille	904401	Cord and Earth
6	Seal Adhesif UH11369 lg 50	Joint Adhesif UH11369 lg 50	903793-001	
7	SDS Hydraulic Door	Porte Hydraulique Soudé SDS	905810	
	SDS Hydraulic Door SST	Porte Hydraulique Soudé SDS Inox	905812	Stainless Steel
	SDS Hydraulic Door ALU	Porte Hydraulique Soudé SDS ALU	951603	Aluminium
	Door hydraulic welded SDS Alu	Porte hydraulique soudé SDS Al	951601	Aluminium



2.5 Lock Assembly

2.5.1 LOCK ASSEMBLY - MANUFACTURED BEFORE JULY 2011

Item No	Description	Désignation Français	Part No	Comments
1	Washer Serr Lock Int M10	Rondelle a Dents DIC M10	900021-001	
2	Nut Hex 3/4 - 24 UNS	Ecrou Hex 3/4 - 24 UNS	900041-001	
3	Cap SOUTHCO 90-2 (Cover)	Bouchon SOUTHCO 90-2 (Chapeau)	900042	
4	Nut Hex M10 x 1.00 for Lock	Ecrou M10 x 1.00 pour Serrures	900043-001	
5	Lock Fort Securite	Serrure Fort Securite	900389	
6	Lock Cam Calculator Door	Came De Serrure Porte Calc	947639	Calculator Door
	Lock Cam Hydraulic Door	Came De Serrure Porte Hydr	946815	Hydraulic Door



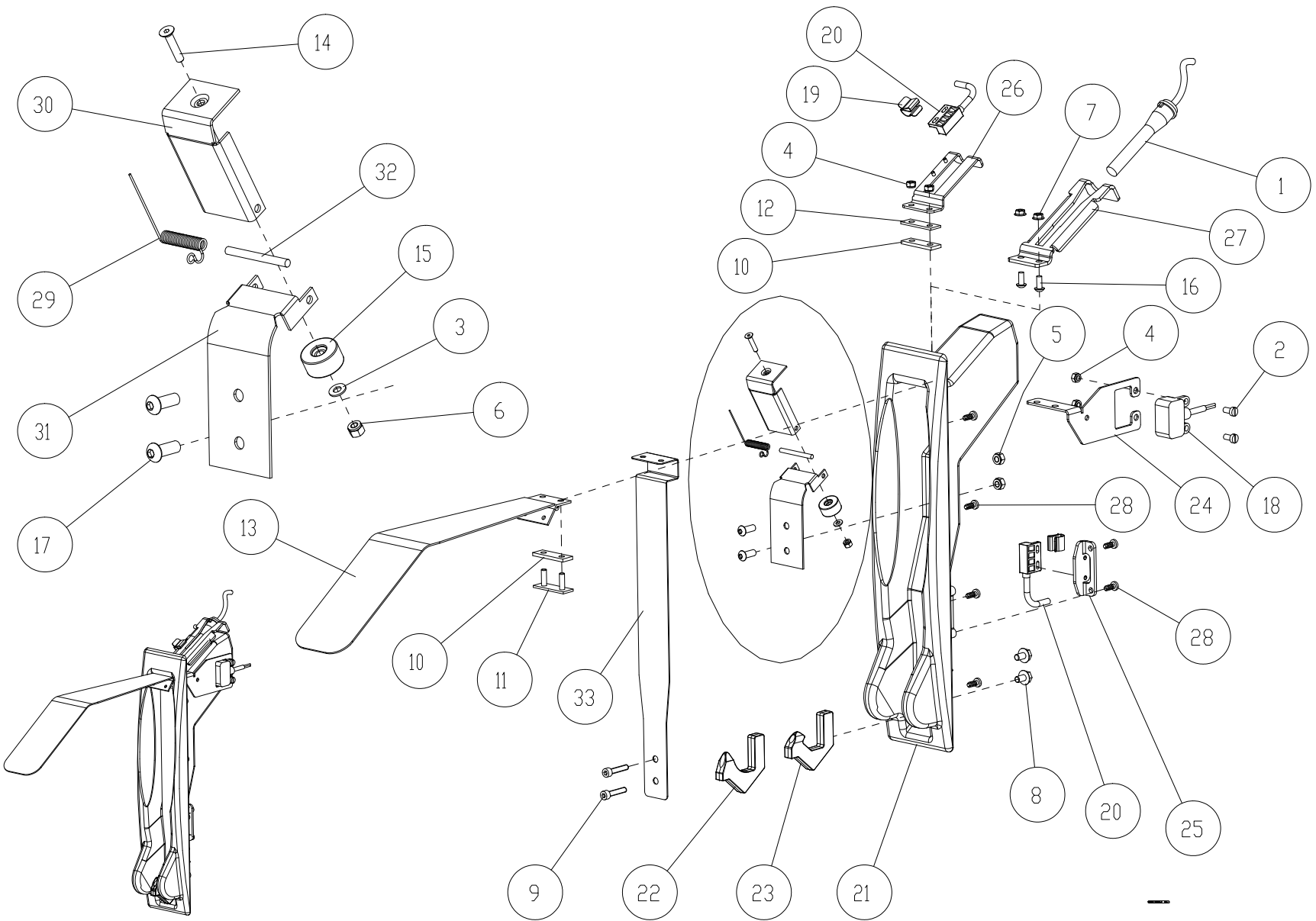
2.5.2 LOCK ASSEMBLY - MANUFACTURED AFTER JUNE 2011

Item No	Description	Désignation Français	Part No	Comments
1	Cap SOUTHCO 90-2 (Cover)	Bouchon SOUTHCO 90-2 (Chapeau)	900042	
2	Lock Barrel - Standard (Southco)	Serrure de Porte - Norme	949200	
3	Lock Cam Calc Door Q110/Q210	Came de Serrure	949206	Calculator Door
	Lock Cam Hyd Door Q110/Q210	Came de Serrure	949205	Hydraulic Door
4	Screw - Captive Flange (Southco)	Vis - Came Serrure Southco	949522	
5	Washer - Sealing Southco Lock	Rondelle - Serrure de Southco	949523	
6	Nut - Hex 3/4" (Southco)	Ecrou - Hex 3/4" (Southco)	949524	
7	Keys - Standard Lock	Clefs - Serrure Standard	949562	

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CONTENTS

3	HOSES & NOZZLES	3-2
3.1	Nozzle Boot Assembly.....	3-2
3.2	Hoses	3-6
3.2.1	Hook Hose System - 320cm Long Elaflex	3-6
3.2.2	Hook Hose System - 320cm Long Goodyear	3-7
3.2.3	Hook Hose System - 385cm Long	3-8
3.2.4	Spring Mast System - 424cm Long	3-10
3.2.5	Extra Long Hoses - 550cm Long	3-12
3.3	Nozzles	3-13
3.3.1	Elaflex ZVA2 Nozzles (Non-Secure).....	3-13
3.3.2	Elaflex ZVA25 Nozzles (Non-Secure).....	3-15
3.3.3	OPW Nozzles	3-15
3.3.4	Debowser Nozzle	3-15
3.4	Nozzle Extras	3-16
3.4.1	Nozzle Covers	3-16
3.4.2	Sleeves	3-17
3.4.3	ZvA2 Product Indication	3-17
3.4.4	ZVA2 Splashguards	3-18
3.4.5	Sleeve Breaks	3-19
3.4.6	Break Couplings	3-19



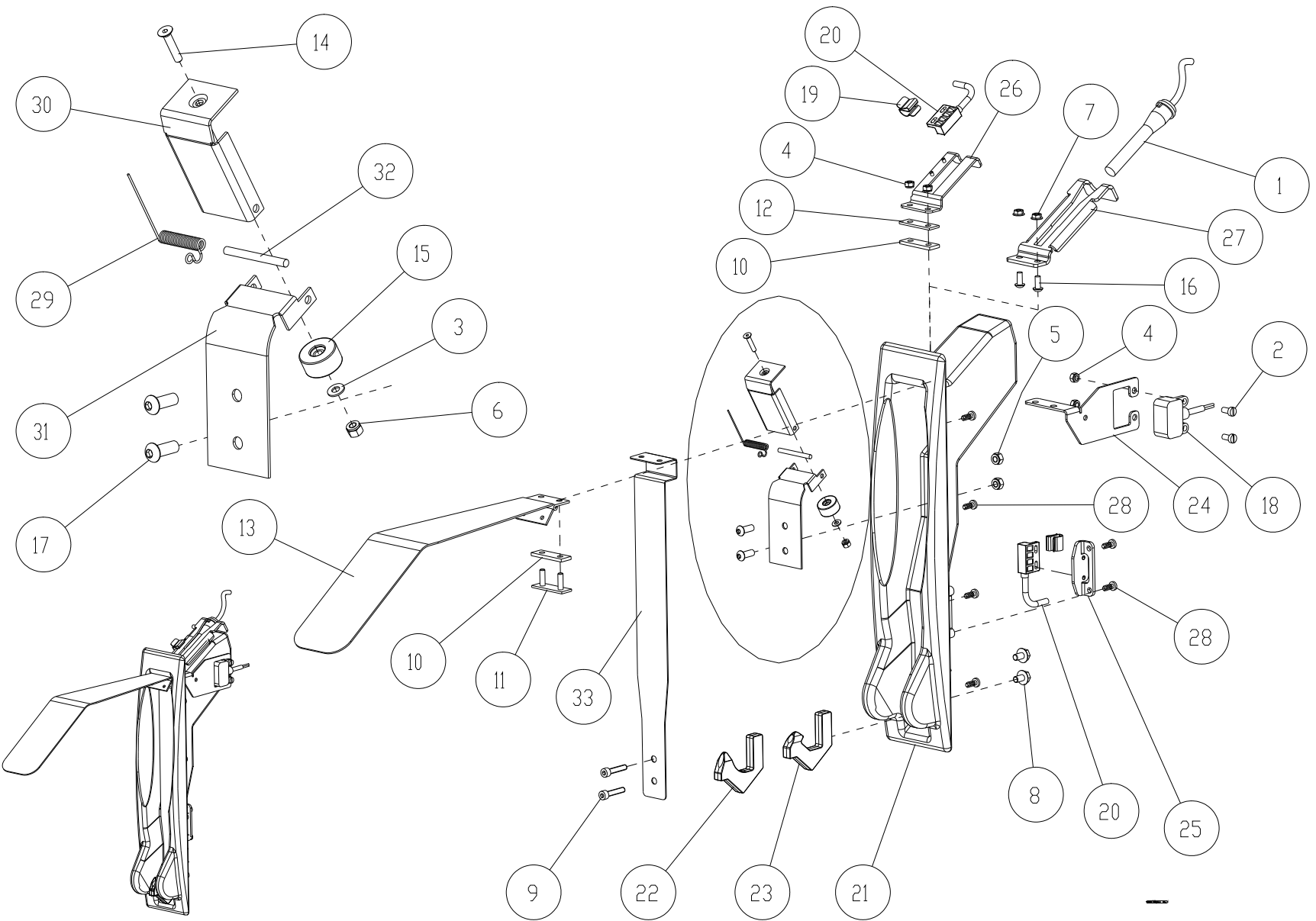
3 HOSES & NOZZLES

3.1 Nozzle Boot Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Nozzle Switch EEXD EECS Cert.	Contacteur EEXD EECS Cert.	5506000001	
2	Screw SCH M5x10	Vis CS M5x10	900007-004	
3	Washer PI M4	Rondelle PI M4	900008-009	
4	Nut Hex Prev Torque M5	Ecrou Frein M5	900012-002	
5	Nut Hex Prev Torque M6	Ecrou Frein M6	900012-003	
6	Nut Hex Prev Torque M4	Ecrou Frein M4	900012-004	
7	Nut Hex Self Lock M5	Ecrou Bride Autobloquant M5	900013-002	
8	Screw Hex Flange Head Selflock	Vis Hex Bride Autobloquant	900016	
9	Screw HSHC M5x25	Vis CHC M5x25	900017-010	
10	Gasket Prod. Ind. Flap	Joint Etanch Prod Ind. Volet	900375	
11	Fixing Plate Prod. Ind. Flap	Plaque Fix Prod Ind Volet	900376	
12	Plate Prod. Ind. Flap	Plaque Supp. Prod Ind Volet	900377	
13	Prod Ind Flap Cpl.	Volet Prod Inf Cpl.	900379	
14	Screw HSC M4 x 20	Vis FHC M4 x 20	900643-011	
15	Magnet 20X4,4X10	Aimant 20X4,4X10	900757-001	
16	Screw HSB M5x12	Vis CBHC M5x12	900795-001	
17	Screw HSB M6x16	Vis M6x16	900795-002	
18	Sensor Housing SATAM 230V	Capteur type SATAM 230V	904846	
19	Reed Switch Spring Clip	Ressort Fixation	907666	
20	Magnetic Proximity Switch Gen	Contact Magneti.q.de Proximité Gen	908172-001	
21	Nozzle Boot Slim	Buse Mince	909090	
22	Nozzle Boot Hook OPW	Crochet de bec OPW	940471	
23	Nozzle Boot Hook Secure	Cochet de bec Bloqué	940472	
24	Bracket Switch 230V	Support Commutateur 230V	940779	
25	Assy Bracket Lower Reed Switch	Asm Support Commutateur Inférieur	942423	
26	Assy Bracket Upper Reed Switch	Asm Support Commutateur Supérieur	940782	

(Cont.)





3.1 Nozzle Boot Assembly (Cont.)

Item No	Description	Désignation Français	Part No	Comments
27	Bracket Large Reed Switch	Support Grand Commutateur	940785	
28	Screw Poly 30 Posi Pan Dia 5x12	Vis Poly 30 Posi Pan Dia 5x12	940787-001	
29	Spring	Resort	942185	
30	Switch Plate	Support Commutateur	942186	
31	Bracket Switch Mechanism	Support Mécanisme Commutateur	942187	
32	Pin	Goupille	942188	
33	Nozzle Boot Blanking Sheet	Feuille Masquante NNB	942417	



3.2 Hoses



3.2.1 HOOK HOSE SYSTEM - 320CM LONG ELAFLEX

Part No	Description	Désignation Français	Comments
901103-031	Ø16mm, Slim, 320cm, Black, Black noz & col sleeves	Ø16mm, Slim, 320cm, Noir, Manchon buse & col noir	
901103-032	Ø21mm, Slim, 320cm, Black, Black noz & col sleeves	Ø21mm, Slim, 320cm, Noir, Manchon buse & col noir	
901103-033	Ø25mm, Slim, 320cm, Black	Ø25mm, Slim, 320cm, Noir	
901103-034	Ø16mm, Slim, 320cm, Black, Low temp, Noz & col slee	Ø16mm, Slim, 320cm, Noir, GF, Manchon buse & col n	Low temp hose
901103-035	Ø21mm, Slim, 320cm, Black, Low temp, Noz & col slee	Ø21mm, Slim, 320cm, Noir, GF, Manchon buse & col n	Low temp hose
901103-036	Ø25mm, Slim, 320cm, Black, Low temp	Ø25mm, Slim, 320cm, Noir, GF	Low temp hose
901103-037	Ø16mm, Slim, 320cm, Black, Biodiesel, Noz & col slee	Ø16mm, Slim, 320cm, Noir, Biodiesel, Manchon buse &	Biodiesel
901103-038	Ø21mm, Slim, 320cm, Black, Biodiesel, Noz & col slee	Ø21mm, Slim, 320cm, Noir, Biodiesel, Manchon buse &	Biodiesel
901103-039	Ø16mm, Std, 320cm, Red, Black noz & col sleeves	Ø16mm, Std, 320cm, Rouge, Manchon buse & col noir	
901103-040	Ø16mm, Std, 320cm, Green, Black noz & col sleeves	Ø16mm, Std, 320cm, Verte, Manchon buse & col noir	
901103-041	Ø16mm, Std, 320cm, Blue, Black noz & col sleeves	Ø16mm, Std, 320cm, Bleu, Manchon buse & col noir	
901103-042	Ø16mm, Std, 320cm, Yellow, Black noz & col sleeves	Ø16mm, Std, 320cm, Jaune, Manchon buse & col noir	
901103-150	Ø16mm, Std, 320cm, Black	Ø16mm, Std, 320cm, Noir	Steel/Bichromate coupling
901103-152	Ø21mm, Std, 320cm, Black	Ø21mm, Std, 320cm, Noir	Steel/Bichromate coupling

3.2.2 HOOK HOSE SYSTEM - 320CM LONG GOODYEAR

Part No	Description	Désignation Français	Comments
901103-069	Ø16mm, Std, 320cm, Black	Ø16mm, Std, 320cm, Noir	Brass/chrome coupling
901103-070	Ø19mm, Std, 320cm, Black	Ø19mm, Std, 320cm, Noir	
901103-071	Ø25mm, Std, 320cm, Black	Ø25mm, Std, 320cm, Noir	
901103-072	Ø16mm, Std, 320cm, Black, Black noz & col sleeves	Ø16mm, Std, 320cm, Noir, Manchon buse & col noir	
901103-073	Ø16mm, Std, 320cm, Black, Red noz & col sleeves	Ø16mm, Std, 320cm, Noir, Manchon buse & col rouge	
901103-074	Ø16mm, Std, 320cm, Black, Green noz & col sleeves	Ø16mm, Std, 320cm, Noir, Manchon buse & col verte	
901103-075	Ø16mm, Std, 320cm, Black, Blue noz & col sleeves	Ø16mm, Std, 320cm, Noir, Manchon buse & col bleu	
901103-076	Ø16mm, Std, 320cm, Black, Yellow noz & col sleeves	Ø16mm, Std, 320cm, Noir, Manchon buse & col jaune	
901103-077	Ø19mm, Std, 320cm, Black, Black noz & col sleeves	Ø19mm, Std, 320cm, Noir, Manchon buse & col noir	
901103-149	Ø16mm, Std, 320cm, Black	Ø16mm, Std, 320cm, Noir	Steel/Bichromate coupling
901103-151	Ø25mm, Std, 320cm, Black	Ø25mm, Std, 320cm, Noir	Steel/Bichromate coupling

3.2.3 HOOK HOSE SYSTEM - 385CM LONG

Part No	Hose Colour	Hose Dia	Hose Length	Hose Type	Anti kink sleeve column	Anti kink sleeve nozzle	Coupling column	Coupling nozzle	Manufacturer	Special Performance
901103-001	black	16mm	385cm	slimline	none	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-002	black	21mm	385cm	slimline	none	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-003	black	21mm	385cm	VR	none	standard lattice	M34x1.5 VR zamac	M34x1.5 VR zamac	Elaflex	standard
901103-004	black	16mm	385cm	slimline	none	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	Low Temp
901103-005	black	21mm	385cm	slimline	none	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	Low Temp
901103-006	black	21mm	385cm	VR	none	standard lattice	M34x1.5 VR zamac	M34x1.5 VR zamac	Elaflex	Low Temp
901103-007	black	16mm	385cm	slimline	none	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	BioDiesel
901103-008	black	21mm	385cm	slimline	none	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	BioDiesel
901103-009	red	21mm	385cm	VR	none	standard lattice	M34x1.5 VR zamac	M34x1.5 VR zamac	Elaflex	standard
901103-010	green	21mm	385cm	VR	none	standard lattice	M34x1.5 VR zamac	M34x1.5 VR zamac	Elaflex	standard
901103-011	red	16mm	385cm	standard	none	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-012	green	16mm	385cm	standard	none	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-013	blue	16mm	385cm	standard	none	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-014	yellow	16mm	385cm	standard	none	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-044	black	16mm	385cm	standard	none	none	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-045	black	19mm	385cm	standard	none	none	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-046	black	21mm	385cm	VR	none	none	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-047	black	21mm	385cm	VR	none	black	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-048	black	21mm	385cm	VR	none	red	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-049	black	21mm	385cm	VR	none	green	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-050	black	16mm	385cm	standard	none	black	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-051	black	16mm	385cm	standard	none	red	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-052	black	16mm	385cm	standard	none	green	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-053	black	16mm	385cm	standard	none	blue	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-054	black	16mm	385cm	standard	none	yellow	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-055	black	19mm	385cm	standard	none	black	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard

(CONT.)

3.2.3 HOOK HOSE SYSTEM - 385CM LONG (CONT.)

Part No	Hose Colour	Hose Dia	Hose Length	Hose Type	Anti kink sleeve column	Anti kink sleeve nozzle	Coupling column	Coupling nozzle	Manufacturer	Special Performance
901103-080	black	21mm	385cm	VR	none	blue	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-081	black	21mm	385cm	VR	none	yellow	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-117	black	25mm	385cm	standard	none	black	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-133	black	16mm	385cm	standard	none	none	1" BSP FE Steel/Bichromate	³ / ₄ " BSP MA steel/bichromate	Goodyear	standard
901103-134	black	16mm	385cm	standard	none	none	1" BSP FE Steel/Bichromate	³ / ₄ " BSP MA steel/bichromate	Elaflex	standard
901103-135	black	25mm	385cm	standard	none	none	1" BSP FE Steel/Bichromate	1" BSP MA steel/bichromate	Goodyear	standard
901103-136	black	21mm	385cm	standard	none	none	1" BSP FE Steel/Bichromate	1" BSP MA steel/bichromate	Elaflex	standard
901103-186	black	16mm	385cm	sl type 3	none	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-189	black	16mm	385cm	NM	standard lattice	none	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-192	black	19mm	385cm	VR	standard lattice	none	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-195	black	21mm	385cm	NM	none	none	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard

3.2.4 SPRING MAST SYSTEM - 424CM LONG

Part No	Hose Colour	Hose Dia	Hose Length	Hose Type	Anti kink sleeve column	Anti kink sleeve nozzle	Coupling column	Coupling nozzle	Manufacturer	Special Performance
901103-015	black	16mm	424cm	slimline	standard lattice	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-016	black	21mm	424cm	slimline	standard lattice	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-017	black	25mm	424cm	slimline	none	none	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-018	black	21mm	424cm	VR	standard lattice	standard lattice	M34x1.5 VR zamac	M34x1.5 VR zamac	Elaflex	standard
901103-019	black	16mm	424cm	slimline	standard lattice	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	Low Temp
901103-020	black	21mm	424cm	slimline	standard lattice	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	Low Temp
901103-021	black	25mm	424cm	slimline	none	none	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	Low Temp
901103-022	black	21mm	424cm	VR	standard lattice	standard lattice	M34x1.5 VR zamac	M34x1.5 VR zamac	Elaflex	Low Temp
901103-023	black	16mm	424cm	slimline	standard lattice	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	BioDiesel
901103-024	black	21mm	424cm	slimline	standard lattice	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	BioDiesel
901103-025	red	21mm	424cm	VR	standard lattice	standard lattice	M34x1.5 VR zamac	M34x1.5 VR zamac	Elaflex	standard
901103-026	green	21mm	424cm	VR	standard lattice	standard lattice	M34x1.5 VR zamac	M34x1.5 VR zamac	Elaflex	standard
901103-027	red	16mm	424cm	standard	standard lattice	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-028	green	16mm	424cm	standard	standard lattice	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-029	blue	16mm	424cm	standard	standard lattice	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-030	yellow	16mm	424cm	standard	standard lattice	standard lattice	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Elaflex	standard
901103-056	black	16mm	424cm	standard	none	none	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-057	black	19mm	424cm	standard	none	none	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-058	black	25mm	424cm	standard	none	none	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-059	black	21mm	424cm	VR	none	none	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-060	black	21mm	424cm	VR	standard lattice	standard lattice	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-061	black	21mm	424cm	VR	red	red	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-062	black	21mm	424cm	VR	green	green	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard

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3.2.4 SPRING MAST SYSTEM - 424CM LONG (CONT.)

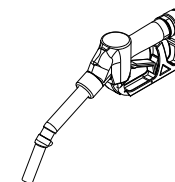
Part No	Hose Colour	Hose Dia	Hose Length	Hose Type	Anti kink sleeve column	Anti kink sleeve nozzle	Coupling column	Coupling nozzle	Manufacturer	Special Performance
901103-063	black	16mm	424cm	standard	black	black	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-064	black	16mm	424cm	standard	red	red	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-065	black	16mm	424cm	standard	green	green	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-066	black	16mm	424cm	standard	blue	blue	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-067	black	16mm	424cm	standard	yellow	yellow	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-068	black	19mm	424cm	standard	black	black	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-082	black	21mm	424cm	VR	blue	blue	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-083	black	21mm	424cm	VR	yellow	yellow	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-137	black	16mm	424cm	standard	none	none	1" BSP FE steel/bichromate	1" BSP MA steel/bichromate	Goodyear	standard
901103-138	black	16mm	424cm	standard	none	none	1" BSP FE steel/bichromate	1" BSP MA steel/bichromate	Elaflex	standard
901103-139	black	25mm	424cm	standard	none	none	1" BSP FE steel/bichromate	1" BSP MA steel/bichromate	Goodyear	standard
901103-140	black	21mm	424cm	standard	none	none	1" BSP FE steel/bichromate	1" BSP MA steel/bichromate	Elaflex	standard
901103-187	black	16mm	424cm	GM	none	none	1" BSP FE steel/bichromate	1" BSP FE steel/bichromate	Goodyear	standard
901103-191	black	16mm	424cm	NM	standard lattice	none	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-194	black	19mm	424cm	VR	standard lattice	none	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-197	black	21mm	424cm	NM	none	none	1" BSP FE brass/chrome	1" BSP FE brass/chrome	Goodyear	standard
901103-237	black	16mm	424cm	slimline	standard lattice	standard lattice	1" BSP FE Al/Ni/Chrome	1" BSP FE Al/Ni/Chrome	Elaflex	Ethanol

3.2.5 EXTRA LONG HOSES - 550CM LONG

Part No	Hose Colour	Hose Dia	Hose Length	Hose Type	Anti kink sleeve column	Anti kink sleeve nozzle	Coupling column	Coupling nozzle	Manufacturer	Special Performance
901103-128	black	21mm	550cm	slimline	none	standard lattice	1" BSP FE Brass/Chrome	1" BSP FE Brass/Chrome	Elaflex	standard
901103-129	black	16mm	550cm	slimline	none	standard lattice	1" BSP FE Brass/Chrome	1" BSP FE Brass/Chrome	Elaflex	standard
901103-130	black	16mm	550cm	standard	none	none	1" BSP FE Brass/Chrome	1" BSP FE Brass/Chrome	Goodyear	standard
901103-131	black	19mm	550cm	standard	none	none	1" BSP FE Brass/Chrome	1" BSP FE Brass/Chrome	Goodyear	standard
901103-132	black	25mm	550cm	standard	none	none	1" BSP FE Brass/Chrome	1" BSP FE Brass/Chrome	Goodyear	standard
901103-141	black	16mm	550cm	standard	none	none	1" BSP FE Steel/Bichromate	1/4" BSP MA Steel/Bichromate	Goodyear	standard
901103-142	black	25mm	550cm	standard	none	none	1" BSP FE Steel/Bichromate	1" BSP MA Steel/Bichromate	Goodyear	standard
901103-143	black	16mm	550cm	standard	none	none	1" BSP FE Steel/Bichromate	1/4" BSP MA Steel/Bichromate	Elaflex	standard
901103-144	black	21mm	550cm	standard	none	none	1" BSP FE Steel/Bichromate	1" BSP MA Steel/Bichromate	Elaflex	standard
901103-159	black	16mm	550cm	slimline	none	standard lattice	1" BSP FE Brass/Chrome	1" BSP FE Brass/Chrome	Elaflex	BioDiesel
901103-160	black	21mm	550cm	slimline	none	standard lattice	1" BSP FE Brass/Chrome	1" BSP FE Brass/Chrome	Elaflex	BioDiesel
901103-188	black	16mm	550cm	GM	none	standard lattice	1" BSP FE Steel/Bichromate	1" BSP FE Steel/Bichromate	Goodyear	standard
901103-201	black	16mm	550cm	NM	standard lattice	none	1" BSP FE Brass/Chrome	1" BSP FE Brass/Chrome	Goodyear	standard
901103-202	black	19mm	550cm	VR	standard lattice	none	M34x1.5 VR zamac	M34x1.5 VR zamac	Goodyear	standard
901103-203	black	21mm	550cm	NM	none	none	1" BSP FE Brass/Chrome	1" BSP FE Brass/Chrome	Goodyear	standard

3.3 Nozzles

3.3.1 ELAFLEX ZVA2 NOZZLES (NON-SECURE)

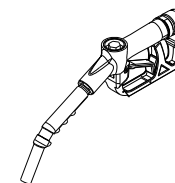


Part No	Speed (l/min)	Fuel	VR	Coupling	Break	Grip EK038	Scuffguard EK044	Product Ind. Sleeve EK043	Special
945126-001	40	unleaded	none	1"male	none	Black	Black	Black	
945126-002	40	unleaded	none	1"male	non-reusable	Black	Black	Black	
945126-003	40	unleaded	none	1"male	reusable	Black	Black	Black	
945126-004	40	leaded/diesel	none	1"male	none	Black	Black	Black	
945126-005	40	leaded/diesel	none	1"male	non-reusable	Black	Black	Black	
945126-006	40	leaded/diesel	none	1"male	reusable	Black	Black	Black	
945126-007	80	unleaded	none	1"male	none	Black	Black	Black	
945126-008	80	unleaded	none	1"male	non-reusable	Black	Black	Black	
945126-009	80	unleaded	none	1"male	reusable	Black	Black	Black	
945126-010	80	leaded/diesel	none	1"male	none	Black	Black	Black	
945126-011	80	leaded/diesel	none	1"male	non-reusable	Black	Black	Black	
945126-012	80	leaded/diesel	none	1"male	reusable	Black	Black	Black	
945126-013	40	diesel	none	1"male	none	Black	Black	Black	Dripstop
945126-014	40	diesel	none	1"male	non-reusable	Black	Black	Black	Dripstop
945126-015	40	diesel	none	1"male	reusable	Black	Black	Black	Dripstop
945126-016	40	diesel	none	1"male	none	Black	Black	Black	Dripstop, 5L/Min on Nozzle (UK only)
945126-017	40	diesel	none	1"male	non-reusable	Black	Black	Black	Dripstop, 5L/Min on Nozzle (UK only)
945126-018	40	diesel	none	1"male	reusable	Black	Black	Black	Dripstop, 5L/Min on Nozzle (UK only)
945126-019	40	diesel	Non-GRVP	1"male	none	Black	Black	Black	No Vapour Valve
945126-020	40	unleaded	Non-GRVP	1"male	none	Black	Green	Green	No Vapour Valve
945126-021	40	leaded	Non-GRVP	1"male	none	Black	Green	Green	On/Off vapour valve
945126-022	40	unleaded	Non-GRVP	1"male	none	Black	Green	Green	On/Off vapour valve
945126-023	40	leaded	GRVP	1"male	none	Black	Green	Green	Proportional vapour valve

(CONT.)

3.3.1 ELAFLEX ZVA2 NOZZLES (NON-SECURE) CONT.

Part No	Speed (l/min)	Fuel	VR	Coupling	Break	Grip EK038	Scuffguard EK044	Product Ind. Sleeve EK043	Special
945126-024	40	unleaded	GRVP	1"male	none	Black	Green	Green	
945126-025	40	unleaded	none	1"male	none	Light Blue	Light Blue	Light Blue	
945126-026	40	unleaded	none	1"male	non-reusable	Light Blue	Light Blue	Light Blue	
945126-027	40	unleaded	none	1"male	reusable	Light Blue	Light Blue	Light Blue	
945126-028	40	leaded/diesel	none	1"male	none	Dark Blue	Dark Blue	Dark Blue	
945126-029	40	leaded/diesel	none	1"male	non-reusable	Dark Blue	Dark Blue	Dark Blue	
945126-030	40	leaded/diesel	none	1"male	reusable	Dark Blue	Dark Blue	Dark Blue	
945126-031	80	unleaded	none	1"male	none	Light Blue	Light Blue	Light Blue	
945126-032	80	unleaded	none	1"male	non-reusable	Light Blue	Light Blue	Light Blue	
945126-033	80	unleaded	none	1"male	reusable	Light Blue	Light Blue	Light Blue	
945126-034	80	leaded/diesel	none	1"male	none	Dark Blue	Dark Blue	Dark Blue	
945126-035	80	leaded/diesel	none	1"male	non-reusable	Dark Blue	Dark Blue	Dark Blue	
945126-036	80	leaded/diesel	none	1"male	reusable	Dark Blue	Dark Blue	Dark Blue	
945126-037	40	unleaded	Non-GRVP	1"male	none	Light Blue	Light Blue	Light Blue	No Vapour Valve
945126-038	40	unleaded	Non-GRVP	1"male	none	Light Blue	Light Blue	Light Blue	On/Off vapour valve
945126-039	40	diesel	none	1"male	none	Dark Blue	Dark Blue	Dark Blue	Dripstop
945126-040	40	diesel	none	1"male	non-reusable	Dark Blue	Dark Blue	Dark Blue	Dripstop
945126-041	40	diesel	none	1"male	reusable	Dark Blue	Dark Blue	Dark Blue	Dripstop
945126-042	40	diesel	none	1"male	none	Dark Blue	Dark Blue	Dark Blue	Dripstop, 5L/Min on Nozzle (UK only)
945126-043	40	diesel	none	1"male	non-reusable	Dark Blue	Dark Blue	Dark Blue	Dripstop, 5L/Min on Nozzle (UK only)
945126-044	40	diesel	none	1"male	reusable	Dark Blue	Dark Blue	Dark Blue	Dripstop, 5L/Min on Nozzle (UK only)



3.3.2 ELAFLEX ZVA25 NOZZLES (NON-SECURE)

Part No	Speed (l/min)	Fuel	VR	Coupling	Break	Grip EK038	Scuffguard EK044	Product Ind. Sleeve EK043	Special
901135-013	80/130	diesel	none	1"male	reusable	Black	Black	N/A	
901135-022	80/131	diesel	none	1"male	none	Black	Black	N/A	
901135-044	80/132	diesel	none	1"male	none	Black	Black	N/A	
901135-047	80/133	diesel	none	1"male	reusable	Black	Black	N/A	
901135-086	80/134	diesel	none	1"male	non-reusable	Black	Black	N/A	

3.3.3 OPW NOZZLES

Part No	Speed (l/min)	Fuel	VR	Coupling	Break	Grip	Nozzle cover	Magnet	Tip/Spout	Special
901852-001	40	unleaded	none	3/4" female	none	Black	Black	none	standard	latch & spring
901852-002	40	leaded	none	3/4" female	none	Black	Black	none	standard	latch & spring
901852-003	40	unleaded	none	3/4" female	none	Black	Black	none	standard	
901852-004	40	leaded	none	3/4" female	none	Black	Black	none	standard	
901852-005	40	diesel	none	3/4" female	none	Black	Black	none	standard	Dripless latch & spring
901852-006	40	diesel	none	3/4" female	none	Black	Black	none	standard	Dripless
901852-007	80/130	diesel	none	1" female	none	Black	Black	none	standard	1" latch & spring
901852-009	40	unleaded	none	3/4" female	none	Green	Green	none	standard	latch & spring
901852-010	40	unleaded	none	3/4" female	none	Black	Black	none	standard	latch & spring
901852-011	40	unleaded	none	3/4" female	none	Green	Green	none	standard	
901852-012	40	leaded/diesel	none	3/4" female	none	Black	Black	none	standard	

3.3.4 DEBOWSER NOZZLE

Part No	Speed (l/min)	Fuel	VR	Coupling	Break	Grip	Nozzle cover	Magnet	Tip/Spout	Special
901852-001	40	unleaded	none	3/4" female	none	Black	Black	none	standard	latch & spring

3.4 Nozzle Extras

3.4.1 NOZZLE COVERS



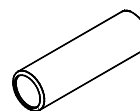
Elaflex ZVA2 Nozzle Scuffguard

Part No	Description	Désignation Français
945127-001	ZVA2 Scuffguard EK044 Black	ZVA2 Garde d'Usure EK044 Noir
945127-002	ZVA2 Scuffguard EK044 Blue	ZVA2 Garde d'Usure EK044 Bleu
945127-003	ZVA2 Scuffguard EK044 Dark Blue	ZVA2 Garde d'Usure EK044 Bleu-Foncé
945127-004	ZVA2 Scuffguard EK044 Green	ZVA2 Garde d'Usure EK044 Vert
945127-005	ZVA2 Scuffguard EK044 Light Green	ZVA2 Garde d'Usure EK044 Vert-Clair
945127-006	ZVA2 Scuffguard EK044 Light Blue	ZVA2 Garde d'Usure EK044 Bleu-Clair
945127-007	ZVA2 Scuffguard EK044 Orange	ZVA2 Garde d'Usure EK044 Orange
945127-008	ZVA2 Scuffguard EK044 Red	ZVA2 Garde d'Usure EK044 Rouge
945127-009	ZVA2 Scuffguard EK044 Silver/Grey	ZVA2 Garde d'Usure EK044 Argent/Gris
945127-010	ZVA2 Scuffguard EK044 White	ZVA2 Garde d'Usure EK044 Blanc
945127-011	ZVA2 Scuffguard EK044 Yellow	ZVA2 Garde d'Usure EK044 Jaune
945127-012	ZVA2 Scuffguard EK044 Cyan	ZVA2 Garde d'Usure EK044 Cyan
945127-013	ZVA2 Scuffguard EK044 Gold	ZVA2 Garde d'Usure EK044 Or

OPW Nozzle Covers

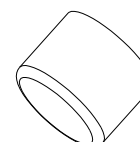
Part No	Description	Désignation Français
901853-001	Nozzle Cover OPW/19/Hole/Yellow	Protecteur de Buse OPW/19/Hole/Jaune
901853-002	Nozzle Cover OPW/19/Hole/Green	Protecteur de Buse OPW/19/Hole/Vert
901853-003	Nozzle Cover OPW/19/Hole/Red	OPW/19/Hole/Rouge
901853-004	Nozzle Cover OPW/19/Hole/Blue	Protecteur de Buse OPW/19/Hole/Bleu
901853-005	Nozzle Cover OPW/19/Hole/Black	Protecteur de Buse OPW/19/Hole/Noir
901853-006	Nozzle Cover OPW/19/No Hole/Yellow	Hole/Jaune
901853-007	Nozzle Cover OPW/19/Nohole/Green	OPW/19/Nohole/Vert
901853-008	Nozzle Cover OPW/19/Nohole/Red	OPW/19/Nohole/Rouge
901853-009	Nozzle Cover OPW/19/Nohole/Blue	OPW/19/Nohole/Bleu
901853-010	Nozzle Cover OPW/19/Nohole/Black	OPW/19/Nohole/Noir
901853-011	Nozzle Cover OPW/25/Hole/Black	Protecteur de Buse OPW/25/Hole/Noir
901853-012	Nozzle Cover OPW/25/Nohole/Black	OPW/25/Nohole/Noir

3.4.2 SLEEVES



Part No	Description	Désignation Français
909295-001	Sleeve CS16 Red	Gaine Flex. CS16 Rouge
909295-002	Sleeve CS16 Green	Gaine Flex. CS16 Verte
909295-003	Sleeve CS16 Blue	Gaine Flex. CS16 Bleue
909295-004	Sleeve CS16 Yellow	Gaine Flex. CS16 Jaune
909295-005	Sleeve CS16 Black	Gaine Flex. CS16 Noire
909295-006	Sleeve CS21 Red	Gaine Flex. Coax. CS21 R.V. Rouge
909295-007	Sleeve CS21 Green	Gaine Flex. Coax. CS21 R.V. Verte
909295-008	Sleeve CS21 Blue	Gaine Flex. Coax. CS21 R.V. Bleue
909295-009	Sleeve CS21 Black	Gaine Flex. Coax. CS21 R.V. Noire
909295-010	Sleeve CS21 Yellow	Gaine Flex. Coax. CS21 R.V. Jaune
909295-011	Sleeve CS16 Orange	Gaine Flex. CS16 R.V. Orange
909295-012	Sleeve CS21 Orange	Gaine Flex. Coax. CS21 R.V. Orange
909295-013	Sleeve CS16 White	Gaine Flex. CS16 Blanc
909295-014	Sleeve CS21 White	Gaine Flex. Coax. CS21 R.V. Blanc
909295-015	Sleeve CS16 Dark Blue BP	Gaine Flex. CS16 Bleu-Foncé BP
909295-016	Sleeve CS16 Light Blue BP	Gaine Flex. CS16 Bleu-Clair BP
909295-017	Sleeve CS21 Dark Blue BP	Gaine Flex. CS21 Bleu-Foncé BP
909295-018	Sleeve CS21 Light Blue BP	Gaine Flex. CS21 Bleu-Clair BP
909295-019	Sleeve CS16 Cyan ESSO	Gaine Flex. CS16 Cyan ESSO
909295-020	Sleeve CS21 Cyan ESSO	Gaine Flex. CS21 Cyan ESSO
909295-021	Sleeve CS16 Light Green	Gaine Flex. CS16 Vert-Clair
909295-022	Sleeve CS21 Light Green	Gaine Flex CS21 Vert-Clair
909295-023	Sleeve CS16 Gold	Gaine Flex. CS16 Or
909295-024	Sleeve CS21 Gold	Gaine Flex CS21 Or

3.4.3 ZVA2 PRODUCT INDICATION



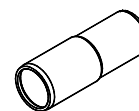
Part No	Description	Désignation Français
945128-001	Prod. Ind. Sleeve EK043 Black	Douille d'Ind. De Produit EK043 Noir
945128-002	Prod. Ind. Sleeve EK043 Blue	Douille d'Ind. De Produit EK043 Bleu
945128-003	Prod. Ind. Sleeve EK043 Dark Blue	Douille d'Ind. De Produit EK043 Bleu-Foncé
945128-004	Prod. Ind. Sleeve EK043 Green	Douille d'Ind. De Produit EK043 Vert
945128-005	Prod. Ind. Sleeve EK043 Light Green	Douille d'Ind. De Produit EK043 Vert-Clair
945128-006	Prod. Ind. Sleeve EK043 Light Blue	Douille d'Ind. De Produit EK043 Bleu-Clair
945128-007	Prod. Ind. Sleeve EK043 Orange	Douille d'Ind. De Produit EK043 Orange
945128-008	Prod. Ind. Sleeve EK043 Red	Douille d'Ind. De Produit EK043 Rouge
945128-009	Prod. Ind. Sleeve EK043 Silver/Grey	Douille d'Ind. De Produit EK043 Argent/Gris
945128-010	Prod. Ind. Sleeve EK043 White	Douille d'Ind. De Produit EK043 Blanc
945128-011	Prod. Ind. Sleeve EK043 Yellow	Douille d'Ind. De Produit EK043 Jaune
945128-012	Prod. Ind. Sleeve EK043 Cyan	Douille d'Ind. De Produit EK043 Cyan
945128-013	Prod. Ind. Sleeve EK043 Gold	Douille d'Ind. De Produit EK043 Or

3.4.4 ZVA2 SPLASHGUARDS



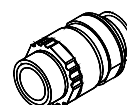
Part No	Description	Désignation Français
945129-001	ZVA2 Splashguard SG652 Black	ZVA2 Garde d'Eclaboussure SG652 Noir
945129-002	ZVA2 Splashguard SG652 Blue	ZVA2 Garde d'Eclaboussure SG652 Bleu
945129-003	ZVA2 Splashguard SG652 Dark Blue	ZVA2 Garde d'Eclaboussure SG652 Bleu-Foncé
945129-004	ZVA2 Splashguard SG652 Green	ZVA2 Garde d'Eclaboussure SG652 Vert
945129-005	ZVA2 Splashguard SG652 Light Green	ZVA2 Garde d'Eclaboussure SG652 Vert-Clair
945129-006	ZVA2 Splashguard SG652 Light Blue	ZVA2 Garde d'Eclaboussure SG652 Bleu-Clair
945129-007	ZVA2 Splashguard SG652 Orange	ZVA2 Garde d'Eclaboussure SG652 Orange
945129-008	ZVA2 Splashguard SG652 Red	ZVA2 Garde d'Eclaboussure SG652 Rouge
945129-009	ZVA2 Splashguard SG652 Silver/Grey	ZVA2 Garde d'Eclaboussure SG652 Argent/Gris
945129-010	ZVA2 Splashguard SG652 White	ZVA2 Garde d'Eclaboussure SG652 Blanc
945129-011	ZVA2 Splashguard SG652 Yellow	ZVA2 Garde d'Eclaboussure SG652 Jaune
945129-012	ZVA2 Splashguard SG652 Ulimite Unleaded Green (UK)	ZVA2 Garde d'Eclaboussure SG652 Ultimate Unleaded Vert (UK)
945129-013	ZVA2 Splashguard SG652 Ulimite Diesel Dark Blue (UK)	ZVA2 Garde d'Eclaboussure SG652 Ultimate Unleaded Bleu-Foncé (UK)
945129-014	ZVA2 Splashguard SG652 Ulimite Unleaded Light Blue (FR)	ZVA2 Garde d'Eclaboussure SG652 Ultimate Unleaded Bleu-Clair (FR)
945129-015	ZVA2 Splashguard SG652 Ulimite Diesel Dark Blue (FR)	ZVA2 Garde d'Eclaboussure SG652 Ultimate Diesel Bleu-Foncé (FR)
945129-016	ZVA2 Splashguard SG652 Ulimite Unleaded Light Blue (ESP)	ZVA2 Garde d'Eclaboussure SG652 Ultimate Unleaded Bleu-Clair (ESP)
945129-017	ZVA2 Splashguard SG652 Ulimite Diesel Dark Blue (ESP)	ZVA2 Garde d'Eclaboussure SG652 Ultimate Diesel Bleu-Foncé (ESP)
945129-018	ZVA2 Splashguard SG652 Ulimite Unleaded (Dripstop) Light Blue (CAT)	ZVA2 Garde d'Eclaboussure SG652 Ultimate Unleaded (Dripstop) Bleu-Clair (CAT)
945129-019	ZVA2 Splashguard SG652 Ulimite Unleaded (Dripstop) Dark Blue (CAT)	ZVA2 Garde d'Eclaboussure SG652 Ultimate Diesel (Dripstop) Bleu-Foncé (CAT)
945129-020	ZVA2 Splashguard SG652 Cyan	ZVA2 Garde d'Eclaboussure SG652 Cyan
945129-021	ZVA2 Splashguard SG652 Gold	ZVA2 Garde d'Eclaboussure SG652 Or

3.4.5 SLEEVE BREAKS



Part No	Description	Désignation Français
901140-001	Sleeve Break BT16 Red	Gaine Flex Rac Cass BT16 Rouge
901140-002	Sleeve Break BT16 Green	Gaine Flex Rac Cass BT16 Vert
901140-003	Sleeve Break BT16 Blue	Gaine Flex Rac Cass BT16 Bleu
901140-004	Sleeve Break BT16 Yellow	Gaine Flex Rac Cass BT16 Jaune
901140-005	Sleeve Break BT16 Black	Gaine Flex Rac Cass BT16 Noir
901140-006	Sleeve Break BT21 Red	Gaine Flex Rac Cass BT21 Rouge
901140-007	Sleeve Break BT21 Green	Gaine Flex Rac Cass BT21 Vert
901140-008	Sleeve Break BT21 Black	Gaine Flex Rac Cass BT21 Noir
901140-009	Sleeve Break BT21 Blue	Gaine Flex Rac Cass BT21 Bleu
901140-010	Sleeve Break BT21 Yellow	Gaine Flex Rac Cass BT21 Jaune
901140-011	Sleeve Break BT16 Silver/Grey	Gaine Flex Rac Cass BT16 Argent/Gris
901140-012	Sleeve Break BT21 Silver/Grey	Gaine Flex Rac Cass BT21 Argent/Gris
901140-013	Sleeve Break BT16 Orange	Gaine Flex Rac Cass BT16 Orange
901140-014	Sleeve Break BT21 Orange	Gaine Flex Rac Cass BT21 Orange
901140-015	Sleeve Break BT16 White	Gaine Flex Rac Cass BT16 Blanc
901140-016	Sleeve Break BT21 White	Gaine Flex Rac Cass BT21 Blanc
901140-017	Sleeve Break BT16 Light Blue BP	Gaine Flex Rac Cass BT16 Bleu Clair BP
901140-018	Sleeve Break BT21 Light Blue BP	Gaine Flex Rac Cass BT21 Bleu Clair BP
901140-019	Sleeve Break BT16 Dark Blue BP	Gaine Flex Rac Cass BT16 Bleu-Foncé BP
901140-020	Sleeve Break BT21 Dark Blue BP	Gaine Flex Rac Cass BT21 Bleu-Foncé BP
901140-021	Sleeve Break BT16 Cyan ESSO	Gaine Flex Rac Cass BT16 Cyan ESSO
901140-022	Sleeve Break BT21 Cyan ESSO	Gaine Flex Rac Cass BT21 Cyan ESSO
901140-023	Sleeve Break BT16 Light Green	Gaine Flex Rac Cass BT16 Vert-Clair
901140-024	Sleeve Break BT21 Light Green	Gaine Flex Rac Cass BT21 Vert-Clair
901140-025	Sleeve Break BT16 Gold	Gaine Flex Rac Cass BT16 Or
901140-026	Sleeve Break BT21 Gold	Gaine Flex Rac Cass BT21 Or

3.4.6 BREAK COUPLINGS



Part No	Description	Désignation Français
901137-001	Break Coupling 1" Male BS7117	Raccord Cassant 1" Mâle BS7117
901137-002	Break Coupling 1" Male Non BS7117	Raccord Cassant 1" Mâle Non BS7117
901137-003	Break Coupling 1" Male Non Reuseable	Raccord Cassant 1" Mâle Non Reutilisable
901137-004	Break Coupling 1" Male H.S. Reuseable	Raccord Cassant 1" Mâle G.D. Reutilisable
901568-001	Break Coupling VR	Raccord Cassant RV
901568-002	Break Coupling VR Non Reuseable	Raccord Cassant RV Non Reutilisable
901137-004	Break Coupling 1" Male SSB25	Raccord Cassant 1" Male SSB25

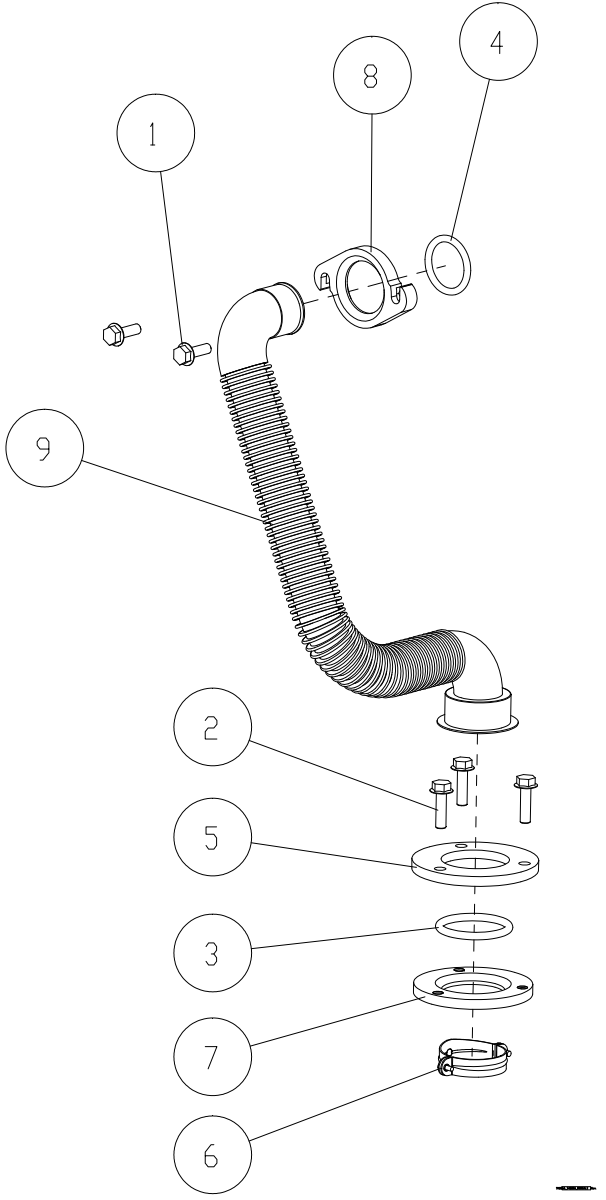
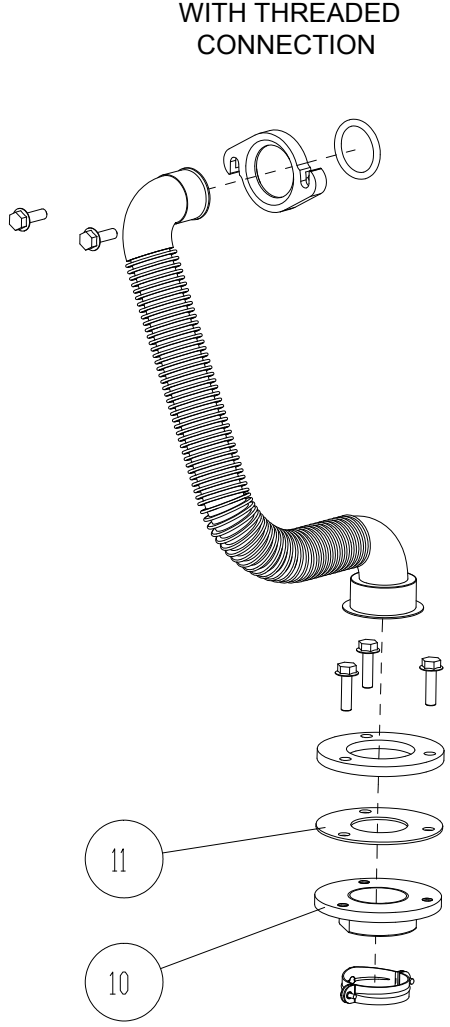
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CONTENTS

4	DISPENSER HYDRAULICS	4-2
4.1	Flexible Pipe Connections	4-2
4.1.1	EPZ (TQR-RS) Flexible Pipe Connections - Manufactured Before March 2012	4-2
4.1.2	EPZ (TQP-RS) Flexible Pipe Connections - Manufactured After February 2012	4-4
4.1.3	PAS V3 (TQP-HS) Flexible Pipe Connections	4-6
4.1.4	Submerged Flexible Pipe Connections	4-8
4.2	Filter Assembly	4-10
4.3	Hydraulic Stack Assemblies	4-12
4.3.1	EPZ (TQP-RS) Hydraulic Stack	4-12
4.3.2	PAS V3 (TQP-HS) Hydraulic Stack - Manufactured Before September 2010	4-16
4.3.3	TQP-HS (PAS V3) Hydraulic stack - Manufactured After August 2010	4-20
4.4	Hand Crank Assembly	4-24
4.5	Pipe Assemblies - Manufactured Before July 2013	4-26
4.5.1	Meter A2 to Hose H1 and Meter B1 Hose H4 (Standard)	4-26
4.5.2	Meter A2 to Hose H1 and Meter B1 to Hose H4 (With Valve)	4-28
4.5.3	Meter A2 Hose H1 and Meter B1 to Hose H4 (With VR)	4-30
4.5.4	Meter A2 to Hose H1 and Meter B1 to Hose H4 (With Satellite) - Manufactured Before March 2012	4-32
4.5.5	Meter A2 to Hose H1 and Meter B1 to Hose H4 (With Satellite) - Manufactured after February 2012	4-35
4.5.6	Meter A2 to Hose H1 (PAS V3 80LPM)	4-36
4.5.7	Meter B2 to Hose H4	4-38
4.5.8	Meters A2/B2 to Hose H1	4-40
4.5.9	Meters A2/B2 to Hose H1 - Submerged	4-42
4.5.10	Meters A2/B2 to Hose H1 with Satellite - Manufactured Before December 2010	4-44
4.5.11	Meters A2/B2 to Hose H1 with Satellite - Manufactured After November 2010	4-46
4.5.12	Meters A2/B2 to Hose H1 With Satellite - Manufactured After February 2012	4-48
4.5.13	Meters A2/B2 to Hose H1 With Satellite - Submerged	4-50
4.5.14	Meters A2/B2 to Hose H1/H4 - Manufactured Before March 2012	4-52
4.5.15	Meters A2/B2 to Hoses H1/H4 - Manufactured After February 2012	4-54
4.5.16	Meters A2/B2 to Hose H1/H4 with Satellite - Manufactured Before December 2010	4-56
4.5.17	Meters A2/b2 to Hoses H1/H4 With Satellite - Manufactured After November 2010	4-60
4.5.18	Meters A2/B2 to Hoses H1/H4 With Satellite - Manufactured After February 2012	4-64
4.5.19	Q210 SDS Pipe Assembly	4-66
4.6	Pipe Assemblies - Manufactured After June 2013	4-68
4.6.1	Meter A2 to Hose H1 and Meter B1 to Hose H4 (Standard)	4-68
4.6.2	Meter to A2 Hose H1 and Meter B1 to Hose H4 (With VR)	4-70
4.6.3	Meter A2 to Hose H1 and Meter B1 to Hose H4 (With Satellite)	4-72
4.6.4	Meter A2 to Hose H1 (PASV3 80LPM)	4-74
4.6.5	Meters A2/B2 to Hose H1	4-76
4.6.6	Meters A2/B2 to Hose H1 - Submerged	4-78

4.6.7	Meters A2/B2 to Hose H1 With Satellite.	4-80
4.6.8	Meters A2/B2 to Hose H1 With Satellite - Submerged.	4-82
4.6.9	Meters A2/B2 to Hoses H1/H4	4-84
4.6.10	Meters A2/B2 to Hoses H1/H4 With Satellite.	4-86
4.7	Q210 Debowser	4-88
4.8	Submerged Hydraulics	4-90
4.9	Pipe Nut Assemblies	4-92
4.10	Valve & Fittings Assemblies	4-94
4.10.1	Sib Valve Assemblies.	4-94
4.10.2	Danfoss Valve Assemblies.	4-96
4.10.3	ASCO Valve Assemblies	4-98
4.10.4	High Flow ASCO Valves.	4-100
4.10.5	Inline Valve Assemblies.	4-102
4.10.6	ACV Valve Assemblies	4-104
4.11	Air Vent Pipe Assemblies.	4-106

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4 DISPENSER HYDRAULICS

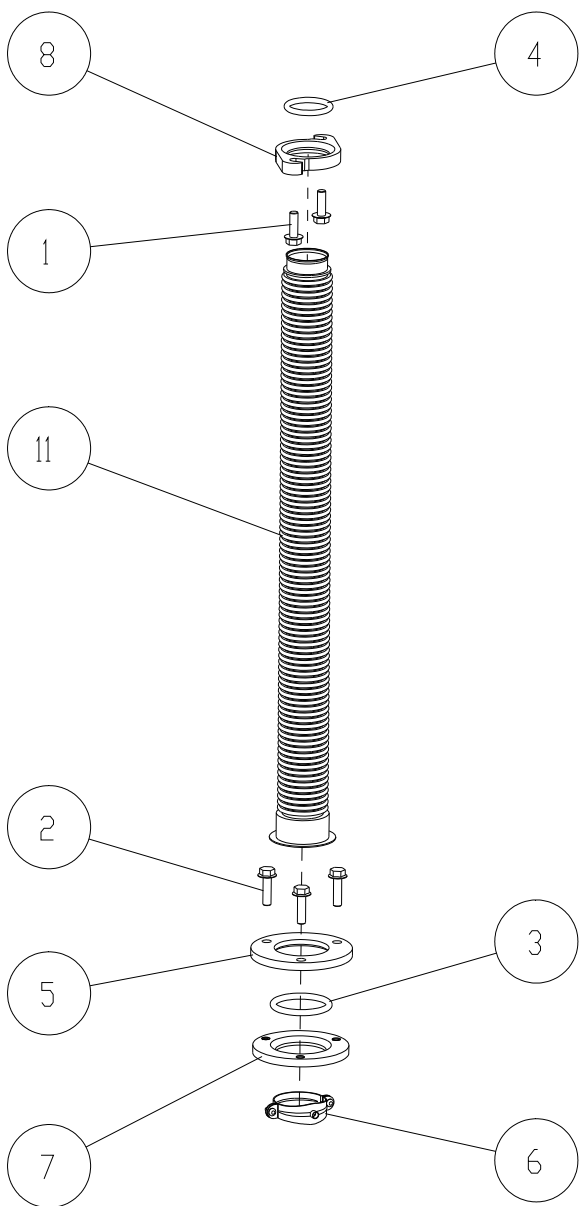
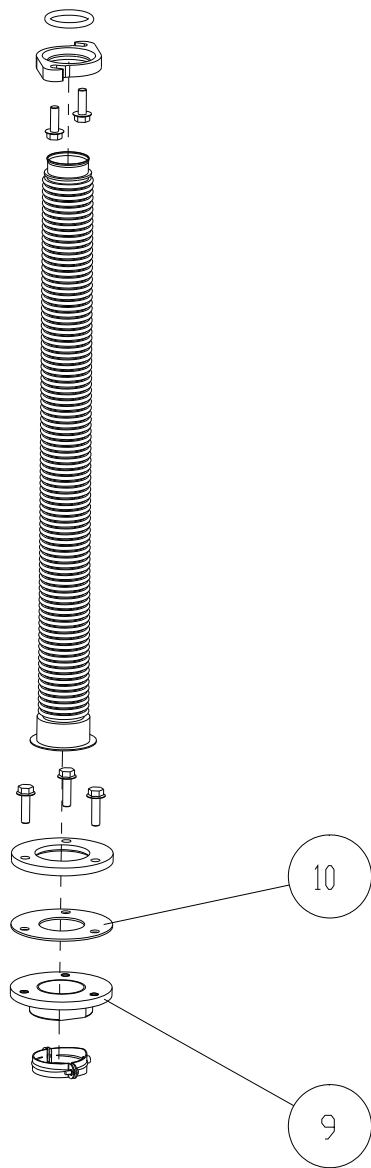
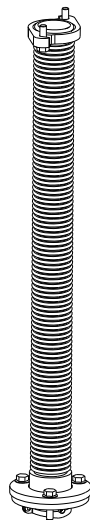
4.1 Flexible Pipe Connections

4.1.1 EPZ (TQR-RS) FLEXIBLE PIPE CONNECTIONS - MANUFACTURED BEFORE MARCH 2012

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8 x 25	Vis Hex Br Autobl M8 x 25	900016-007	
2	Screw HFHSL M8 x 30	Vis Hex Br Autobl M8 x 30	900016-008	
3	O-ring 49.00 x 6.00	Joint Torique 49.00 x 6.00	900050-028	
4	O-Ring 37.47 x 5.33	Joint Torique 37.47 x 5.33	900050-047	
5	Flange Backing	Contre Bride	901902	
6	Terminal Earth Cable	Collier de Masse D50	901903	
7	Flange Backing for O-ring	Contre Bride pour Joint Torique	901906	
8	Junction Flange	Bride de Jonction	903535	
9	Flexi Pipe 32MM Bore EPZ	Flexi Pipe 32MM Bore EPZ	948305	
10	Flange Backing 1-1/2" Threaded	Bride de Backing 1-1/2" Threaded	948831	
11	Gasket - Flange	Joint de bride	948832	

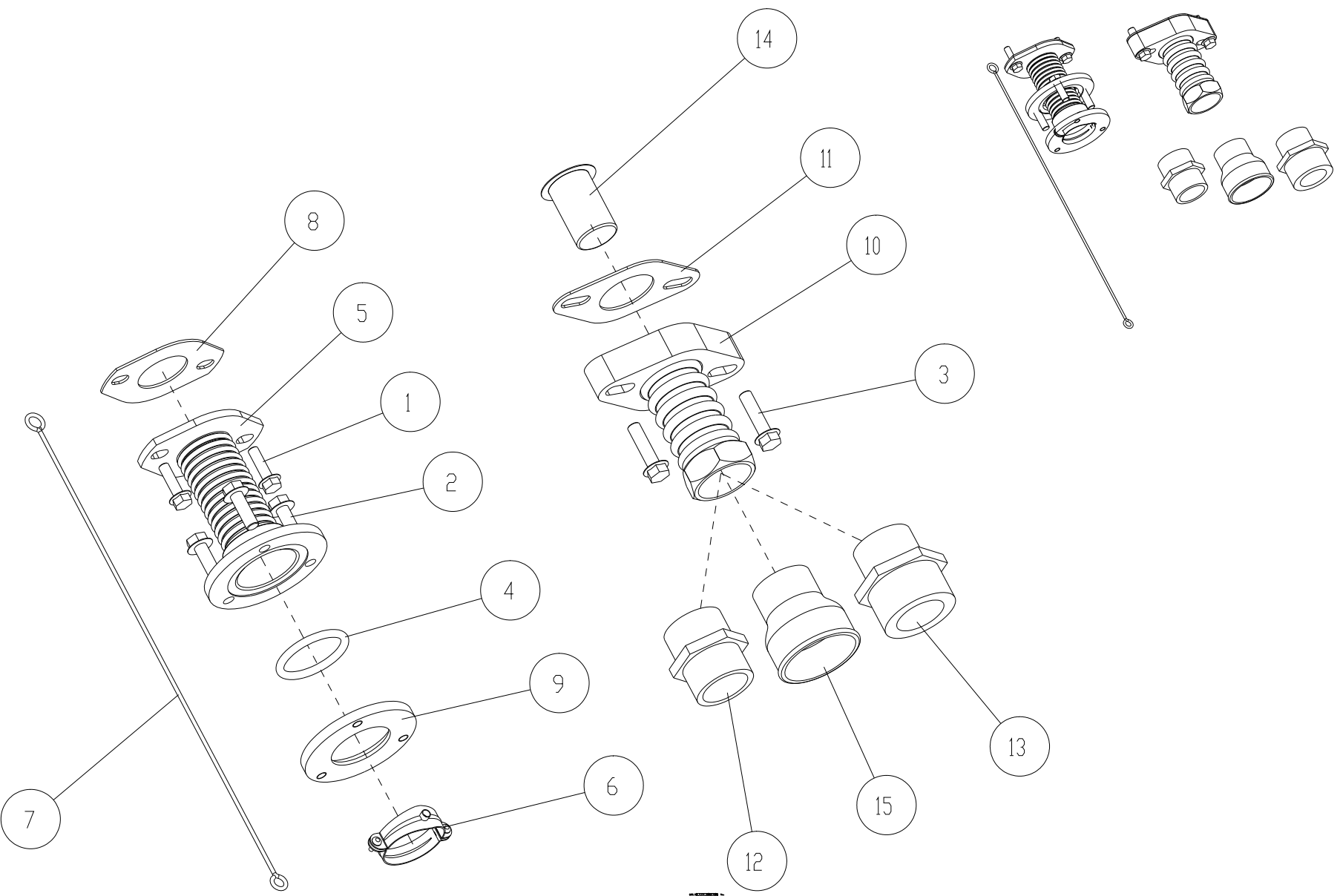


WITH THREADED
CONNECTION



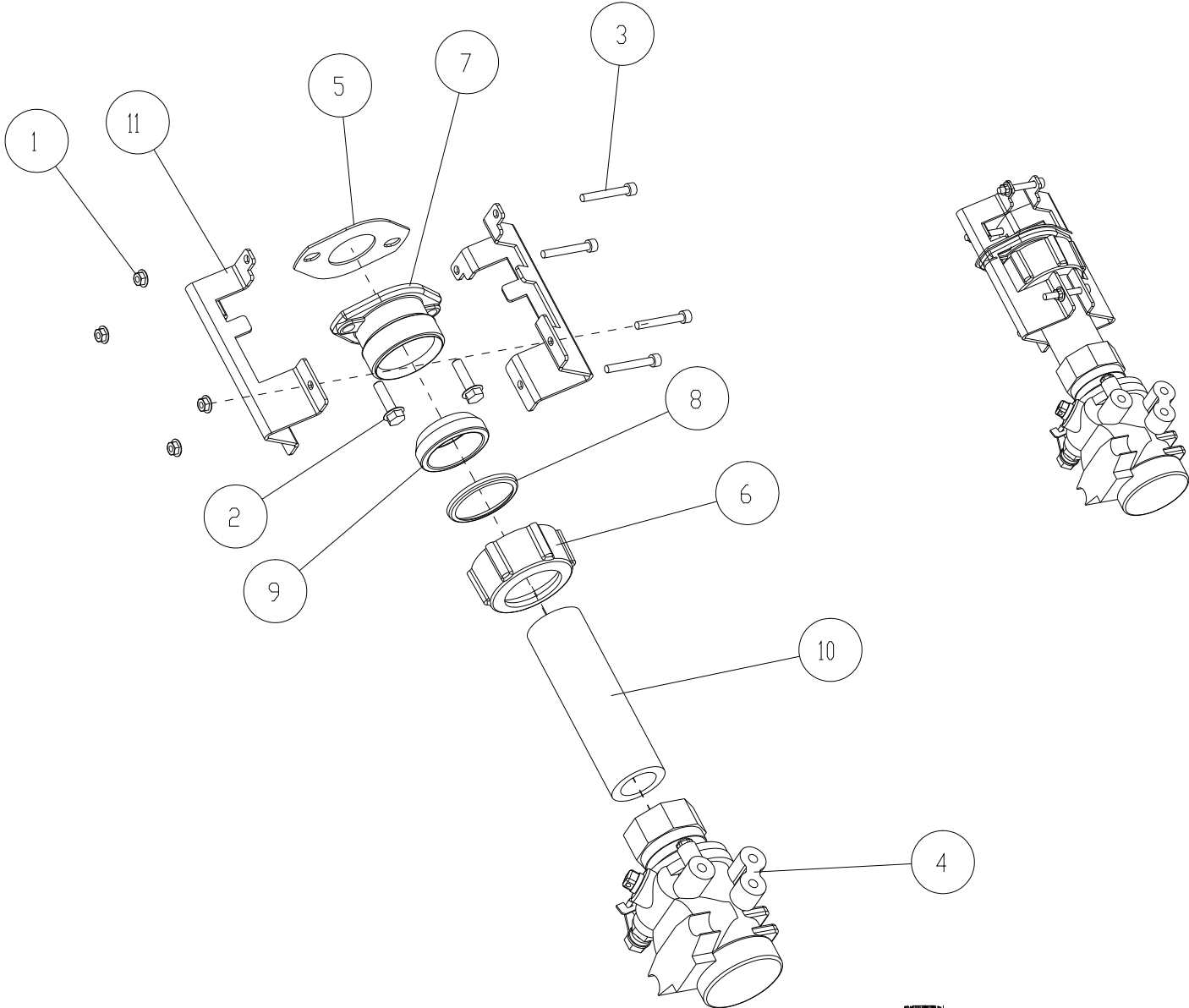
4.1.2 EPZ (TQP-RS) FLEXIBLE PIPE CONNECTIONS - MANUFACTURED AFTER FEBRUARY 2012

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	Screw HFHSL M8x30	Vis Hex Br Autobl M8x30	900016-008	
3	O-ring 49.00x6.00	Joint Torique 49.00x6.00	900050-028	
4	O-Ring 37.47x5.33	Joint Torique 37.47x5.33	900050-047	
5	Flange Backing	Bride Contre	901902	
6	Terminal Earth Cable	Collier de Masse	901903	
7	Flange Backing for O-Ring	Bride Contre pour Joint Torique	901906	
8	Junction Flange	Bride de Jonction	903535	
9	Flange Backing 1-1/2" Threaded	Bride Contre 1-1/2"	948831	
10	Gasket - Flange	Joint de Bride	948832	
11	Flexi Pipe 1 1/2" for EPZ	Flexi Pipe 1 1/2" bore EPZ	951584	



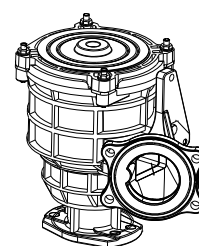
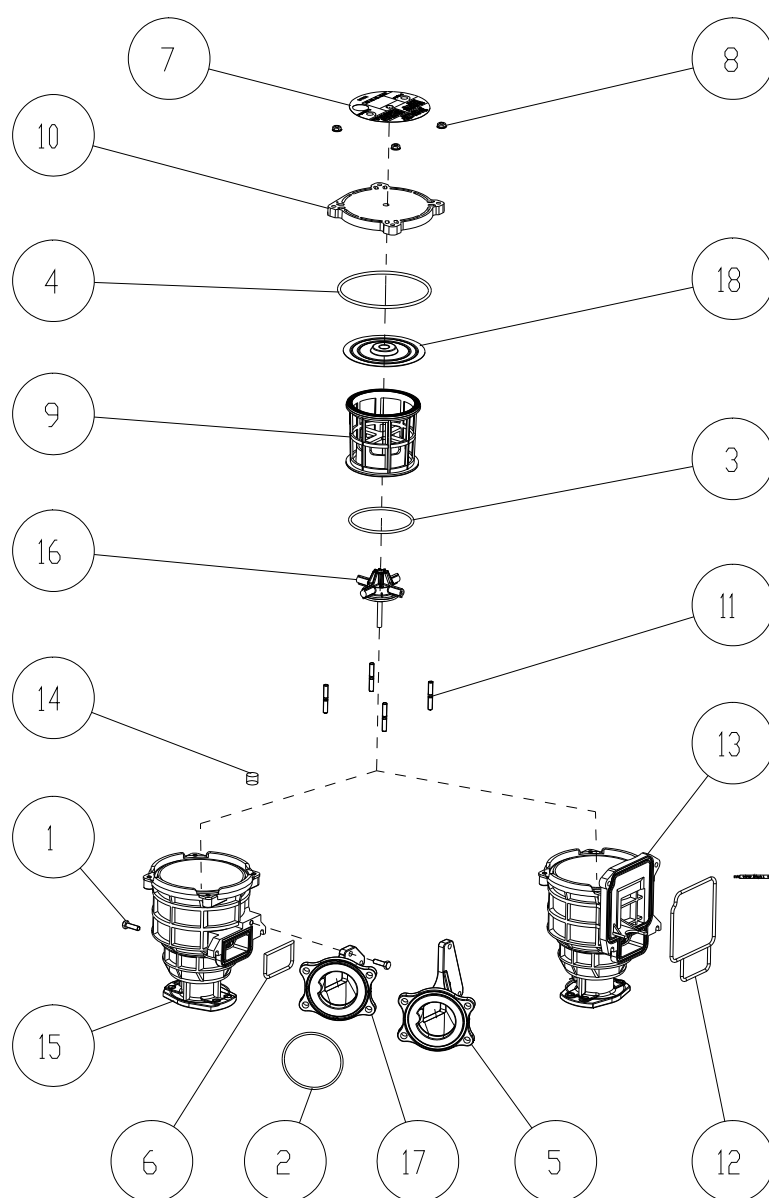
4.1.3 PAS V3 (TQP-HS) FLEXIBLE PIPE CONNECTIONS

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x30	Vis Hex Br Autobl M8x30	900016-008	
2	Screw HFHSL M10x30	Vis Hex Br Autobl M10x30	900016-017	
3	Screw HFHSL M10x40	Vis Hex Br Autobl M10x40	900016-018	
4	O-ring 49.00x6.00	Joint Torique 49.00x6.00	900050-028	
5	Pipe Flex Weld Assy	Tube d'Aspiration Soude	901900	
6	Terminal Earth Cable	Collier de Masse D50	901903	
7	Earthwire	Fil de Mise a la Terre	901904	
8	Gasket - Flange 76-84	Joint de Bride 76-84	901905	
9	Flange Backing for O-ring	Contre-bride pour JointTorique	901906	
10	Assy flexwell 1 1/2" Female	Tube d'Aspiration Soude	901929	
11	Gasket - Flange 82-110	Joint de Bride 82-110	901930	
12	R11/2" x R11/2" Nipple	Machon R11/2" x R11/2"	902212-002	
13	R11/2" x R2" Nipple	Machon R11/2" x R2"	902212-003	
14	Filter in line	Filtre	902964	
15	Socket M/F 11/2" x 2"	Machon M/F 11/2" x 2"	903466-001	



4.1.4 SUBMERGED FLEXIBLE PIPE CONNECTIONS

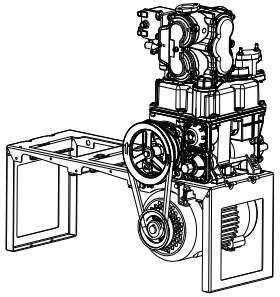
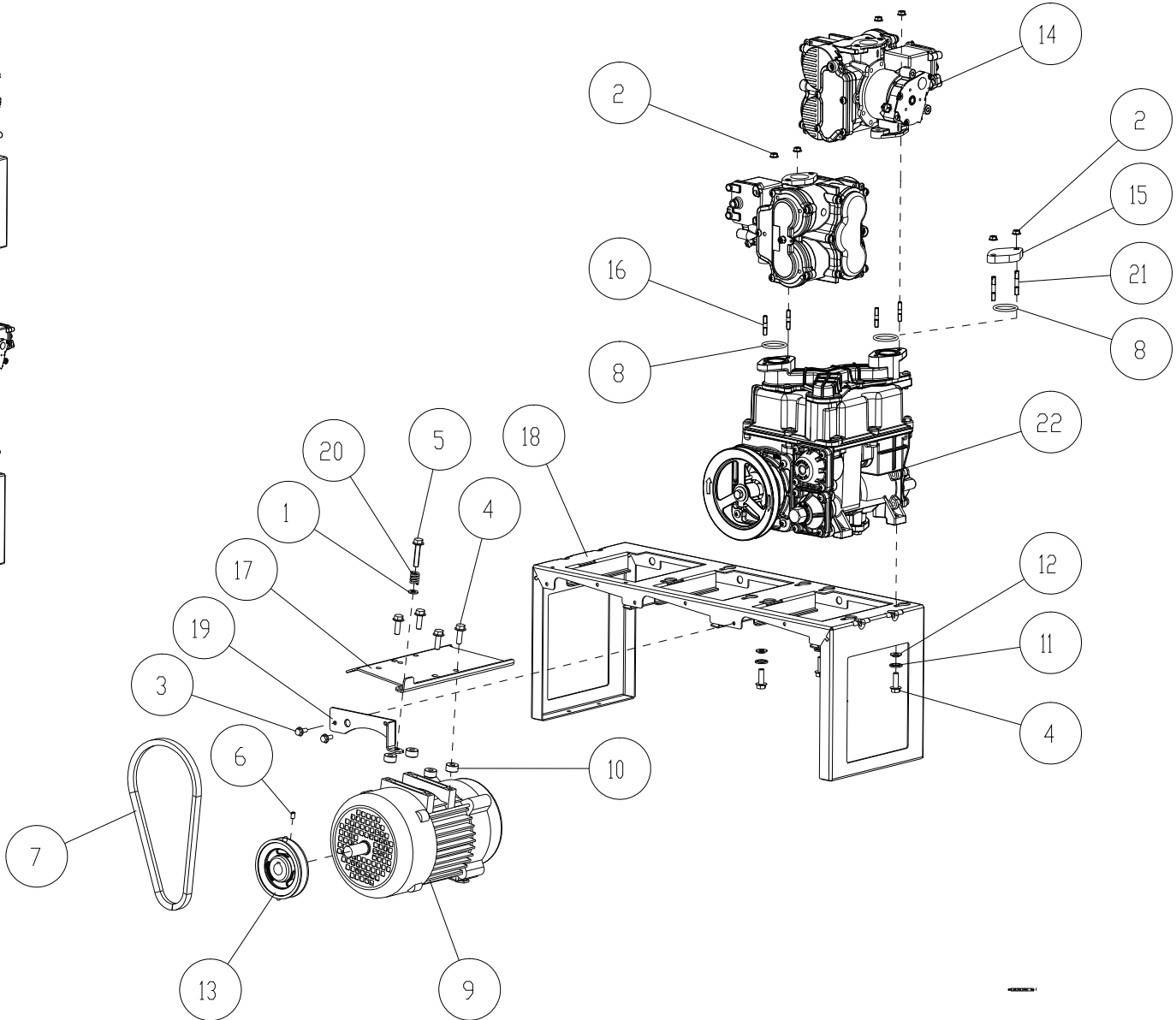
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
2	Screw HFHSL M8x30	Vis Hex Br Autobl M8x30	900016-016	
3	Screw HSHC	Vis CHC M6x40	900017-09	
4	Shear Valve	Raccord Cassant	901108	Country specific
	Shear Valve	Raccord Cassant	949397	
5	Gasket - Flange 76-84	Joint de Bride 76-84	901905	
6	Nut - NEFIT Coupling	Ecrou Raccord NEFIT	902863	
7	Body - NEFIT Coupling	Corps Raccord NEFIT	902864	
8	Washer - NEFIT Seal	Rondelle Joint NEFIT	902865	
9	Sealing Ring - NEFIT Coupling	Joint Raccord NEFIT	902866	
10	Pipe NEFIT Adapter	Tube Connexion NEFIT	903583	
11	Filterpot Clamp	Bride de Filtre	940826	



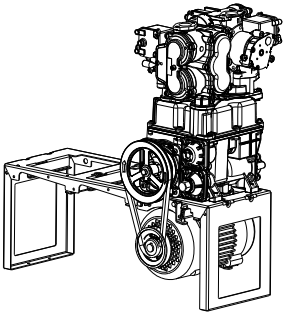
**FILTER MONITOR
OPTION**

4.2 Filter Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Screw HH M6x20	Vis H M6x20	900015-010	
2	O-Ring 78,00x3,00	Joint Torique 78,00x3,00	900050-008	EPZ/TQP-RS
3	O-Ring 82,14x3,53	Joint Torique 82,14x3,53	900050-025	
4	O-Ring 120.00 x 4.00	Joint Torique 120.00 x 4.00	900050-027	Ethanol & Low Temp Low Temperature
	O-Ring 120.00 x 4.00	Joint Torique 120.00 x 4.00	900050-086	
	O-Ring 120.00 x 4.00	Joint Torique 120.00 x 4.00	900050-096	
5	Adaptor EPZ-Filterbox	Adaptateur EPZ-Boite de Filtre	900358	EPZ/TQP-RS
6	O-ring Filterbox	Joint de Filtre	900635	EPZ/TQP-RS
7	Sticker Filterbox Cover	Autocollant Couvercle Boite de	900636	Low Temperature
	Sticker Filterbox Cover	Autocollant Couvercle Boite de	900636-002	
8	Nut Hex Serpress M6	Ecrou Serpress M6	901295-001	
9	Filter 90 microns	Filtre 90 microns	901612	Standard
	Filter 25 microns	Filtre 25 microns	901613	Option
	Filter 12 microns	Filtre 12 microns	901614	Option
10	Filterbox Cover	Couvercle Boite de Filtre	901694	Ethanol
	Filterbox Cover E85	Couvercle Boite de Filtre E85	940213	
11	Stud M6x40 (18-4-18)	Goujon M6x40 (18-4-18)	901695	
12	O-ring Filterbox Support	Joint Platine BAF	902388	PAS V3
13	Filterbox	Boite de Filtre	902398	PAS V3
14	Cover - Adapted	Couvercle - Adapte	903473	
15	Filterbox	Boite de Filtre	909769	EPZ/TQP-RS
	Filterbox E85	Boite de Filtre E85	941256	EPZ/TQP-RS Ethanol
16	Footvalve Filterbox	Clapet Filterbox	943260	EPZ/PAS V3
	Footvalve Filterbox Sub.	Clapet Filterbox Immerge	949489	Submerged
17	Adaptor Filterbox Light	Adaptateur Boite Filtre Light	943292	EPZ/TQP-RS
	Adaptor Filterbox Light E85	Adaptat. Boite Filtre Light E85	943293	EPZ/TQP-RS Ethanol
18	Spring plate	Plaque ressort	948807	Ethanol
	Spring Plate E85	Plaque Supp. Equipee E85	940206	



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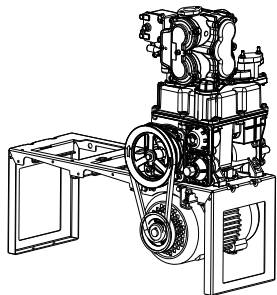
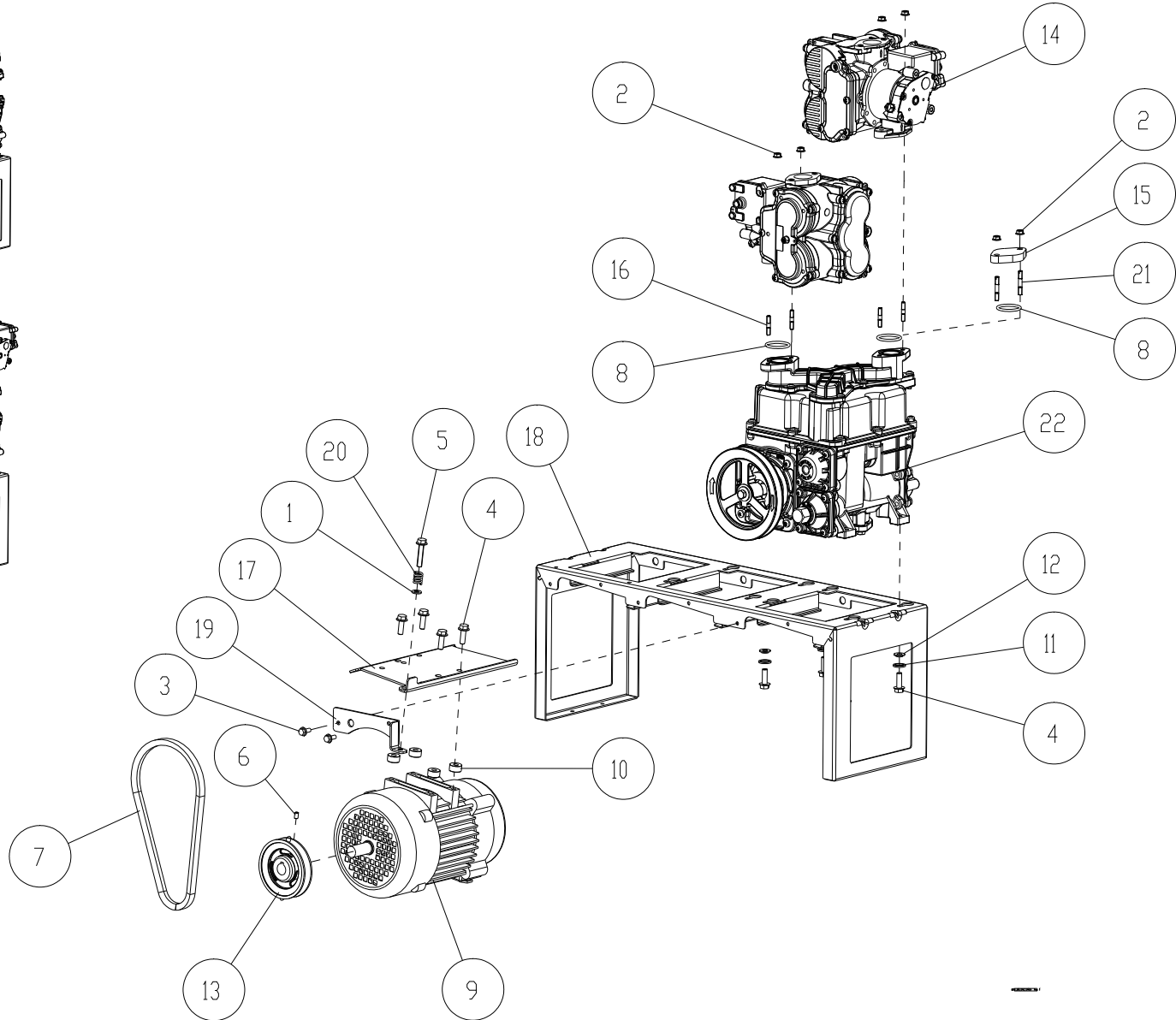


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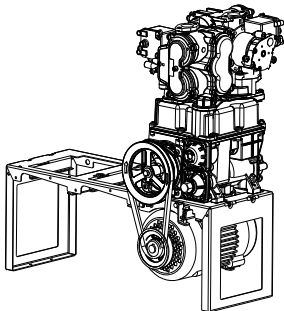
4.3 Hydraulic Stack Assemblies

4.3.1 EPZ (TQP-RS) HYDRAULIC STACK

Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M8	Rondelle PI M8	900008-005	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
4	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
5	Screw HFHSL M8x40	Vis Hex Br Autobl M8x40	900016-019	
6	Screw HSS Cup Point M6x10	Vis HCCU M6x10	900019-001	
7	V-Belt - 13 x 8 x 720 Lp	Courroie - 13 x 8 x 720 Lp	900028-005	
8	O-Ring 34.10 x 3.60	Joint Torique 34.10 x 3.60	900050-019	
9	Motor 0.65kW 3PH Star 400V Motor EXD 1kW star 400V 12clk Motor 0.65kW 3PH Star 400V SSR Motor Elnor 1 Ph 1Kw CCW Rot Motor Elnor 1PH 740w Int. caps Motor EXD 1ph 60Hz 1kWCCW MOTOR EXD 1kW DELTA 230V 12CL	Moteur 0.65kW 3PH Star 400V Moteur EXD 1kW star 400V 12clk Motor 0.65kW 3PH Star 400V SSR Moteur Elnor 1 Ph 1Kw CCW Rot Motor Elnor 1PH 740w Int. caps Moteur EXD Rael 1ph 60Hz MOT EXD 1kW DELTA 230V 12CL	949913-001 900060-002 949913-010 942700-002 951893-002 900060-013 900068-002	After October 2014
10	Spacer - Motor	Entretoise Moteur	900396	
11	Dowty Seal Self Centre 1/4" BSP	Dowty Joint Torique 1/4" BSP	900450-001	
12	Insulation Sleeve 8.2mm	Manchon Isolant 8.2mm	900758-003	
13	Pulley - Motor Datum Dp68mm Pulley - Motor Datum Dp60mm	Poulie Moteur Axe Dp68mm Poulie Moteur Axe Dp60mm	903963 906430	60Hz only
14	TM80 Meter TM80 Meter EC	Meter TM80 Meter TM80 EC	945118-501 945118-507	Refer to TM80 Manual Electronic Calibration
14	TM80 Meter TC Meter TQM MPT1 in line Meter TQM MPE-EC in line Meter TQM MPE-TC in line Meter TQM MPE-TC TW in line	Meter TM80 TC Meter TQM MPT1 en ligne Meter TQM MPE-EC en ligne Meter TQM MPE-TC en ligne Meter TQM MPE-TC TW en ligne	945118-513 948475-001 948475-011 948475-021 948475-024	Temperature Compensation Refer to TQM Manual Electronic Calibration Temperature Compensation Temp. Comp. Temperature Well



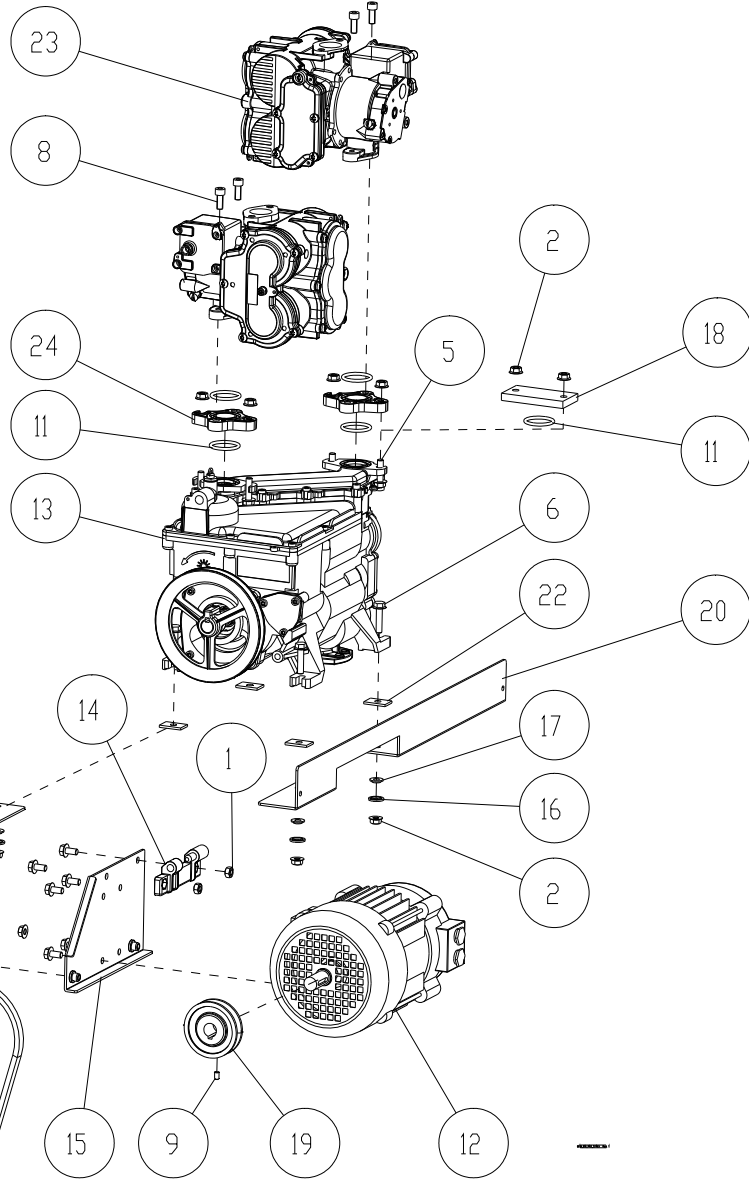
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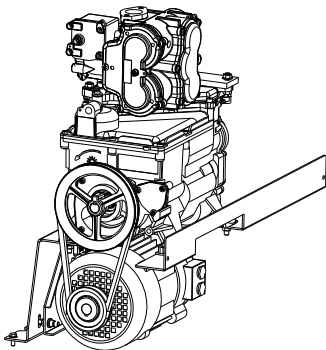
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4.3.1 EPZ (TQP-RS) HYDRAULIC STACK (CONT.)

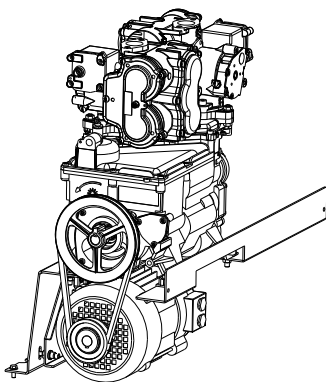
Item No	Description	Désignation Français	Part No	Comments
14	Meter TQM MPL in line	Meter TQM MPL en ligne	948475-031	
(Cont.)	Meter TQM CP1 in line	Meter TQM CP1 en ligne	948475-071	
15	Flange Oval without holes	Bride Ovale sans trous	908456	
16	Stub Threaded Specific M6 x 32	Goujon Special M6 x 32	909271	
17	Bracket Motor NEO	Support Moteur, NEO	944304	
18	Q210 Pump Bracket	Support de Pompe Q210	946347	Refer to Frame Assemblies
	Q110 Pump Bracket	Support de Pompe Q110	946818	
19	Motor Retention Bracket	Motor Retention Bracket	946348	
20	Compression Spring	Compression Spring	946875	
21	Stud M6x40 (12.5-15-12.5)	Goujon M6x40 (12.5-15-12.5)	948402	
22	EPZ Stack Filter Box Assy Std	EPZ Stack Filter Box asm Std	909650-001	Refer to TQP-RS Manual
	EPZ Stack Filter Box Assy Low Temp	EPZ Stack Filter Box Assy Low Temp	909650-002	
	EPZ Stack Filter Box Assy E85	EPZ Stack Filter Box Assy E85	909650-005	
	EPZ Stack No Filter Assy Std	EPZ Stack No Filter Assy Std	909652-001	
	EPZ Stack No Filter Assy Low Temp	EPZ Stack No Filter Assy Low Temp	909652-002	
	EPZ Stack No Filter Assy E85	EPZ Stack No Filter Assy E85	909652-005	



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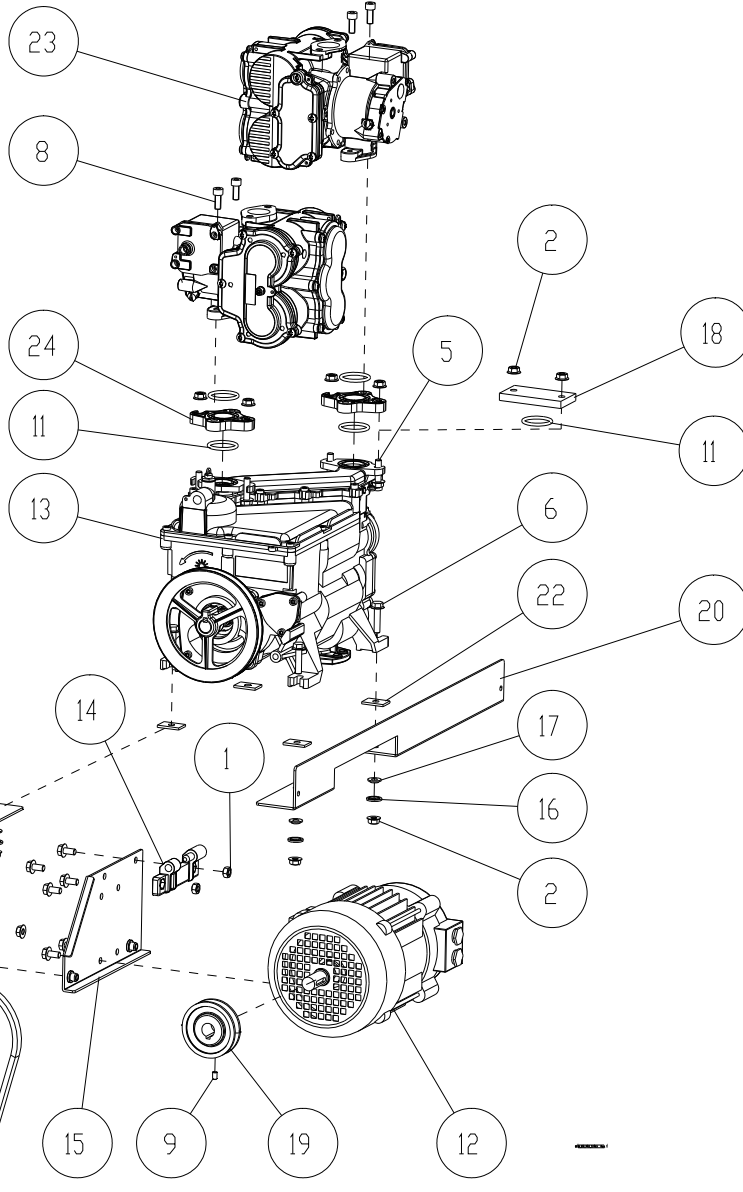
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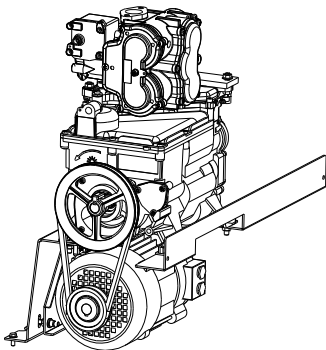
4.3.2 PAS V3 (TQP-HS) HYDRAULIC STACK - MANUFACTURED BEFORE SEPTEMBER 2010

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex M8	Ecrou H M8	900011-003	
2	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
3	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
4	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
5	Screw HFHSL M8x30	Vis Hex Br Autobl M8x30	900016-008	
6	Screw HFHSL M8x35	Vis Hex Br Autobl M8x35	900016-015	
7	Screw HFHSL M8x40	Vis Hex Br Autobl M8x40	900016-019	
8	Screw HSHC M8x20	Vis CHC M8x20	900017-002	
9	Screw HSS Cup Point M6x10	Vis HCCU M6x10	900019-001	
10	V-Belt - 13 x 8 x 684 Lp	Courroie - 13 x 8 x 684 Lp	900028-003	130L TQP-HS 60Hz
	V-Belt - 13 x 8 x 745 Lp	Courroie - 13 x 8 x 745 Lp	900028-004	80L TQP-HS
	V-Belt - 13 x 8 x 720 Lp	Courroie - 13 x 8 x 720 Lp	900028-005	80L TQP-HS & 130L TQP-HS 60Hz
11	O-Ring 34 x 4	Joint Torique 34.00 x 4.00	900050-097	
12	Motor EXD 3phase DELTA 1kW	Moteur EXD 3phase DELTA 1kW	900068-002	80L PASV3 only
	Motor EXD 3phase DELTA 1.5kW	Moteur EXD 3phase DELTA 1.5kW	900068-003	130L PASV3 only
	Motor EXD 3phase STAR 1kW	Moteur EXD 3phase STAR 1kW	900060-002	80L PASV3 only
	Motor EXD 3phase STAR 1.5kW	Moteur EXD 3phase STAR 1.5kW	900060-003	130L PASV3 only
	Motor 1ph ELNOR 50Hz 1kW CCW	Moteur EXD 1ph ELNOR 1kW CCW	942700-002	80L PASV3 only
	Motor 1ph ELNOR 50Hz 1.5kW CCW	Moteur 1ph ELNOR 50Hz 1.5kW CCW	942703	130L PASV3 only
	Motor 1ph ELNOR 60Hz 1.5kW CCW	Moteur 1ph ELNOR 60Hz 1.5kW CCW	942702	130L PASV3 only
13	PASV3 Pump	PASV3 Pompe	9000359-001	Std, Refer to PAS V3 Manual
	PASV3 Pump Low Temp	PASV3 Pompe Low Temp	900359-002	Low Temperature
14	Hinge Assembly	Charnière Assemblée	900393	
15	Bracket Assy - Motor	Support Moteur Assemblé	900395	
16	Dowty Seal Self Centre 1/4" BSP	Dowty Joint Torique 1/4" BSP	900450-001	
17	Insulation Sleeve 8.2 mm	Manchon Isolant 8.2 mm	900758-003	
18	Plate - Blanking PAS V3	Plaque D'Obturation PAS V3	901723	

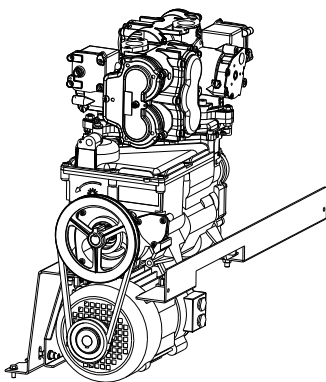
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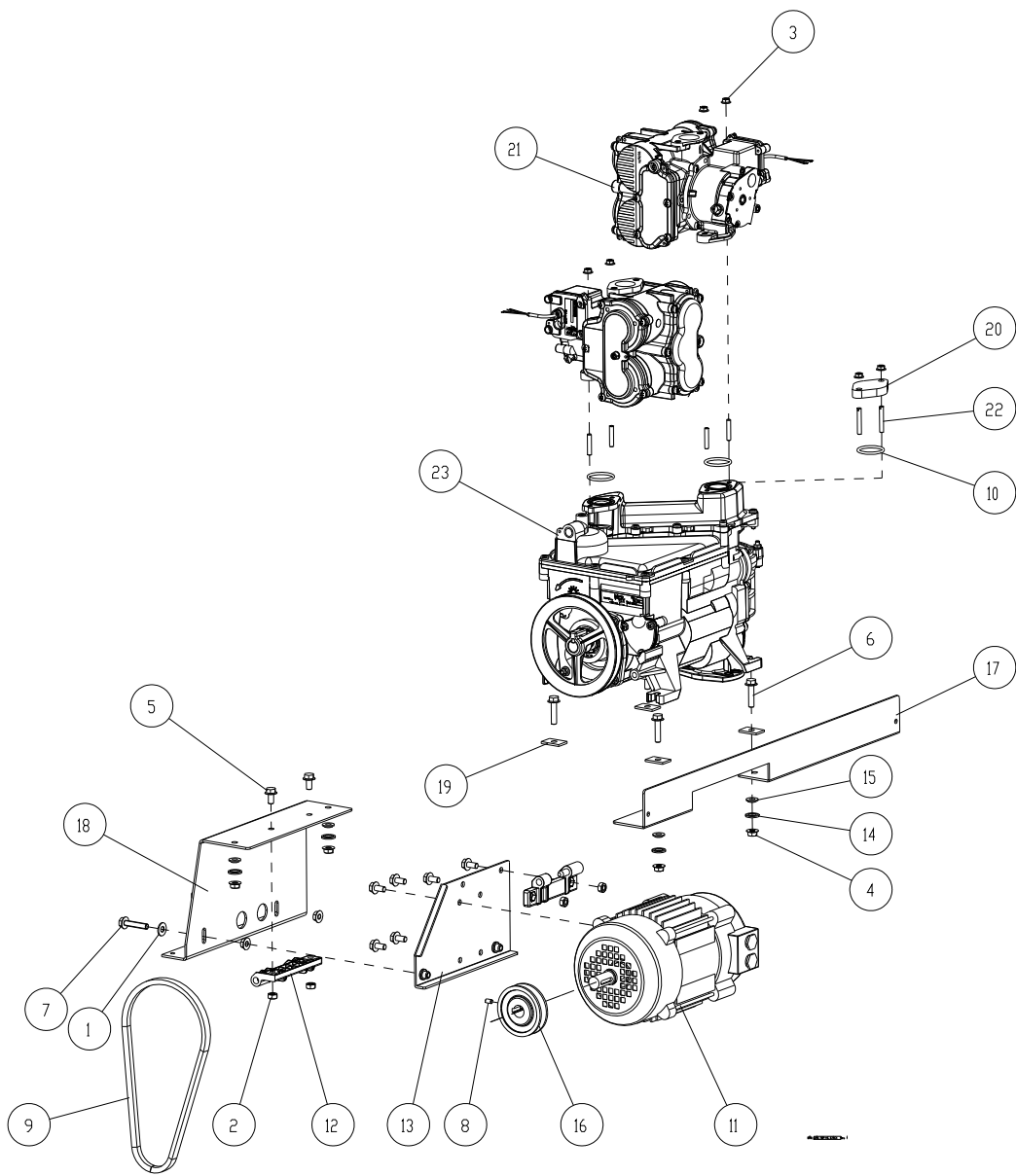


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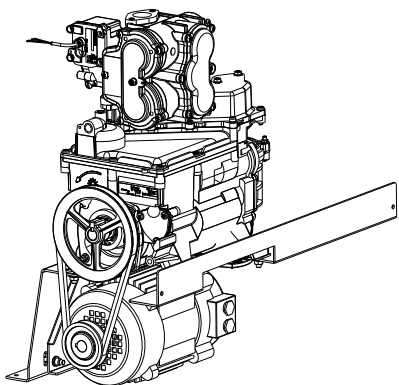


4.3.2 PAS V3 (TQP-HS) HYDRAULIC STACK - MANUFACTURED BEFORE SEPTEMBER 2010 (CONT.)

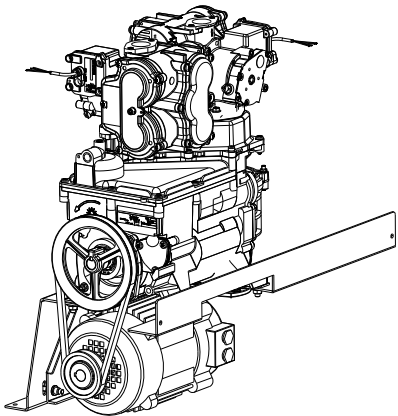
Item No	Description	Désignation Français	Part No	Comments
19	Motor Pulley Dp 71mm	Poulie Moteur DP 71mm	901769	130L PAS V3
	Motor Pulley 60Hz Dp 80mm	Poulie moteur 60Hz Dp 80mm	906444	80L PAS V3 60Hz
	Motor Pulley 60Hz Dp 60mm	Poulie moteur 60Hz Dp 60mm	906430	130L PAS V3 60Hz
20	PASV3 Pump - Bracket	Traverse Pompe PASV3	903529	Q210 only, Refer to Frame Asms
	PASV3 - L Bracket	Traverse Pompe PASV3	903723	Q110 only
21	PASV3 Bracket	Support PASV3	903530	
22	Damper Pump Foot	Assourdisseur de Pompe Pied	905324	
23	TM80 Meter	Meter TM80	945118-501	Refer to TM80 Manual
	TM80 Meter EC	Meter TM80 EC	945118-507	Electronic Calibration
	TM80 Meter TC	Meter TM80 TC	945118-513	Temperature Compensation
	Meter TQM MPT1 in line	Meter TQM MPT1 en ligne	948475-001	Refer to TQM Manual
	Meter TQM MPE-EC in line	Meter TQM MPE-EC en ligne	948475-011	Electronic Calibration
	Meter TQM MPE-TC in line	Meter TQM MPE-TC en ligne	948475-021	Temperature Compensation
	Meter TQM MPE-TC TW in line	Meter TQM MPE-TC TW en ligne	948475-024	Temp. Comp. Temperature Well
	Meter TQM MPL in line	Meter TQM MPL en ligne	948475-031	
	Meter TQM CP1 in line	Meter TQM CP1 en ligne	948475-071	
24	Meter Flange SM80/V3	Contre Bride SM80/V3	908927	



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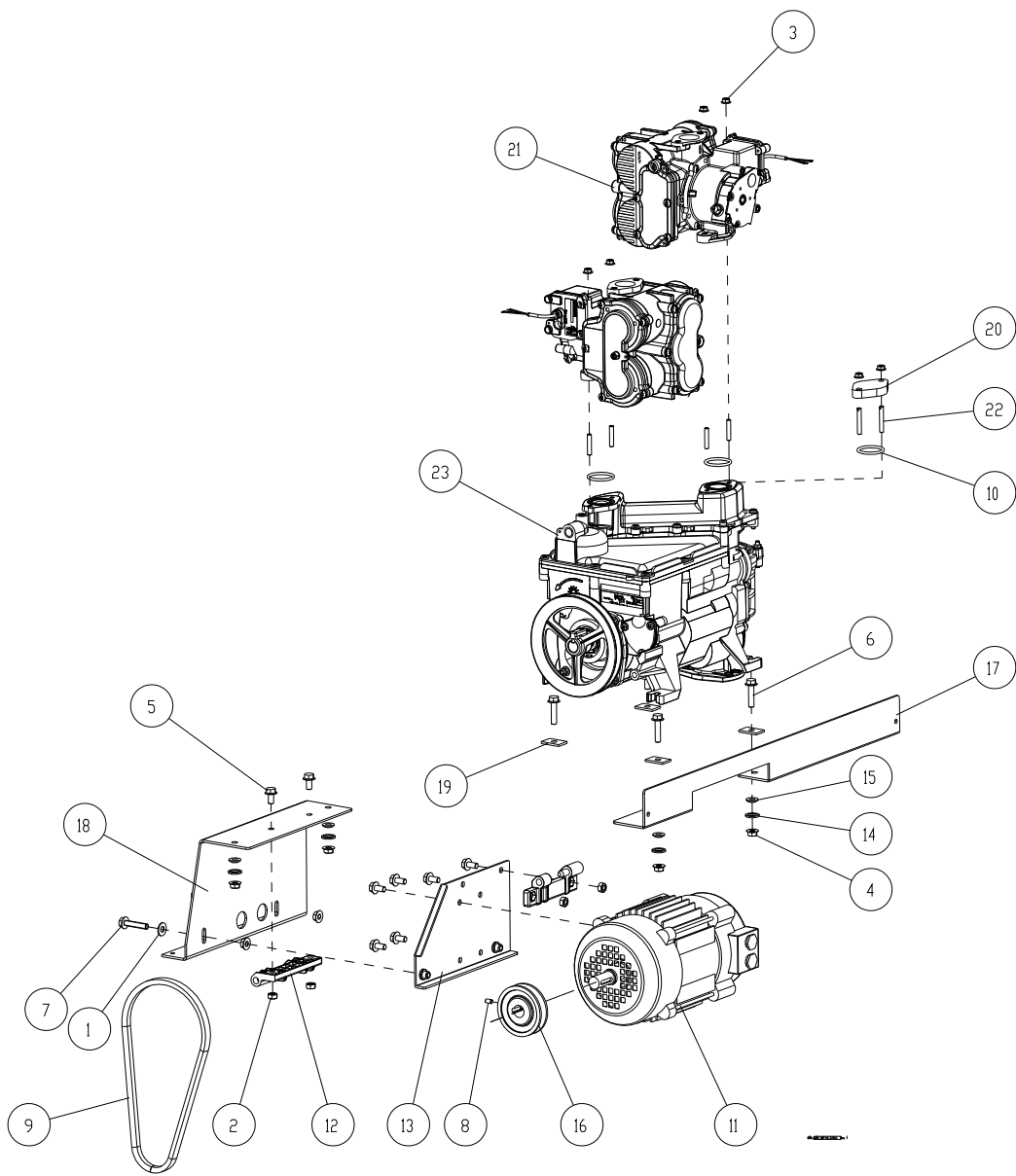


4.3.3 TQP-HS (PAS V3) HYDRAULIC STACK - MANUFACTURED AFTER AUGUST 2010

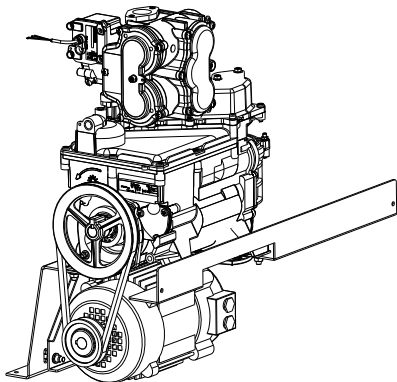
Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M9	Rondelle Plate M9	900008-027	
2	Nut Hex M8	Ecrou H M8	900011-003	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
5	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
6	Screw HFHSL M8x35	Vis Hex Br Autobl M8x35	900016-015	
7	Screw HFHSL M8x40	Vis Hex Br Autobl M8x40	900016-019	
8	Screw HSS Cup Point M6x10	Vis HCCU M6x10	900019-001	
9	V-Belt - 13 x 8 x 720 Lp V-Belt - 13 x 8 x 745 Lp V-Belt - 13 x 8 x 684 Lp	Courroie - 13 x 8 x 720 Lp Courroie - 13 x 8 x 745 Lp Courroie - 13 x 8 x 684 Lp	900028-005 900028-004 900028-003	80L TQP-HS 80L TQP-HS & 130L TQP-HS 60Hz 130L TQP-HS 60Hz
10	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
11	Motor EXD 1,5kW star 400V 12cl Motor Elnor 1 Ph 50Hz 1.5Kw Motor Elnor 1 Ph Taiwan 1.5Kw MOTOR EXD 1,5kW DELTA 230V 12C	Mot. EXD 1,5kW star 400V 12cl Moteur Elnor 1 Ph 50Hz 1.5Kw Moteur Elnor 1 Ph Taiwan 1.5Kw MOT EXD 1,5kW DELTA 230V 12CL	900060-003 942703 942702 900068-003	
12	Hinge	Charnière	900393	
13	Motor Bracket	Support Moteur	900395	
14	Dowty Seal Self Centre 1/4" BSP	Dowty Joint Torique 1/4" BSP	900450-001	
15	Insulation Sleeve 8.2 mm	Manchon Isolant 8.2 mm	900758-003	
16	Pulley Dp 95 Pulley Dp 71 Pulley Dp 80mm 60Hz Pulley Dp 60mm 60Hz	Poulie Dp 95 Poulie Dp 71 Poulie Dp 80mm 60Hz Poulie Dp 60mm 60Hz	901768 901769 906444 906430	80L TQP-HS 130L TQP-HS 80L TQP-HS 60Hz 130 TQP-HS 60Hz
17	PASV3 Pump - Bracket PASV3 - L Bracket	Traverse Pompe PASV3 Traverse Pompe PASV3	903529 903723	Q210 only, Refer to Frame Asms Q110 only
18	PASV3 Bracket	Support PASV3	903530	
19	Damper Pump Foot	Assourdisseur de Pompe Pied	905324	

(CONT.)

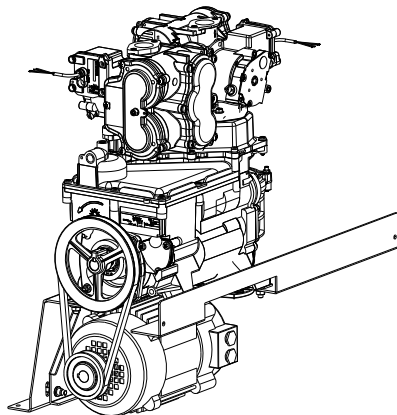




SINGLE SIDED



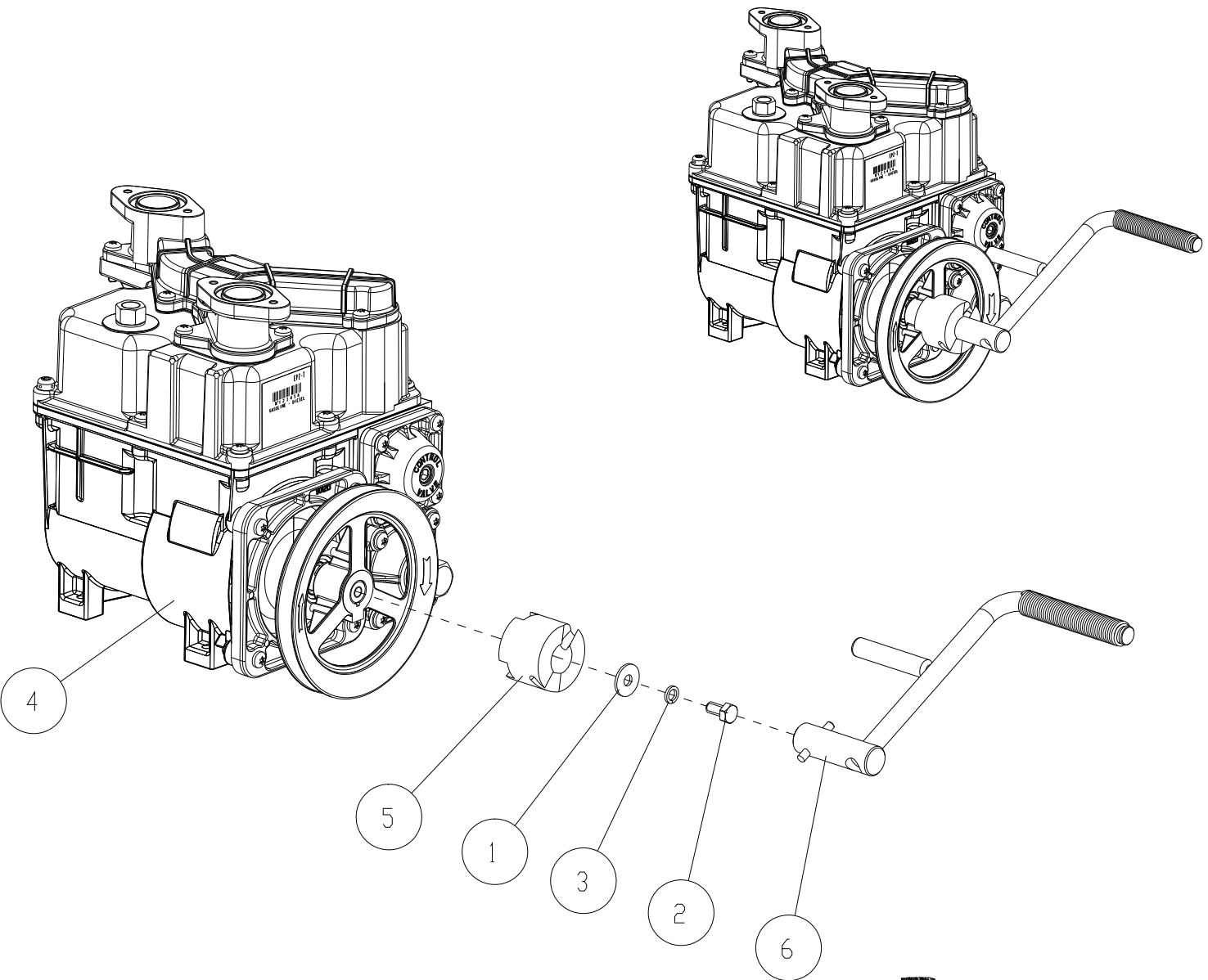
DOUBLE SIDED



4.3.3 TQP-HS (PAS V3) HYDRAULIC STACK - MANUFACTURED AFTER AUGUST 2010 (CONT.)

Item No	Description	Désignation Français	Part No	Comments
20	Flange Oval without Holes	Bride Ovale sans Trous	908456	
21	TM80 Meter	Meter TM80	945118-501	Refer to TM80 Manual
	TM80 Meter EC	Meter TM80 EC	945118-507	Electronic Calibration
	TM80 Meter TC	Meter TM80 TC	945118-513	Temperature Compensation
	Meter TQM MPT1 in line	Meter TQM MPT1 en ligne	948475-001	Refer to TQM Manual
	Meter TQM MPE-EC in line	Meter TQM MPE-EC en ligne	948475-011	Electronic Calibration
	Meter TQM MPE-TC in line	Meter TQM MPE-TC en ligne	948475-021	Temperature Compensation
	Meter TQM MPE-TC TW in line	Meter TQM MPE-TC TW en ligne	948475-024	Temp. Comp. Temperature Well
	Meter TQM MPL in line	Meter TQM MPL en ligne	948475-031	
	Meter TQM CP1 in line	Meter TQM CP1 en ligne	948475-071	
22	SSTL Stud M6x40 (12.5-15-12.5)	SSTL Goujon M6x40 (12.5-15-12.5)	947122	
23	TQP-HS Pump	TQP-HS Pompe	948971-001	Standard
	TQP-HS Pump	TQP-HS Pompe	948971-002	Low Temperature
	Pump PASV3 Manifold TQP-HS-HT	Groupe PASV3 Manifold TQP-HS-HT	948971-003	For Unlead Application

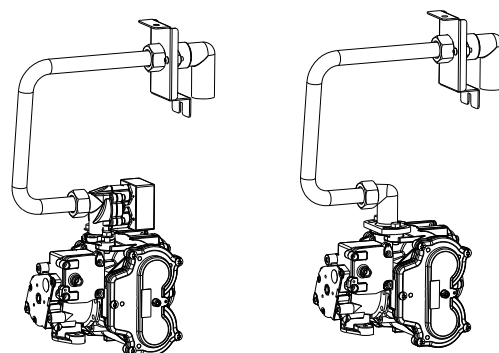




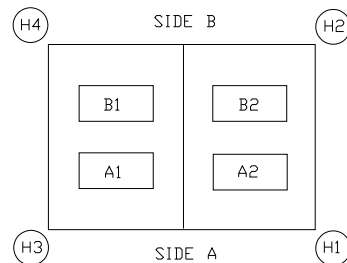
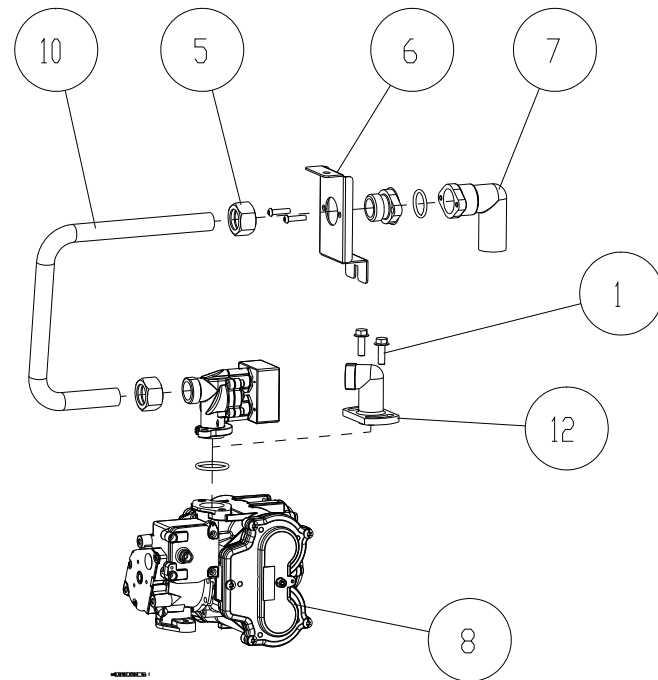
4.4 Hand Crank Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Washer PI d2=3xd1 M8	Rondelle PI d2=3xd1 M8	900008-006	
2	Screw HH M8x16	Vis H M8x16	900015-011	
3	Washer Spring Lock M 8	Rondelle Elast. W 8	900051-005	
4	Pump Assembly	Asm Pompe	-	Refer to Hydraulic Stack Assemblies
5	Crank Adaptor	Crank Adaptor	946131	
6	Crank Handle Assembly	Crank Handle Assembly	946133	

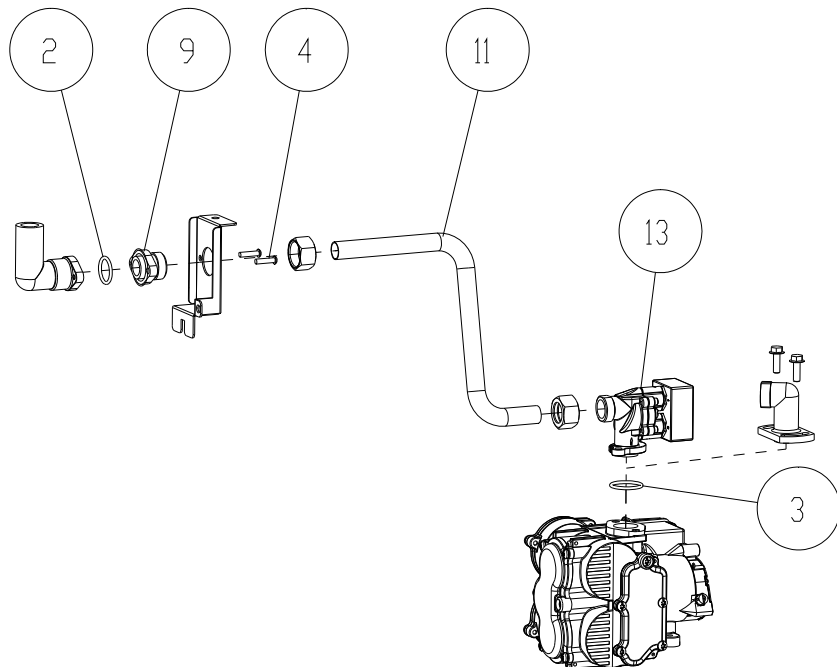
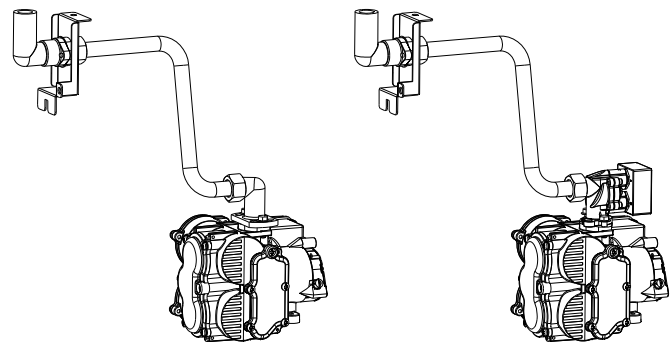




STANDARD A2 TO H1



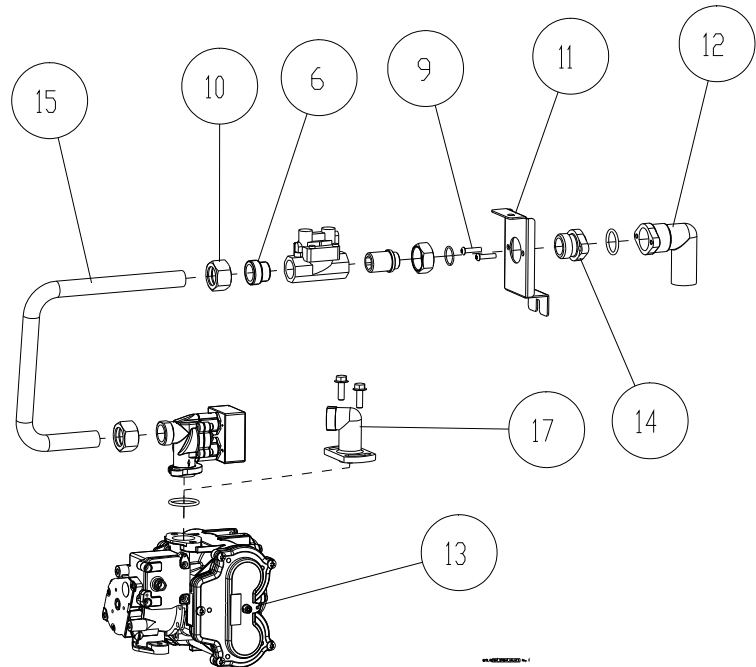
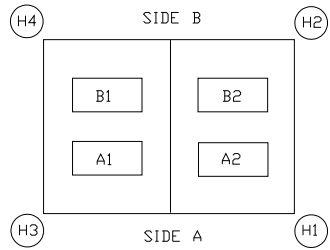
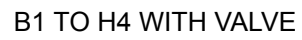
STANDARD B1 TO H4



4.5 Pipe Assemblies - Manufactured Before July 2013

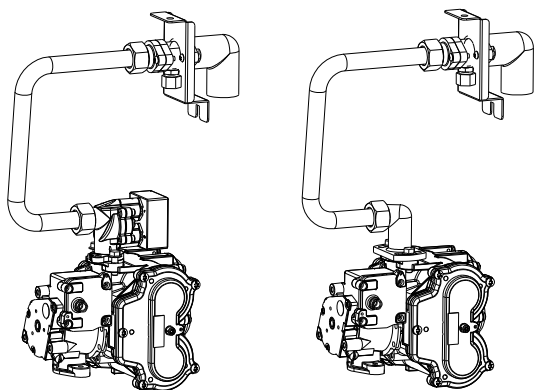
4.5.1 METER A2 TO HOSE H1 AND METER B1 HOSE H4 (STANDARD)

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	O-Ring 27,80x3,60	Joint Torique 27,80x3,60	900050-016	
3	O-Ring 34,10x3,60	Joint Torique 34,10x3,60	900050-019	
4	Screw HFHSL M6x25	Vis M6x25	900016-014	
5	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
6	Bracket for Hose Connection ALU	Support Coude Sortie Flex ALU	952070	Aluminium
7	Hose Coupling 90 G1	Coude 90 brid axe 46 Sortie G1	903707	
8	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
9	Flange Adaptor G1"- Pipe D22	Bride Adaptation G1"- Tube D22	946471	
10	Pipe A2 H1	Tube A2 H1	946613	
11	Pipe B1 H4	Tube B1 H4	946614	
12	Outlet Elbow, Cast	Coude, Aluminium Moule	947587	
13	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies

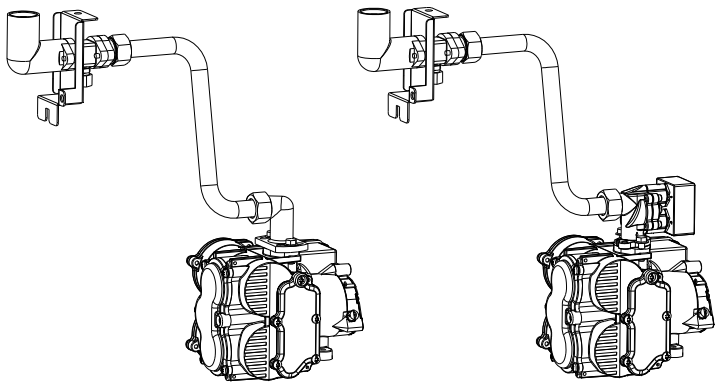
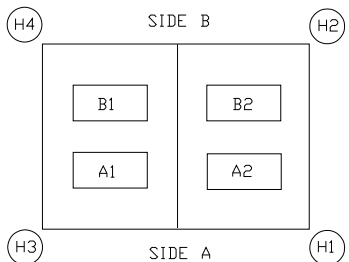


4.5.2 METER A2 TO HOSE H1 AND METER B1 TO HOSE H4 (WITH VALVE)

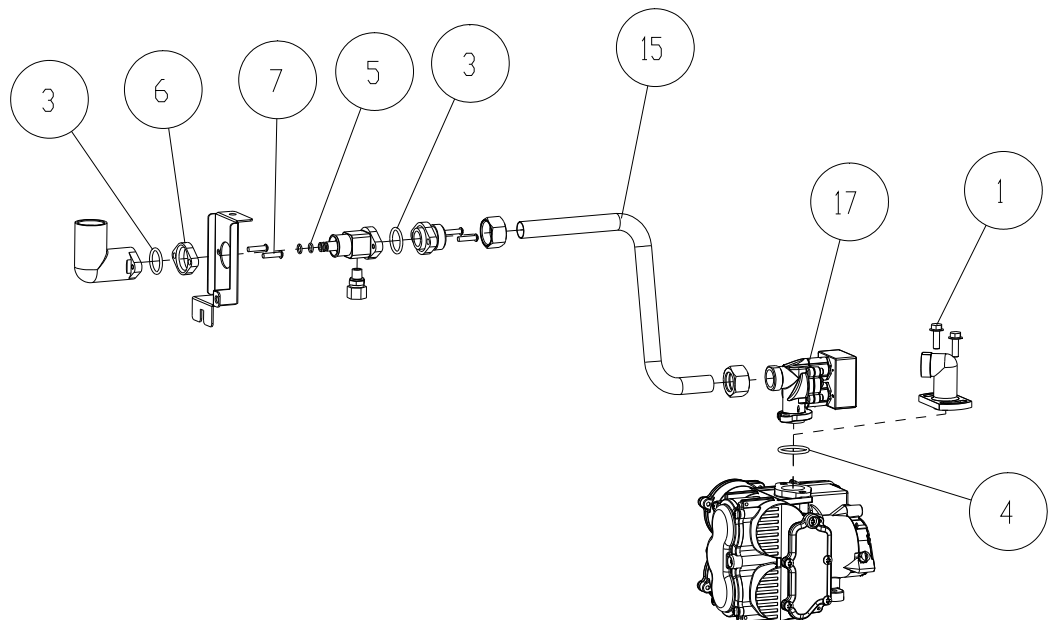
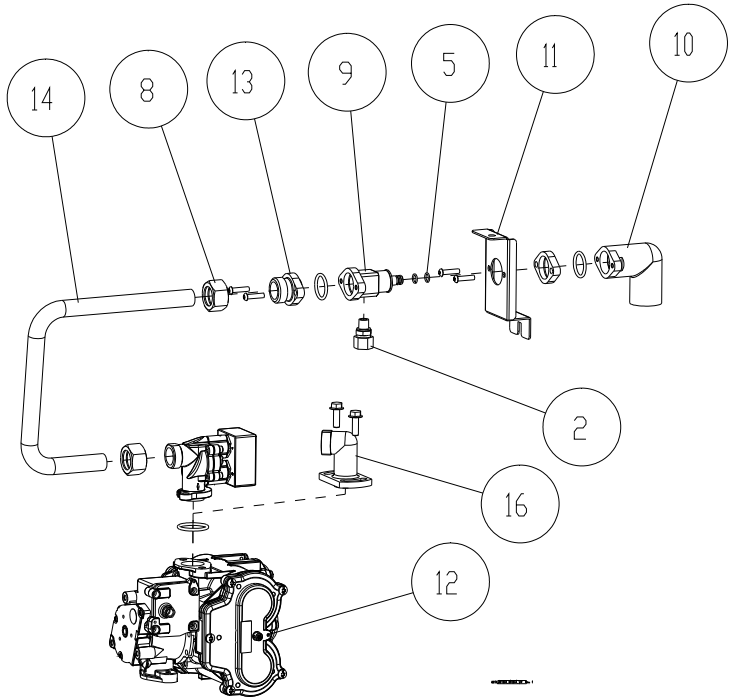
Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
3	O-Ring 22.00x2.00	Joint Torique 22.00x2.00	900050-018	
4	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
5	Piston Valve 3/4 POM/PPS	Soupape 3/4DN17 POM/PPS	900080	Refer to Valve & Fittings Assemblies
6	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
7	Pressure Nut G1"	Ecrou G1"	900791	
8	Nipple Coupling	Raccord Mamelon	900792	
9	Screw HFHSL M6x25	Vis M6x25	900016-014	
10	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
11	Bracket for Hose Connection Bracket for Hose Connection ALU	Support Coude Sortie Flex Support Coude Sortie Flex ALU	903590 952070	Aluminium
12	Hose Coupling 90 G1	Coude 90 brid axe 46 Sortie G1	903707	
13	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
14	Flange Adaptor G1"- Pipe D22	Bride Adaptation G1"- Tube D22	946471	
15	Pipe A2 H1	Tube A2 H1	946613	
16	Pipe B1 H4	Tube B1 H4	946614	
17	Outlet Elbow, Cast	Coude, Aluminium Moule	947587	
18	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies



A2 TO H1 WITH VR

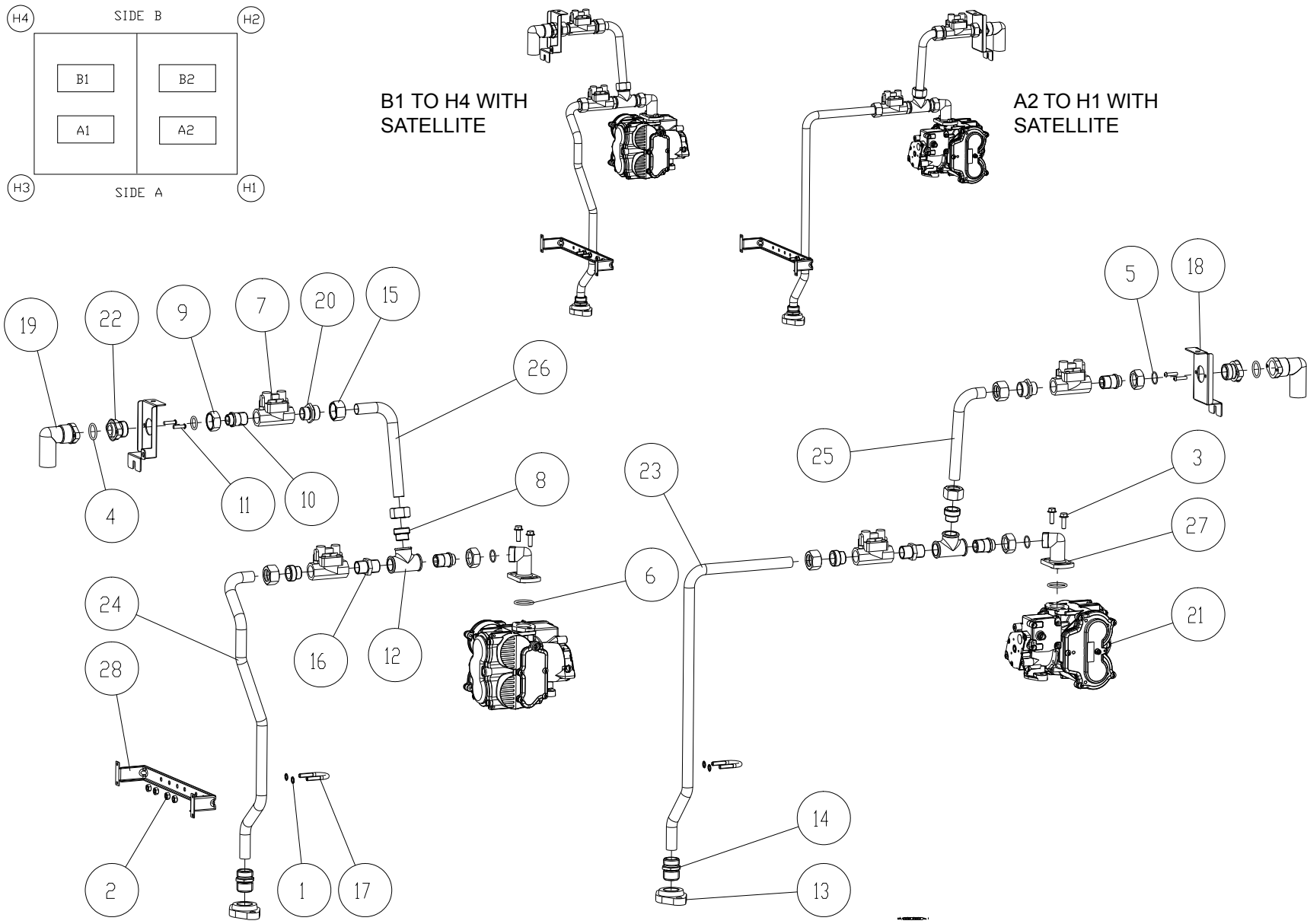


B1 TO H4 WITH VR



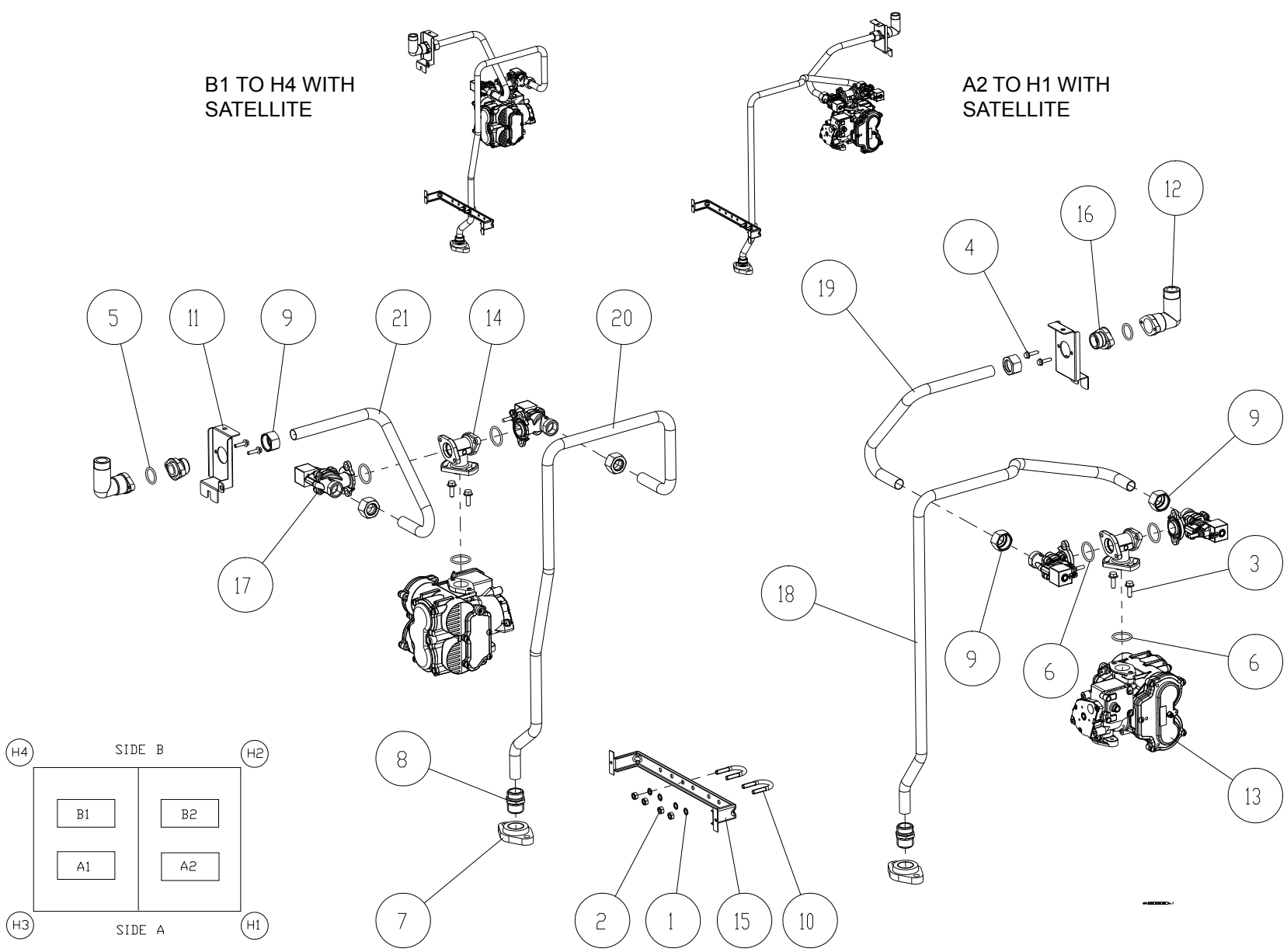
4.5.3 METER A2 HOSE H1 AND METER B1 TO HOSE H4 (WITH VR)

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	Straight Compr 1/4" BSP 1...	Rac Piq Male 12 - 1/4	900032-002	
3	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
4	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
5	O-Ring 9.25 x 1.78	Joint Torique 9.25 x 1.78	900050-066	
6	Flange - Oval D28	Bride Ovale D28	900475	
7	Screw HFHSL M6x25	Vis M6x25	900016-014	
8	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
9	Coupling Straight VR Hose	Raccord Droit Flexible RV	903580	
10	Coupling 90° VR Hose	Raccord 90° Flexible RV	903581	
11	Bracket for Hose Connection Bracket for Hose Connection ALU	Support Coude Sortie Flex Support Coude Sortie Flex ALU	903590 952070	Aluminium
12	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
13	Flange Adaptor G1"- Pipe D22	Bride Adaptation G1"- Tube D22	946471	
14	Pipe A2 H1	Tube A2 H1	946613	
15	Pipe B1 H4	Tube B1 H4	946614	
16	Outlet Elbow, Cast	Coude, Aluminium Moule	947587	
17	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies



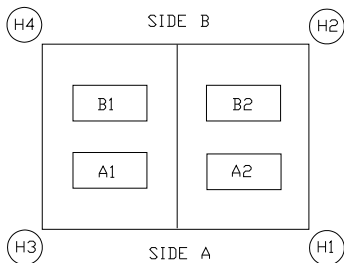
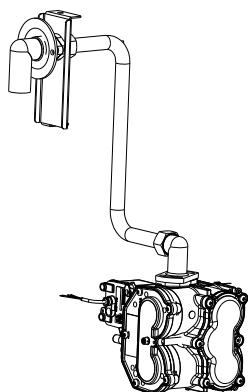
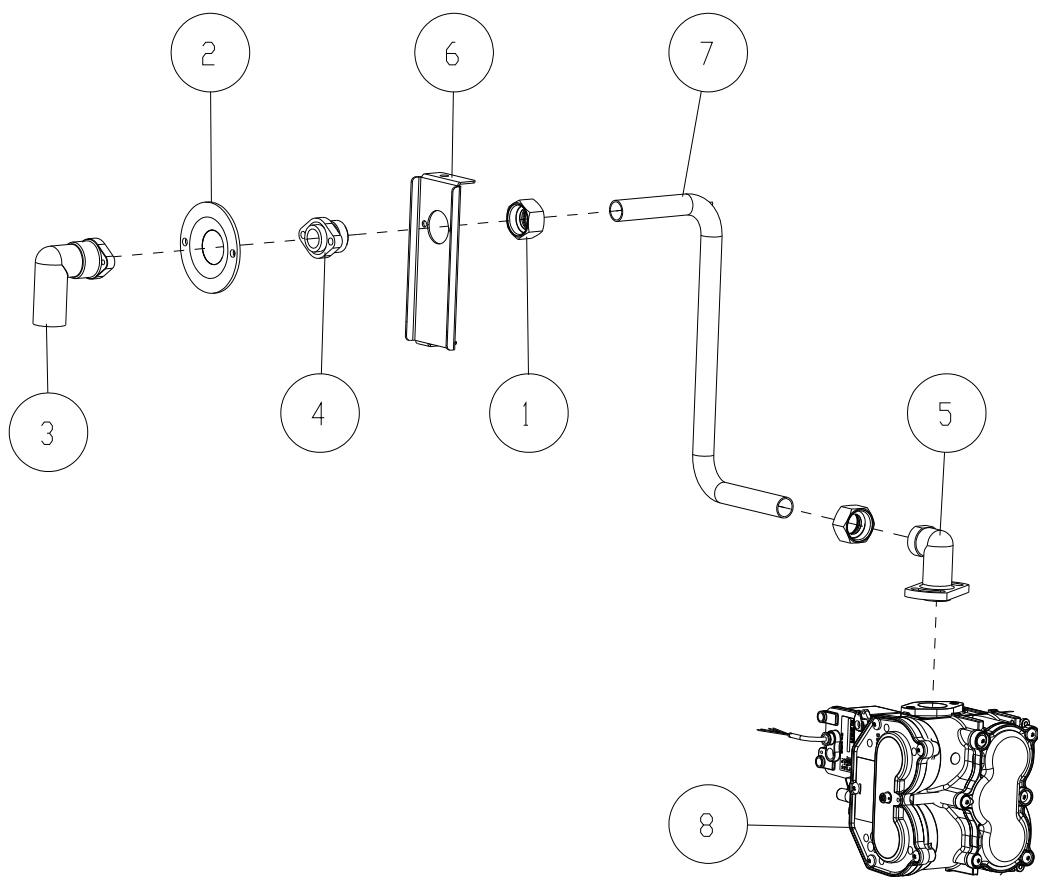
4.5.4 METER A2 TO HOSE H1 AND METER B1 TO HOSE H4 (WITH SATELLITE) - MANUFACTURED BEFORE MARCH 2012

Item No	Description	Désignation Français	Part No	Comments
1	Washer Serr Lock Ext M8	Rondelle a Dents DEC M8	900009-002	
2	Nut Hex M8	Ecrou H M8	900011-003	
3	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
4	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
5	O-Ring 22.00x2.00	Joint Torique 22.00x2.00	900050-018	
6	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
7	Piston Valve 3/4 POM/PPS	Soupape 3/4DN17 POM/PPS	900080	Refer to Valve & Fittings Assemblies
8	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
9	Pressure Nut G1"	Ecrou G1"	900791	
10	Nipple Coupling	Raccord Mamelon	900792	
11	Screw HFHSL M6x25	Vis M6x25	900016-014	
12	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
13	Flange 1" 78mm	Bride 1" 78mm	901320-001	
14	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
15	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
16	R3/4" x R3/4" Nipple	Machon R3/4" x R3/4"	902212-001	
17	U-Bolt 3/4"	Collier 3/4"	903160-001	
18	Bracket for Hose Connection	Support Coude Sortie Flex	903590	
19	Hose Coupling 90 G1	Coude 90 brid axe 46 Sortie G1	903707	
20	Nipple M-M 1" to 3/4"	Mamelon M-M 1" à 3/4"	906178	
21	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
22	Flange Adaptor G1"- Pipe D22	Bride Adaptation G1"- Tube D22	946471	
23	Pipe A1 SAT	Tube A1 SAT	946615	
24	Pipe B1 SAT	Tube B1 SAT	946616	
25	Pipe A2 H1 SAT	Tube A2 H1 SAT	946628	
26	Pipe B1 H4 SAT	Tube B1 H4 SAT	946629	
27	Outlet Elbow, Cast	Coude, Aluminium Moule	947587	
28	Satellite Support Bracket	Satellite Support Bracket	946367	



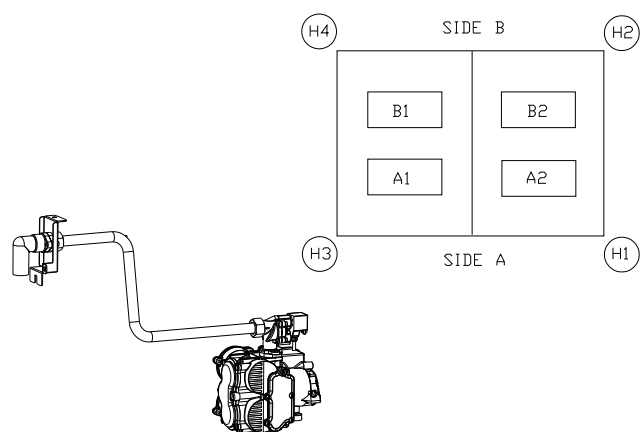
4.5.5 METER A2 TO HOSE H1 AND METER B1 TO HOSE H4 (WITH SATELLITE) - MANUFACTURED AFTER FEBRUARY 2012

Item No	Description	Désignation Français	Part No	Comments
1	Washer Serr Lock Ext M8	Rondelle a Dents DEC M8	900009-002	
2	Nut Hex M8	Ecrou H M8	900011-003	
3	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
4	Screw HFHSL M6x25	Vis Hex Br Autobl M6x25	900016-014	
5	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
6	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
7	Flange 1" 78mm	Bride 1" 78mm	901320-001	
8	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
9	22mm Pipe Nut Assembly	Ecrou Tube 22mm Tube	-	Refer to Pipe Nut Assemblies
10	U-Bolt 3/4"	Collier 3/4"	903160-001	
11	Bracket for Hose Connection Bracket for Hose Connection ALU	Support Coude Sortie Flex Support Coude Sortie Flex ALU	903590 952070	Aluminium
12	Hose Coupling 90 G1	Coude 90 Bride Axe 46 Sortie G1	903707	
13	Meter Assembly	Meter Asm.	-	Refer to Hydraulic Stack Assemblies
14	Tee Connection Valvebox F/F/F	Raccord Te F-F-F Electrov	940300	
15	Satelite Support Bracket	Satelite Support Bracket	946367	
16	Flange Adaptor G1"- Pipe D22	Bride Adaptation G1"- Tube D22	946471	
17	Valve Single 24V	EV Simple 24V	-	Refer to Valve & Fittings Assemblies
18	Pipe B1 to Sat EPZ 210	Tube B1 to Sat EPZ 210	951417	
19	Pipe B2 to H1 EPZ 210	Tube B2 to H1 EPZ 210	951418	
20	Pipe A1 to Sat EPZ 210	Tube A1 to Sat EPZ 210	951419	
21	Pipe A2 to H2 EPZ 210	Tube A2 to H2 EPZ 210	951420	

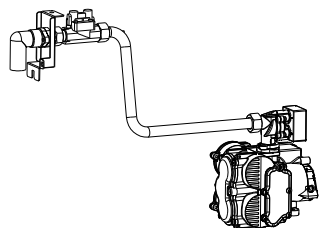


4.5.6 METER A2 TO HOSE H1 (PAS V3 80LPM)

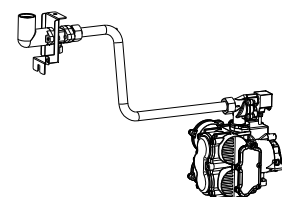
Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut Assembly	22mm Assemblée écrou du tuyau	-	Refer to Pipe Nut Assemblies
2	Gasket outlet connection	Joint coude de sortie	903645	
3	Hose coupling 90 G1	Coude 90 brid axe 46 sortie G1	903707	
4	Flange adaptor G1"- pipe D22	Bride adaptation G1"- tube D22	946471	
5	Outlet elbow, Cast	Coude, Aluminium Moule	947587	
6	Bracket for hose connection Alu	Support coude sortie flex Alu	952070	
7	Pipe A2-H1 pasv3	Tube A2-H1 pasv3	953360	
8	Meter Asm	Meter Asm	-	Refer to Hydraulic Stack Assemblies



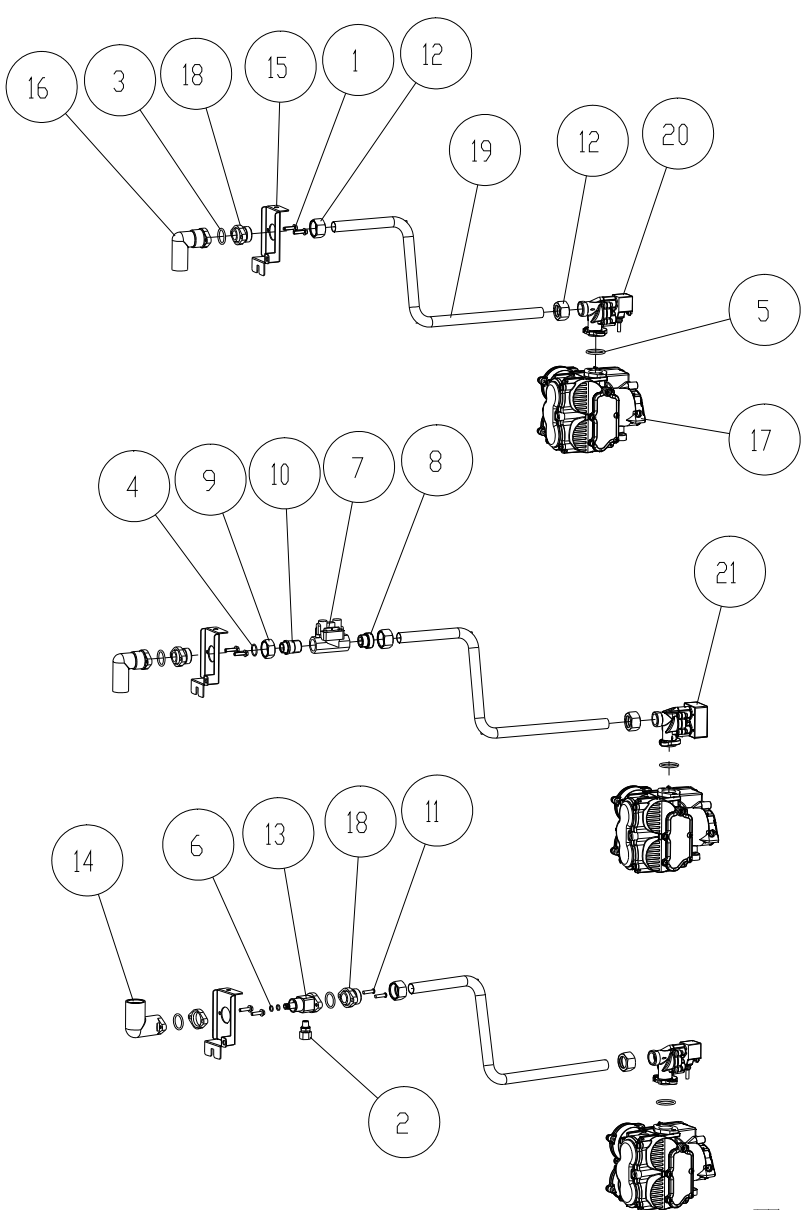
STANDARD B2 TO H4



B2 TO H4 WITH VALVE

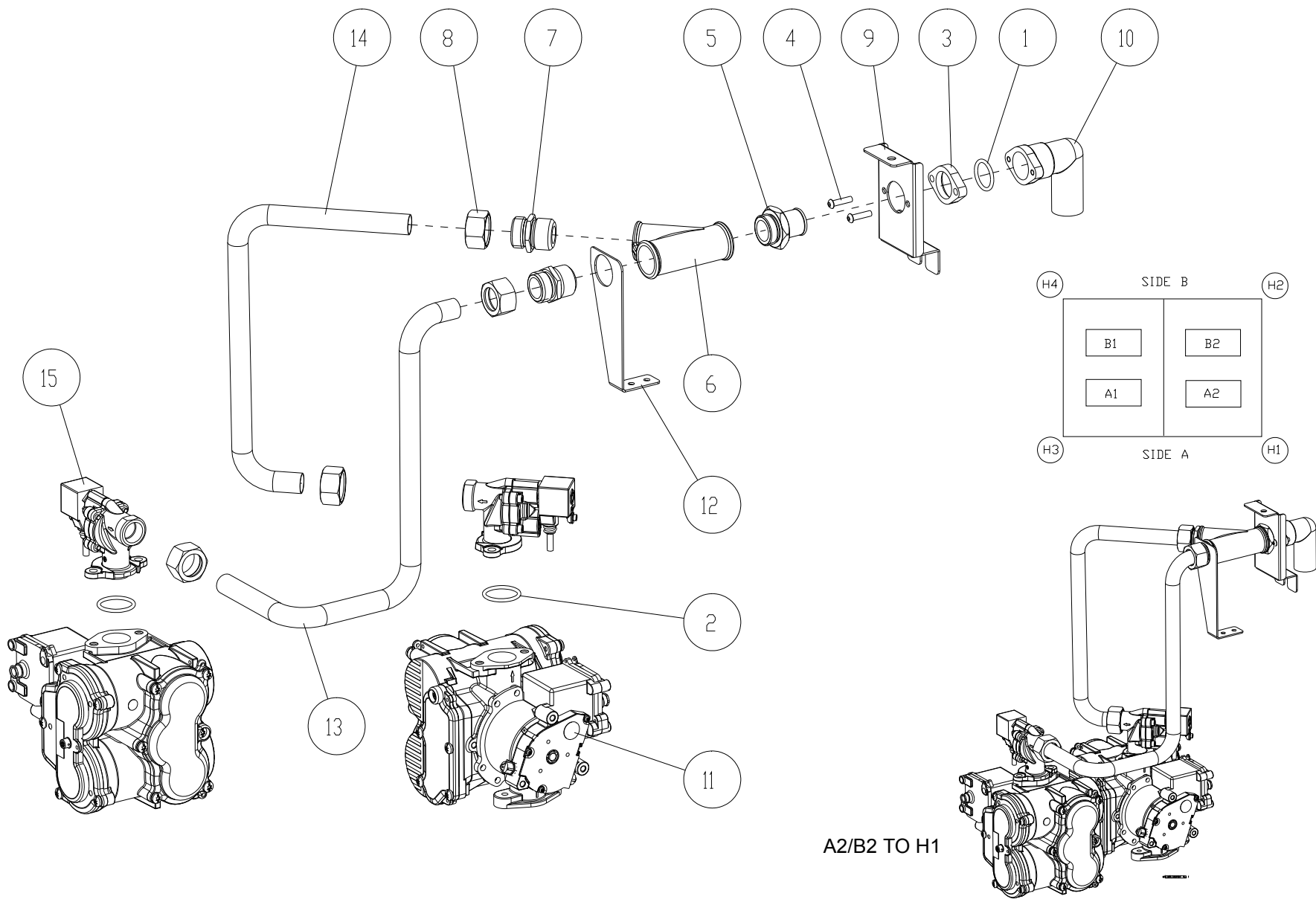


B2 TO H4 WITH VR



4.5.7 METER B2 TO HOSE H4

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M6x25	Vis Hex Bride Autobl. M6x25	900016-014	
2	Straight Compressor 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
3	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
4	O-Ring 22.00x2.00	Joint Torique 22.00x2.00	900050-018	
5	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
6	O-Ring 9.25x1.78	Joint Torique 9.25x1.78	900050-066	
7	Piston Valve 3/4 POM/PPS	Soupape 3/4DN17 POM/PPS	900080	Refer to Valve & Fittings Assemblies
8	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
9	Pressure Nut G1"	Ecrou G1"	900791	
10	Nipple Coupling	Raccord Mamelon	900792	
11	Screw HSB M6x25	Vis M6x25	900795-003	
12	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
13	Coupling Straight VR Hose	Raccord Droit Flexible RV	903580	
14	Coupling 90 VR Hose	Raccord 90 Flexible RV	903581	
15	Bracket for Hose Connection Bracket for Hose Connection ALU	Support Coude Sortie Flex Support Coude Sortie Flex ALU	903590 952070	Aluminium
16	Hose Coupling 90 G1	Coude 90 brid axe 46 Sortie G1	903707	
17	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
18	Flange Adaptor G1"- Pipe D22	Bride Adaptation G1"- Tube D22	946471	
19	Pipe B2 H4 210	Tube B2 H4 210	946673	
20	Single Valve Assembly	Single Valve Assembly	-	Refer to Valve & Fittings Assemblies
21	Double Valve Assembly	Double Valve Assembly	-	Refer to Valve & Fittings Assemblies

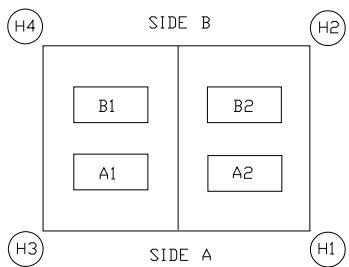


A2/B2 TO H1

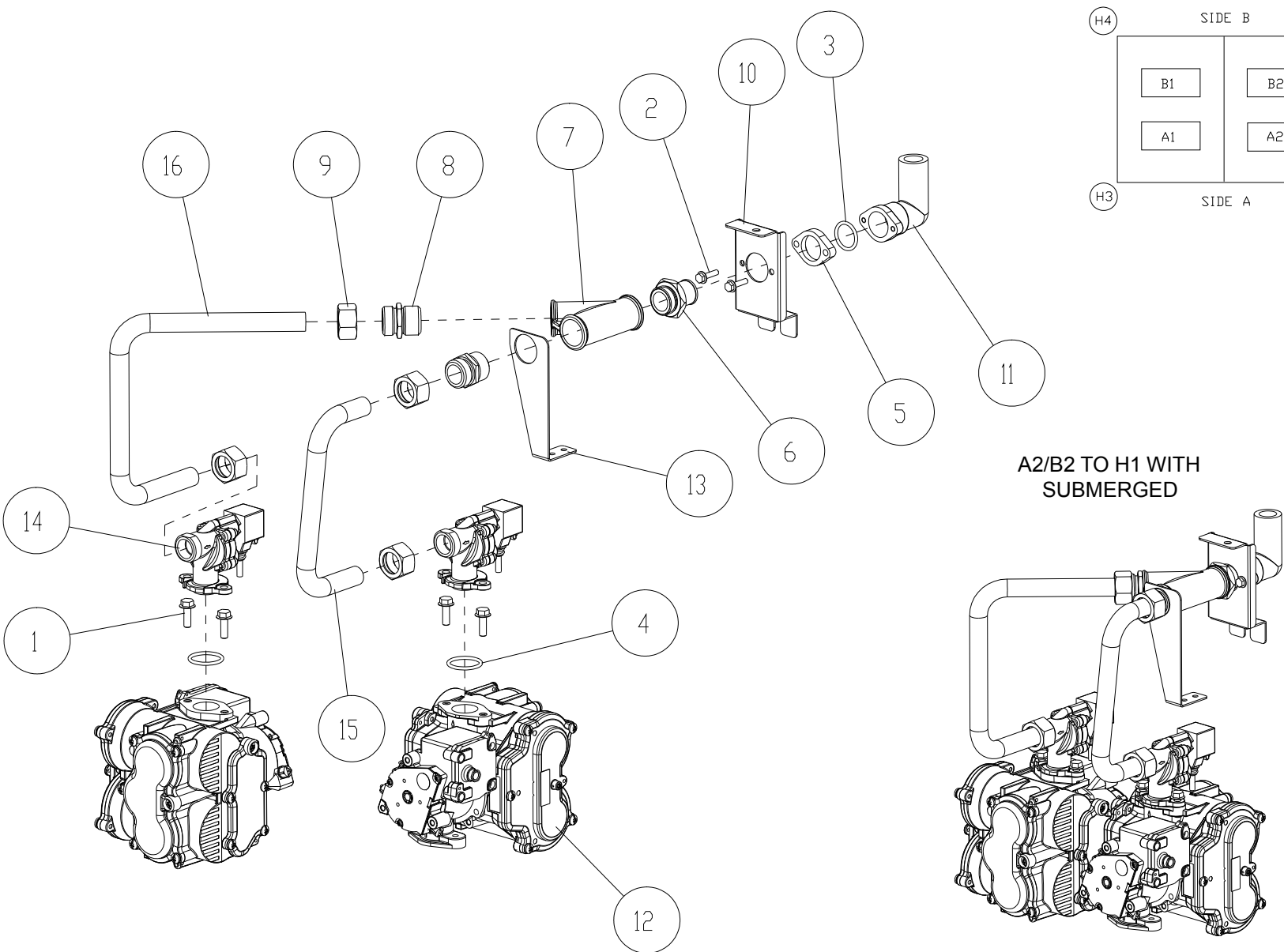


4.5.8 METERS A2/B2 TO HOSE H1

Item No	Description	Désignation Français	Part No	Comments
1	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
2	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
3	Flange - Oval D28	Bride Ovale D28	900475	
4	Screw HFHSL M6x25	Vis M6x25	900016-014	
5	Adaptor G1" M -D28 O-ring Connector	Rac Male G 1" Sortie Bourrelet	901316	
6	T45° Egal Piece 1"	Té45° Egale Pièce 1"	901610-001	
7	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
8	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
9	Bracket for Hose Connection Bracket for Hose Connection ALU	Support Coude Sortie Flex Support Coude Sortie Flex ALU	903590 952070	Aluminium
10	Hose Coupling 90 G1	Coude 90 brid axe 46 Sortie G1	903707	
11	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
12	Support Bracket High Speed Pipes	Support Bracket High Speed Pipes	946535	
13	Pipe PAS 2 Pipe PAS 2	Tube PAS 2 Tube PAS 2	946617 949553	Before December 2010 After November 2010
14	Pipe PAS 1 Pipe PAS 1	Tube PAS 1 Tube PAS 1	946618 949555	Before December 2010 After November 2010
15	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assembly

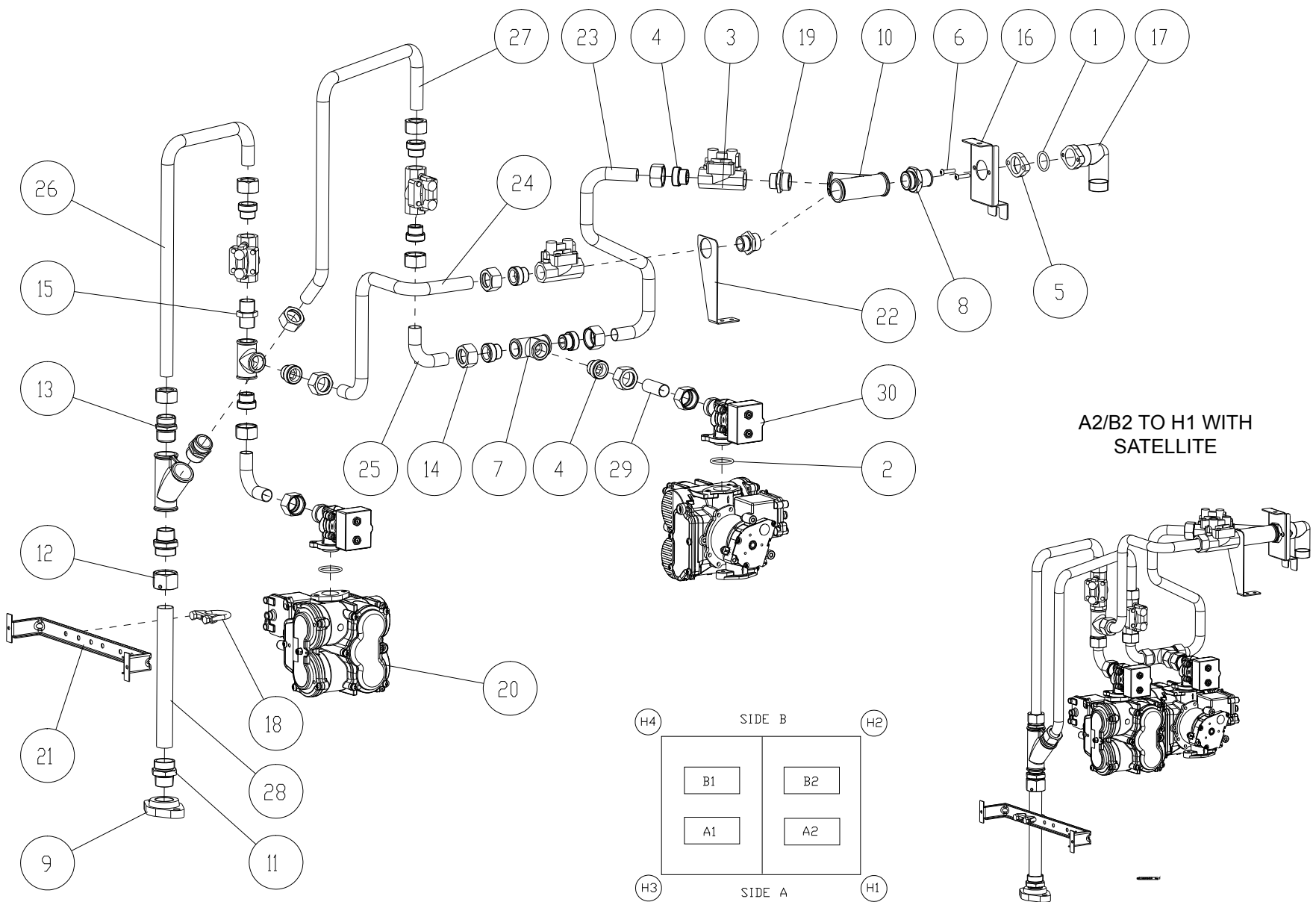


A2/B2 TO H1 WITH
SUBMERGED



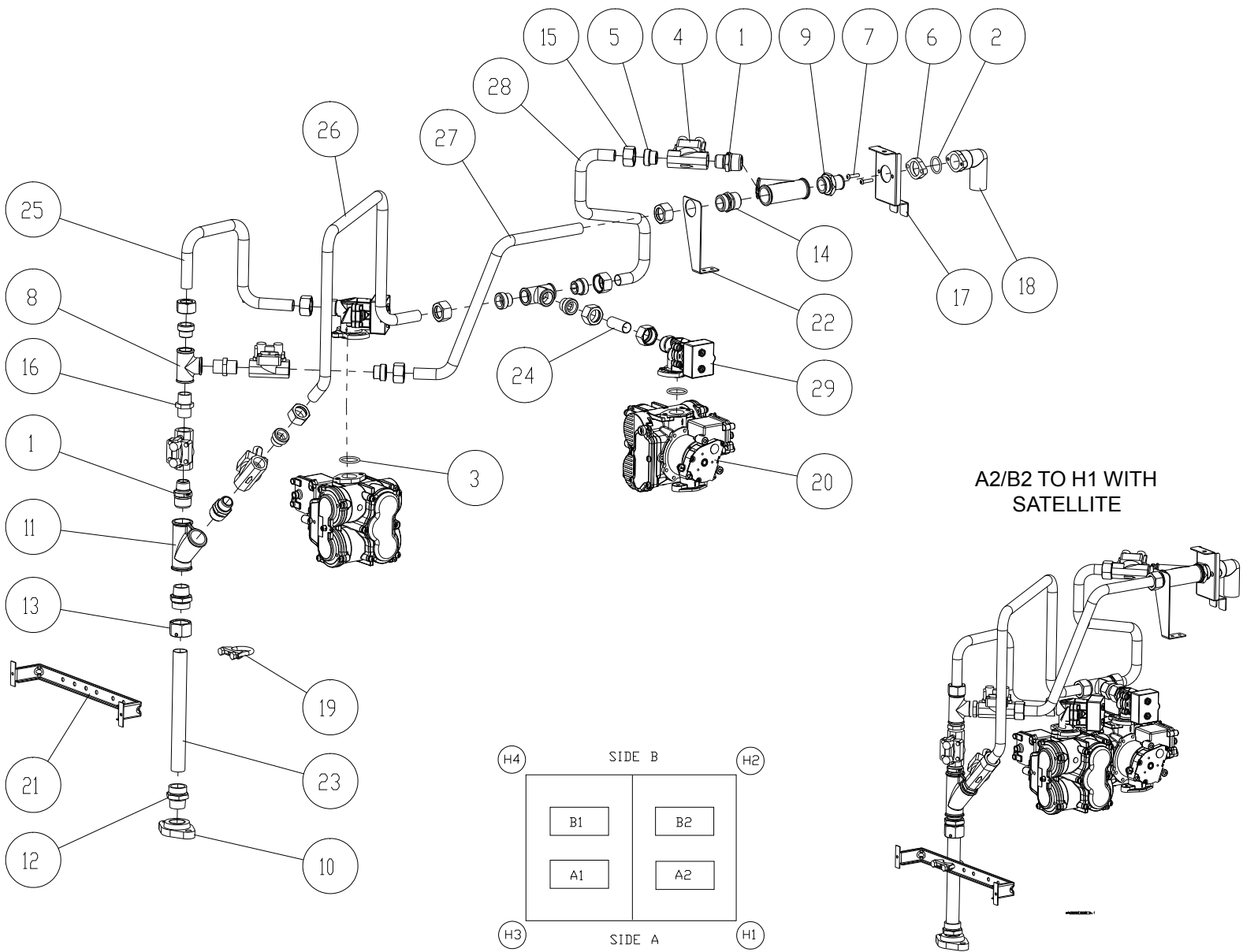
4.5.9 METERS A2/B2 TO HOSE H1 - SUBMERGED

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	Screw HFHSL M6x25	Vis Hex Br Autobl M6x25	900016-014	
3	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
4	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
5	Flange - Oval D28	Bride Ovale D28	900475	
6	Adaptor G1" M -D28 O-ring Connection	Rac Male G 1" Sortie Bourrelet	901316	
7	T45° Egal Piece 1"	Té45° Egale Pièce 1"	901610-001	
8	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
9	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
10	Bracket for Hose Connection Bracket for Hose Connection ALU	Support Coude Sortie Flex Support Coude Sortie Flex ALU	903590 952070	Aluminium
11	Hose Coupling 90 G1	Coude 90 Bride Axe 46 Sortie G1	903707	
12	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
13	Support Bracket HS Pipes	Support Bracket HS Pipes	946535	
14	Valve Assembly	EV Asm 24V	-	Refer to Valve & Fittings Assemblies
15	110 VHS Sub Pipe A	110 VHS Sub Tube A	949525	
16	110 VHS Sub Pipe B	110 VHS Sub Tube B	949526	



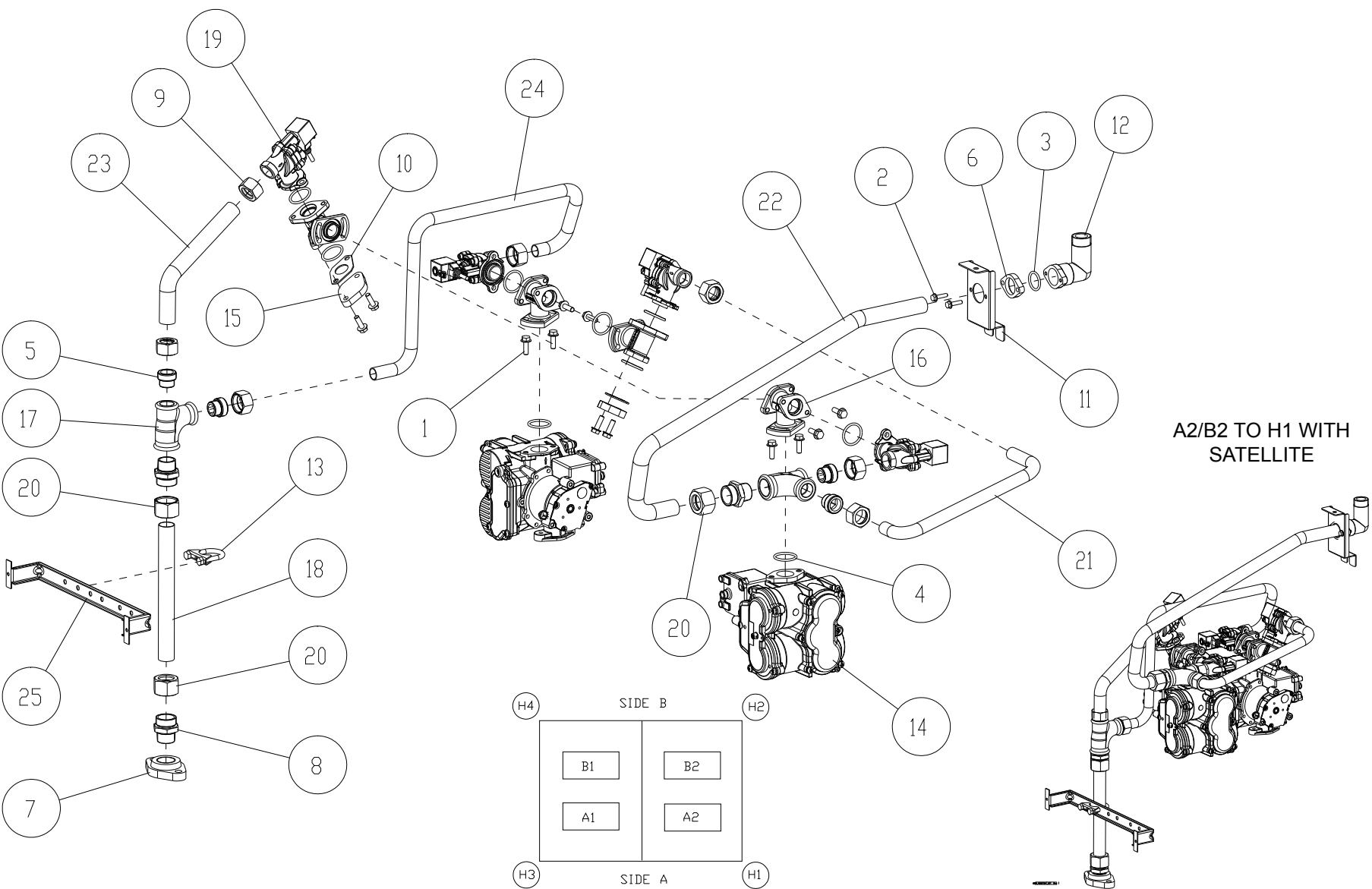
4.5.10 METERS A2/B2 TO HOSE H1 WITH SATELLITE - MANUFACTURED BEFORE DECEMBER 2010

Item No	Description	Désignation Français	Part No	Comments
1	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
2	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
3	Piston Valve 3/4 POM/PPS	Soupape 3/4DN17 POM/PPS	900080	Refer to Valve & Fittings Assemblies
4	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
5	Flange - Oval D28	Bride Ovale D28	900475	
6	Screw HSB M6x25	Vis M6x25	900795-003	
7	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
8	Adaptor G1" M -D28 O-ring Connector	Rac Male G 1" Sortie Bourrelet	901316	
9	Flange 1" 78mm	Bride 1" 78mm	901320-001	
10	T45° egal piece 1"	Té45° égale pièce 1"	901610-001	
11	Nipple 28mm M36x2-R1"	Douille 28mm M36x2-R1"	901767	
12	28mm Pipe Nut Assembly	Ecrou Tube 28mm Asm	-	Refer to Pipe Nut Assemblies
13	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
14	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
15	R3/4" x R3/4" Nipple	Machon R3/4" x R3/4"	902212-001	
16	Bracket for Hose Connection	Support Coude Sortie Flex	903590	
17	Hose Coupling 90 G1	Coude 90 brid axe 46 Sortie G1	903707	
18	32mm Clamp	Bride de 32mm	904256	
19	Nipple M-M 1" to 3/4"	Mamelon M-M 1" à 3/4"	906178	
20	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
21	Satellite Support Bracket	Satellite Support Bracket	946367	
22	Support Bracket High Speed Pipes	Support Bracket High Speed Pipes	946535	
23	Pipe PAS 3	Tube PAS 3	946619	
24	Pipe PAS 9	Tube PAS 9	946620	
25	Pipe PAS 7	Tube PAS 7	946621	
26	Pipe PAS 8	Tube PAS 8	946622	
27	Pipe PAS 6	Tube PAS 6	946623	
28	Pipe Pas HS SAT	Tube Pas HS SAT	946624	
29	Pipe PAS 2 Q110	Tube PAS 2 Q110	946626	
30	Valve Assembly	Valve Assembl	-	Refer to Valve & Fittings Assemblies



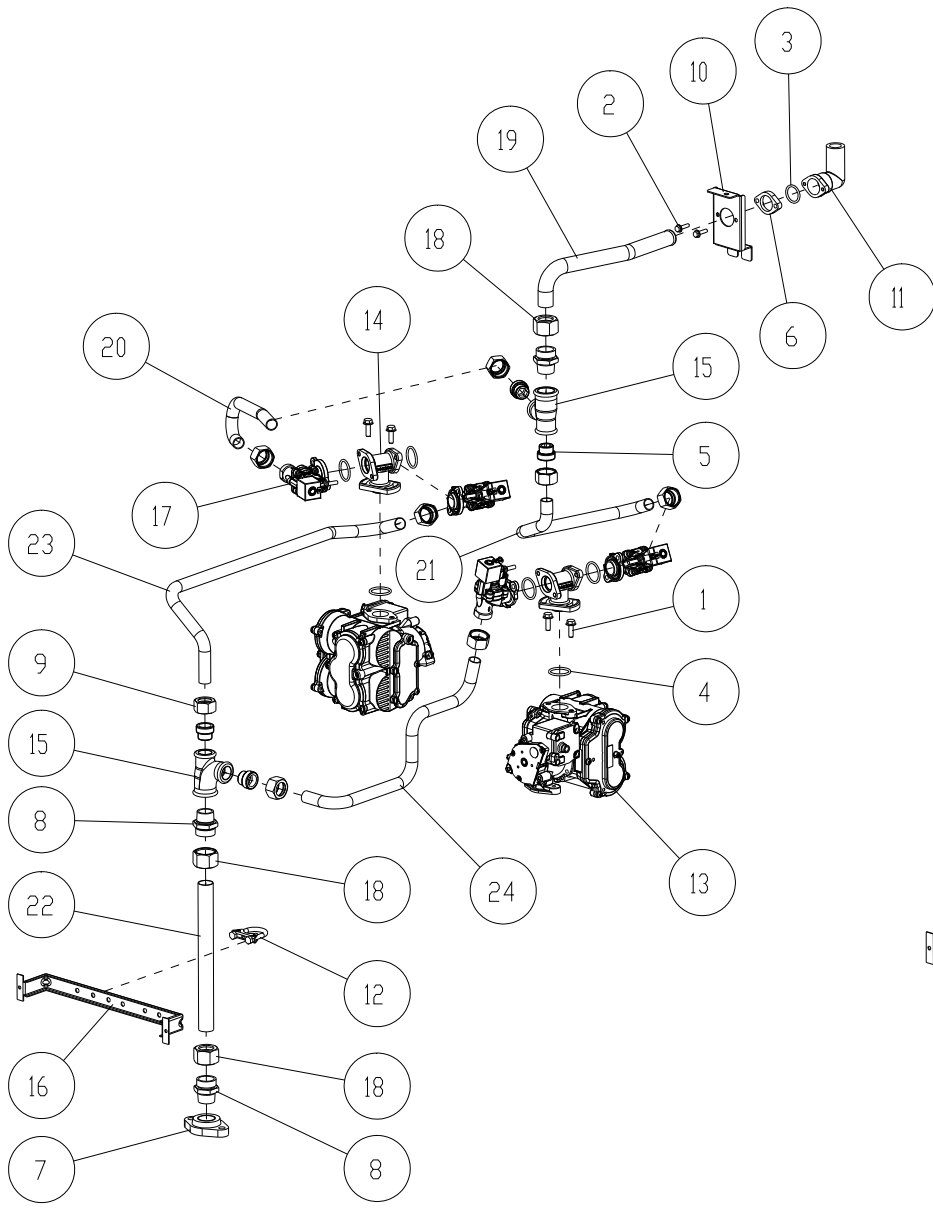
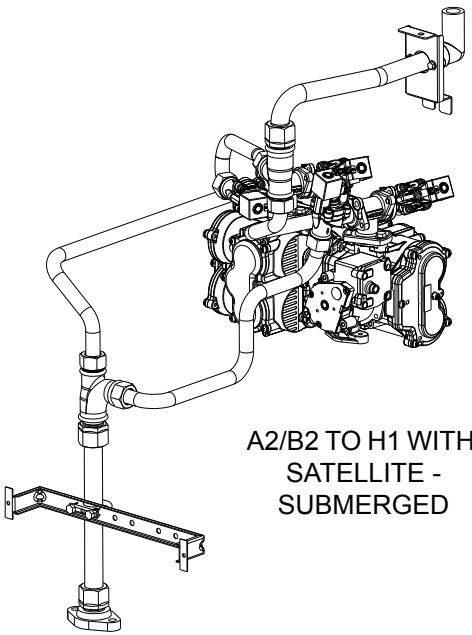
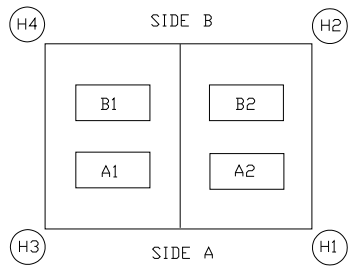
4.5.11 METERS A2/B2 TO HOSE H1 WITH SATELLITE - MANUFACTURED AFTER NOVEMBER 2010

Item No	Description	Désignation Français	Part No	Comments
1	Nipple 3/4"-1" BSPM	Rac Mam 3/4-1	900030-002	
2	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
3	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
4	Piston Valve 3/4 POM/PPS	Soupape 3/4DN17 POM/PPS	900080	Refer to Valve & Fittings Assemblies
5	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
6	Flange - Oval D28	Bride Ovale D28	900475	
7	Screw HSB M6x25	Vis M6x25	900795-003	
8	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
9	Adaptor G1" M -D28 O-ring Connection	Rac Male G 1" Sortie Bourrelet	901316	
10	Flange 1" 78mm	Bride 1" 78mm	901320-001	
11	T45° Egal Piece 1"	Té45° Egale Pièce 1"	901610-001	
12	Nipple 28mm M36x2-R1"	Douille 28mm M36x2-R1"	901767	
13	28mm Pipe Nut Assembly	Ecrou de Pression Tube 28mm	-	Refer to Pipe Nut Assemblies
14	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
15	22mm Pipe Nut Assembly	Ecrou de Pression Tube 22mm	-	Refer to Pipe Nut Assemblies
16	R3/4" x R3/4" Nipple	Machon R3/4" x R3/4"	902212-001	
17	Bracket for Hose Connection	Support Coude Sortie Flex	903590	
18	Hose Coupling 90 G1	Coude 90 Brid Axe 46 Sortie G1	903707	
19	32mm Clamp	Bride de 32mm	904256	
20	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
21	Satelite Support Bracket	Satelite Support Bracket	946367	
22	Support Bracket HS SAT	Support Bracket HS SAT	946535	
23	Pipe PAS HS SAT	Pipe PAS HS SAT	946624	
24	Pipe PAS 2	Pipe PAS 2	946626	
25	Pipe PAS 8	Pipe PAS 8	949545	
26	Pipe PAS 6	Pipe PAS 6	949546	
27	Pipe PAS 9	Pipe PAS 9	949547	
28	Pipe PAS 3	Pipe PAS 3	949548	
29	Valve & Assembly	Valve & Assembly	-	Refer to Valve & Fittings Assemblies



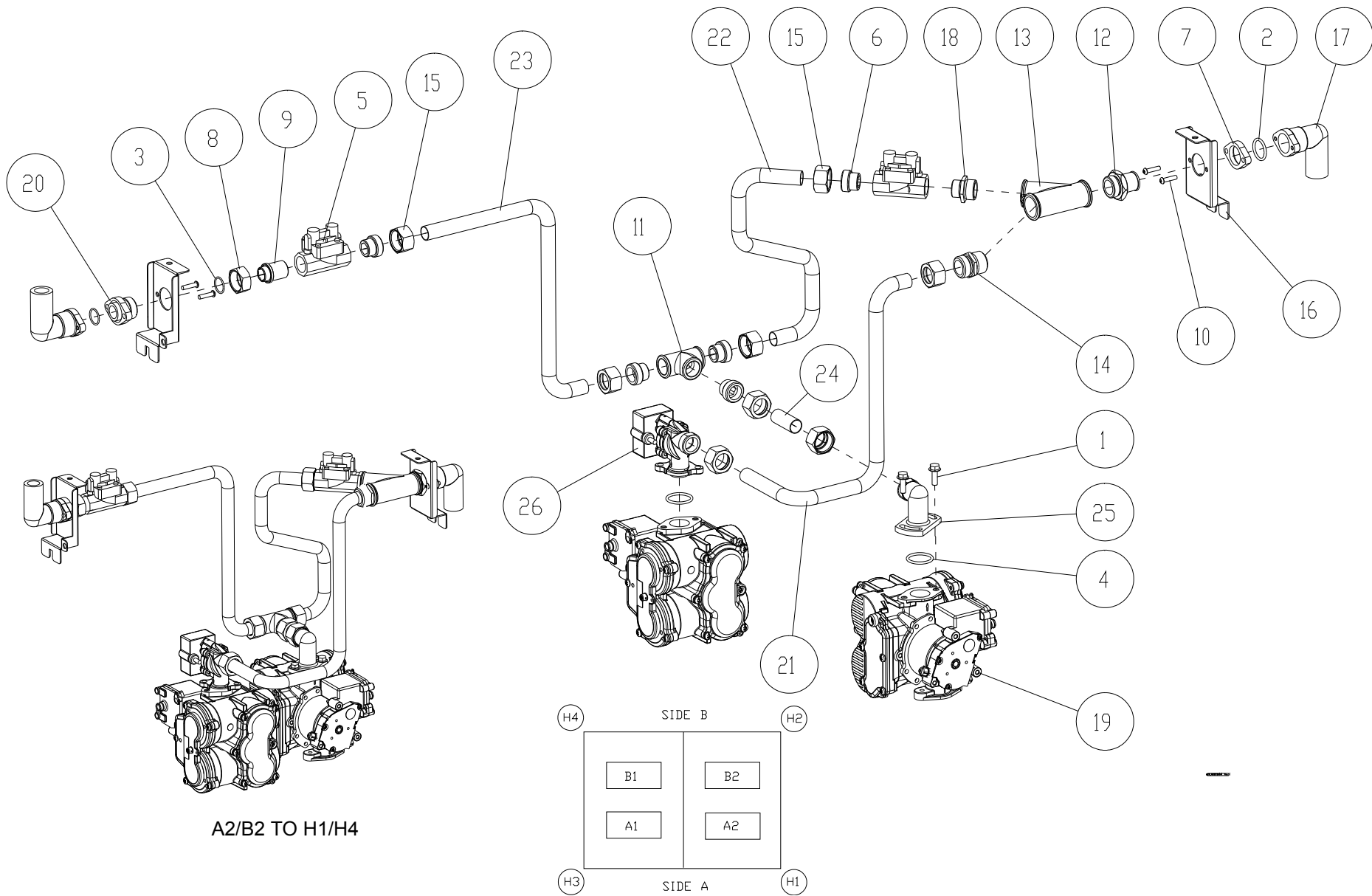
4.5.12 METERS A2/B2 TO HOSE H1 WITH SATELLITE - MANUFACTURED AFTER FEBRUARY 2012

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	Screw HFHSL M6x25	Vis Hex Br Autobl M6x25	900016-014	
3	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
4	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
5	Nipple 22mm G1	Douille 22mm G1	900416	
6	Flange - Oval D28	Bride Ovale D28	900475	
7	Flange 1" 78mm	Bride 1" 78mm	901320-001	
8	Nipple 28mm M36x2-R1"	Douille 28mm M36x2-R1"	901767	
9	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
10	Gasket 58 th 2 mm	Joint Plat 58 ep 2 mm	903438	
11	Bracket for Hose Connection Bracket for Hose Connection ALU	Support Coude Sortie Flex Support Coude Sortie Flex ALU	903590 952070	Aluminium
12	Hose Coupling 90 G1	Coude 90 Bride Axe 46 Sortie G1	903707	
13	32mm Clamp	Bride de 32mm	904256	
14	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies
15	Flange Oval without Holes	Bride Ovale sans Trous	908456	
16	Tee Connection Valvebox F/F/F	Raccord Te F-F-F Electrov	940300	
17	T 3/4"-3/4"-1" Female Thread	Raccord Te 3/4"-3/4"-1" Filet Fem	945101	
18	Pipe Pas HS SAT	Tube PAS HS SAT	946624	
19	Valve Assembly	EV Asm 24V	-	Refer to Valve & Fittings Assemblies
20	28mm Pipe Nut Assembly	Ecrou Tube 28mm Asm	-	Refer to Pipe Nut Assemblies
21	Pipe 22mm PASV3 130/40	Tube 22mm PASV3 130/40	951155	
22	Pipe 28mm PASV3 130/40	Tube 22mm SAT A2 Tee to H1	951156	
23	Pipe 22mm PASV3 130/40	Tube 22mm PASV3 130/40	951159	
24	Pipe 22mm B2 to Sat	Tube 22mm B2 to Sat	951286	
25	Satelite Support Bracket	Support Satellite	946367	



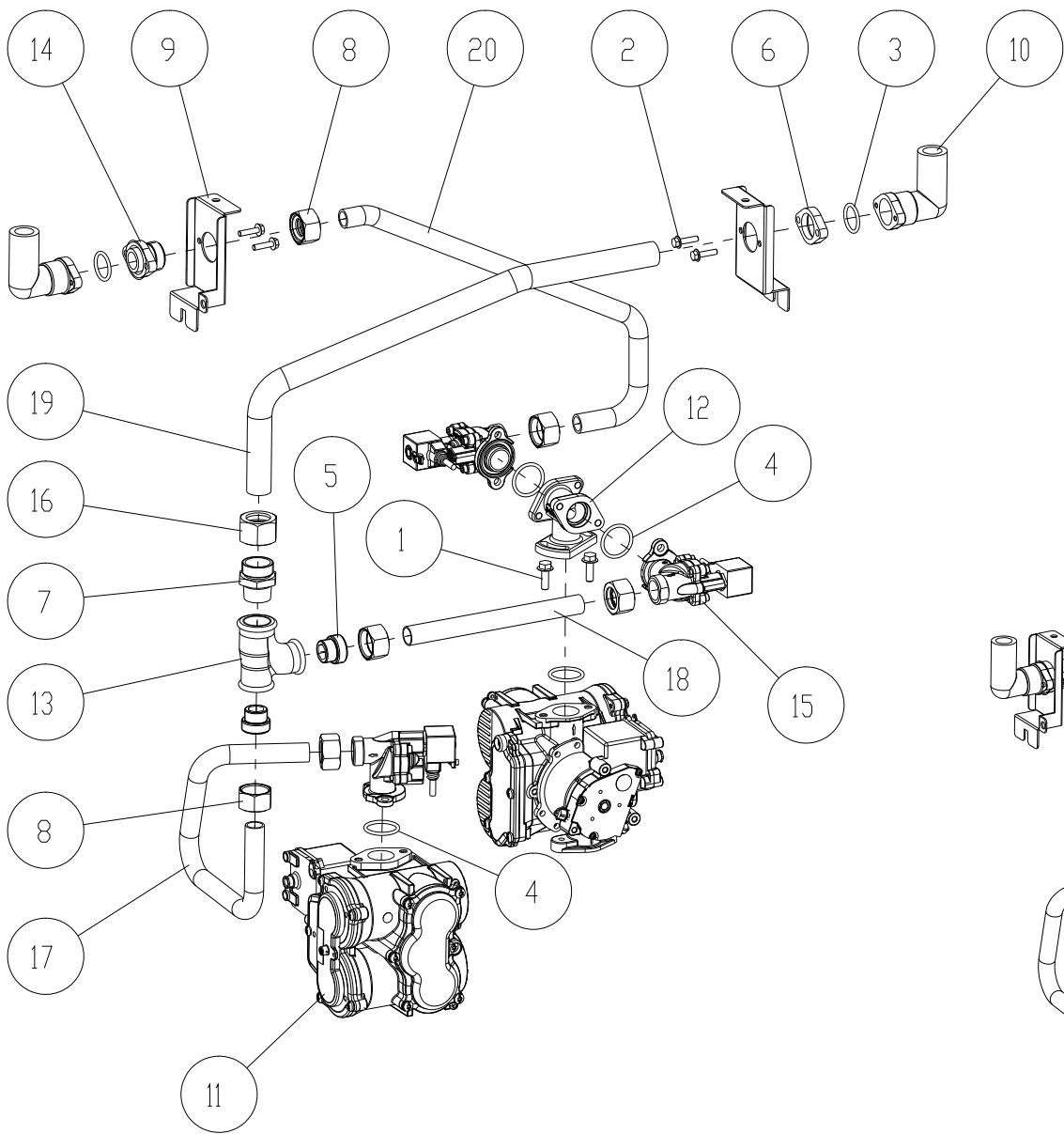
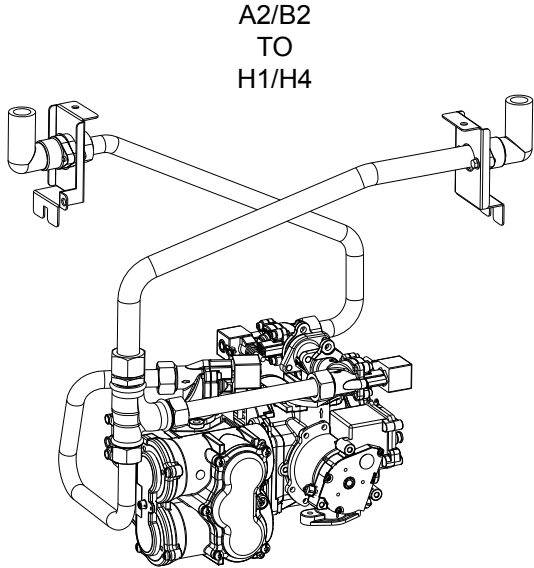
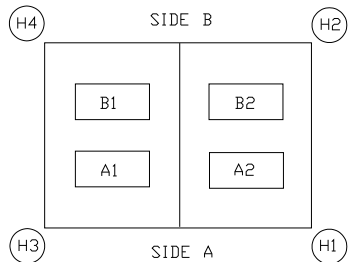
4.5.13 METERS A2/B2 TO HOSE H1 WITH SATELLITE - SUBMERGED

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	Screw HFHSL M6x25	Vis Hex Br Autobl M6x25	900016-014	
3	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
4	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
5	Nipple 22mm G1	Douille 22mm G1	900416	
6	Flange - Oval D28	Bride Ovale D28	900475	
7	Flange 1" 78mm	Bride 1" 78mm	901320-001	
8	Nipple 28mm M36x2-R1"	Douille 28mm M36x2-R1"	901767	
9	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
10	Bracket for Hose Connection	Support Coude Sortie Flex	903590	Aluminium
	Bracket for Hose Connection ALU	Support Coude Sortie Flex ALU	952070	
11	Hose Coupling 90 G1	Coude 90 Bride Axe 46 Sortie G1	903707	
12	32mm Clamp	Bride de 32mm	904256	
13	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
14	Tee Connection Valvebox F/F/F	Raccord Te F-F-F Electro	940300	
15	T 3/4"-3/4"-1" Female Thread	Raccord Te 3/4"-3/4"-1" Filet Fem	945101	
16	Satellite Support Bracket	Support Satellite	946367	
17	Valve Assembly	EV Asm 24V	-	Refer to Valve & Fittings Assemblies
18	28mm Pipe Nut Assembly	Ecrou Tube 28mm Asm	-	Refer to Pipe Nut Assemblies
19	Pipe H1 Master SAT Conn. Submerged	Tube H1 Master SAT Conn. Submerged	950610	
20	Pipe H1 Meter SAT Conn. Submerged	Tube H1 Meter SAT Conn. Submerged	950611	
21	Pipe H1 Master SAT Conn. Submerged	Tube H1 Master SAT Conn. Submerged	950612	
22	Pipe SAT Connection Submerged	Tube SAT Connection Submerged	950613	
23	Pipe SAT Meter Submerged	Tube SAT Meter Submerged	950614	
24	Pipe SAT Meter Submerged	Tube SAT Meter Submerged	950615	



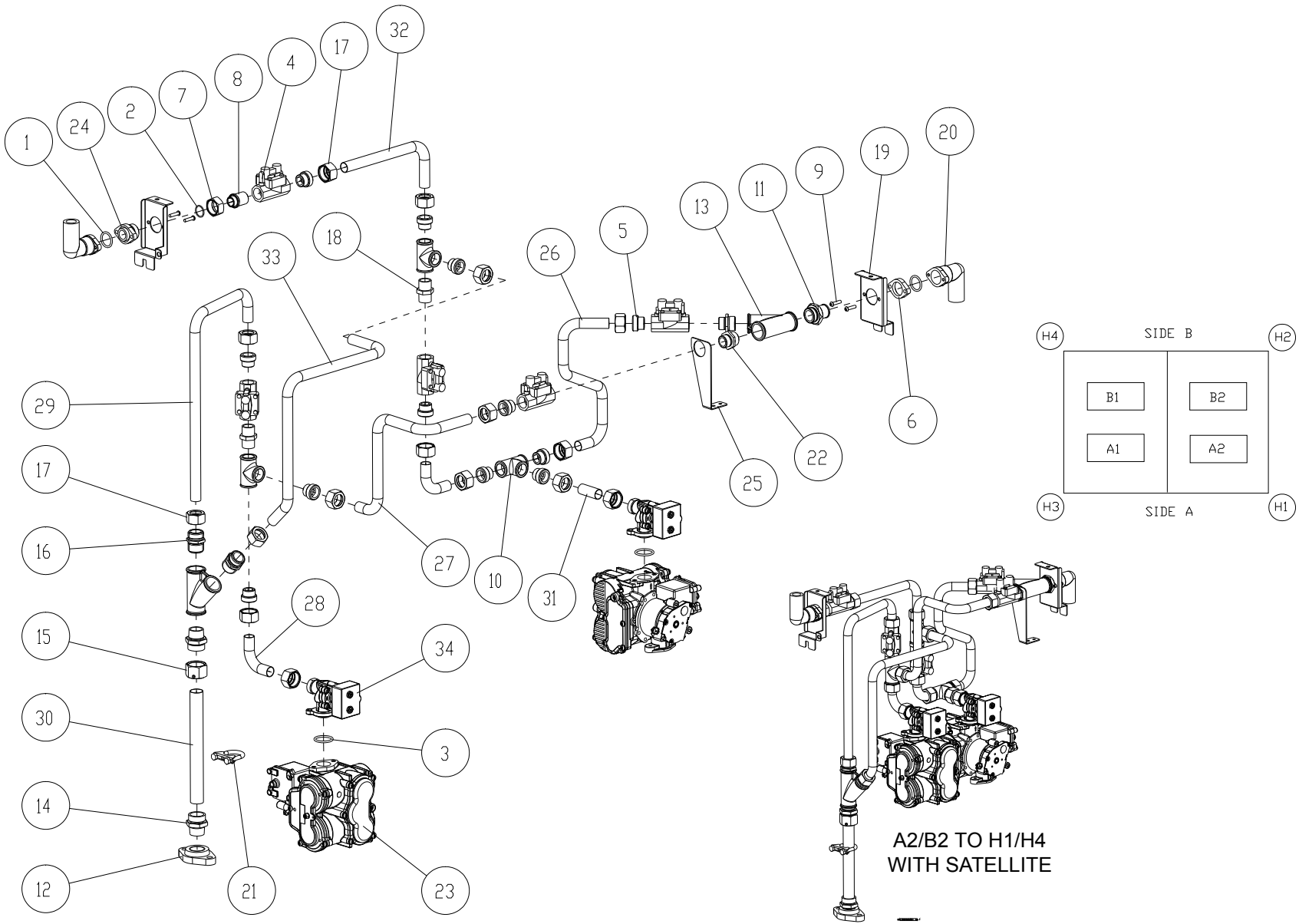
4.5.14 METERS A2/B2 TO HOSE H1/H4 - MANUFACTURED BEFORE MARCH 2012

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Bride Autobl. M8x25	900016-007	
2	O-Ring 27,80x3,60	Joint Torique 27,80x3,60	900050-016	
3	O-Ring 22,00x2,00	Joint Torique 22,00x2,00	900050-018	
4	O-Ring 34,10x3,60	Joint Torique 34,10x3,60	900050-019	
5	Piston Valve 3/4 POM/PPS	Soupape 3/4DN17 POM/PPS	900080	Refer to Valve & Fittings Assemblies
6	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
7	Flange - Oval D28	Bride Ovale D28	900475	
8	Pressure Nut G1"	Ecrou G1"	900791	
9	Nipple Coupling	Raccord Mamelon	900792	
10	Screw HSB M6x25	Vis M6x25	900795-003	
11	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
12	Adaptor G1" M -D28 O-ring Connector	Rac Male G 1" Sortie Bourrelet	901316	
13	T45° Egal Piece 1"	Té45° Egale Pièce 1"	901610-001	
14	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
15	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
16	Bracket for Hose Connection	Support Coude Sortie Flex	903590	
17	Hose Coupling 90 G1	Coude 90 Brid axe 46 Sortie G1	903707	
18	Nipple M-M 1" to 3/4"	Mamelon M-M 1" à 3/4"	906178	Before December 2010
	Coupling Nipple 3/4	Raccord Mamelon Réduit 3/4	900030-002	After November 2010
19	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
20	Flange Adaptor G1"- Pipe D22	Bride Adaptation G1"- Tube D22	946471	
21	Pipe PAS 2 Q210	Tube PAS 2 Q210	946617	Before December 2010
	Pipe PAS 2 210	Tube PAS 2 210	949553	After November 2010
22	Pipe PAS 3	Tube PAS 3	946619	Before December 2010
	Pipe PAS 3	Tube PAS 3	949548	After November 2010
23	Pipe PAS 4	Tube PAS 4	946625	Q210 Before December 2010
	Pipe PAS 1 Q110	Tube PAS 1 Q110	946627	Q110 Before December 2010
	Pipe PAS 4 210	Tube PAS 4 210	949552	Q210 After November 2010
	Pipe PAS 1 110	Tube PAS 1 110	949554	Q110 After November 2010
24	Pipe PAS 2 Q110	Tube PAS 2 Q110	946626	
25	Outlet Elbow Cast	Coude Alumini 	947587	
26	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies



4.5.15 METERS A2/B2 TO HOSES H1/H4 - MANUFACTURED AFTER FEBRUARY 2012

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	Screw HFHSL M6x25	Vis Hex Br Autobl M6x25	900016-014	
3	O-Ring 27,80x3,60	Joint Torique 27,80x3,60	900050-016	
4	O-Ring 34,10x3,60	Joint Torique 34,10x3,60	900050-019	
5	Nipple 22mm G1	Douille 22mm G1	900416	
6	Flange - oval D28	Bride ovale D28	900475	
7	Nipple 28mm M36x2-R1"	Douille 28mm M36x2-R1"	901767	
8	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
9	Bracket for Hose Connection Bracket for Hose Connection ALU	Support Coude Sortie Flex Support Coude Sortie Flex ALU	903590 952070	Aluminium
10	Hose Coupling 90 G1	Coude 90 Bride Axe 46 Sortie G1	903707	
11	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
12	Tee Connection Valvebox F/F/F	Raccord Te F-F-F Electrov	940300	
13	T 3/4"-3/4"-1" Female Thread	Raccord Te 3/4"-3/4"-1" Filet Fem	945101	
14	Flange Adaptor G1"- Pipe D22	Bride Adaptation G1"- Tube D22	946471	
15	Valve Assembly	EV Asm 24V	-	Refer to Valve & Fittings Assemblies
16	28mm Pipe Nut Assembly	Ecrou Tube 28mm Asm	-	Refer to Pipe Nut Assemblies
17	Pipe 40/130 B2-TEE 22mm	Tube 40/130 B2-TEE 22mm	951162	
18	Pipe 40/130 A2-TEE 22mm	Tube 40/130 A2-TEE 22mm	951163	
19	Pipe 130_40 Tee to H1 28mm	Tube 130/40 Tee to H1 28mm	951164	
20	Pipe 40/130 A2-H4 22mm Pipe 40/130 A2-H4 22mm	Tube 40/130 A2-H4 22mm Tube 40/130 A2-H4 22mm	951526 951165	Q110 only Q210 only

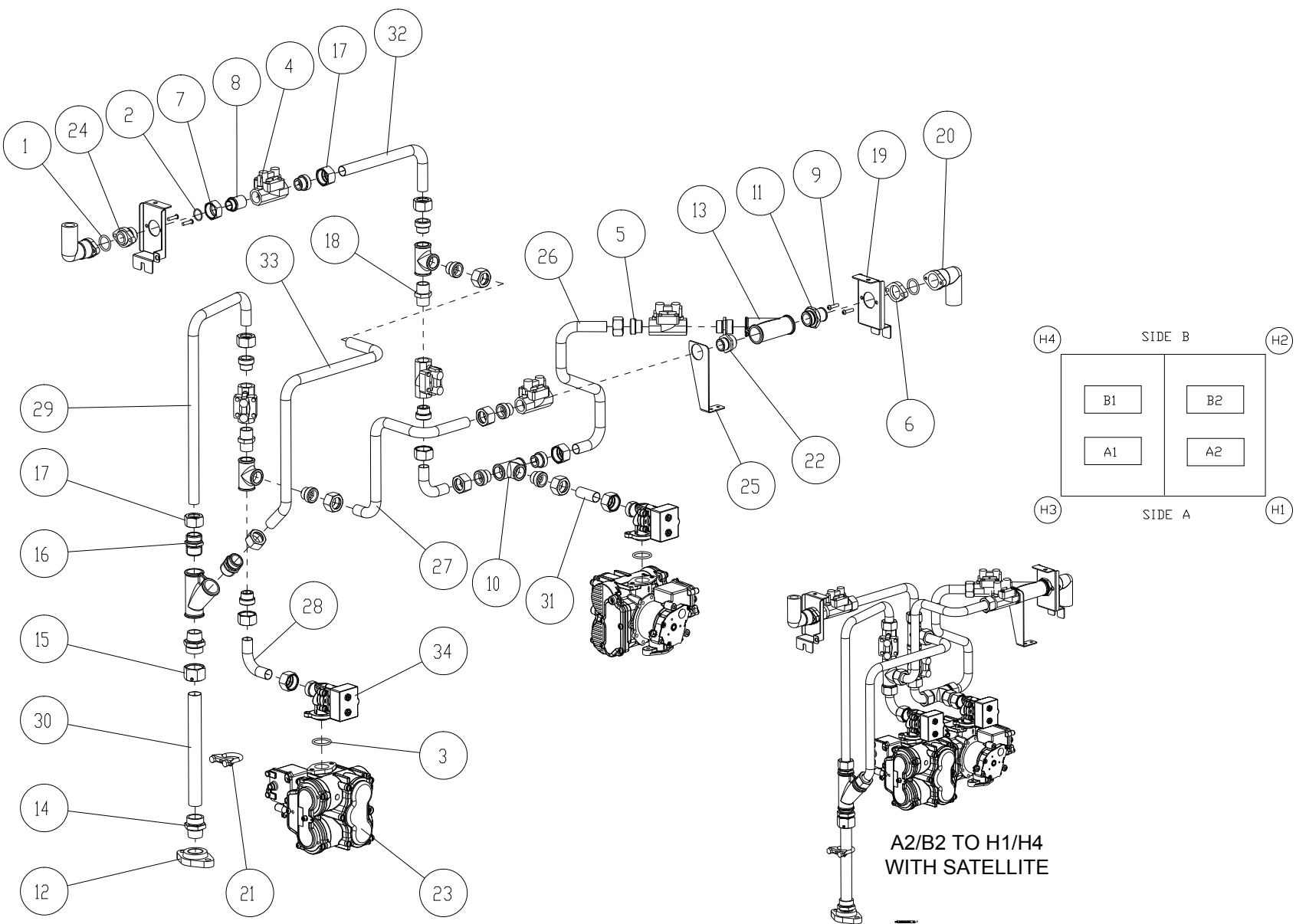


4.5.16 METERS A2/B2 TO HOSE H1/H4 WITH SATELLITE - MANUFACTURED BEFORE DECEMBER 2010

Item No	Description	Désignation Français	Part No	Comments
1	O-Ring 27,80x3,60	Joint Torique 27,80x3,60	900050-016	
2	O-Ring 22.00x2.00	Joint Torique 2.00x2.00	900050-018	
3	O-Ring 34,10x3,60	Joint Torique 34,10x3,60	900050-019	
4	Piston Valve 3/4 POM/PPS	Soupape 3/4DN17 POM/PPS	900080	Refer to Valve & Fittings Assemblies
5	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
6	Flange - Oval D28	Bride Ovale D28	900475	
7	Pressure Nut G1"	Ecrou G1"	900791	
8	Nipple Coupling	Raccord Mamelon	900792	
9	Screw HSB M6x25	Vis M6x25	900795-003	
10	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
11	Adaptor G1" M -D28 O-ring Connector	Rac Male G 1" Sortie Bourrelet	901316	
12	Flange 1" 78mm	Bride 1" 78mm	901320-001	
13	T45° Egal Piece 1"	Té45° Egale Pièce 1"	901610-001	
14	Nipple 28mm M36x2-R1"	Douille 28mm M36x2-R1"	901767	
15	Pressure Nut 28mm Pipe	Ecrou de Pression Tube 28mm	-	Refer to Pipe Nut Assemblies
16	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
17	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
18	R3/4" x R3/4" Nipple	Machon R3/4" x R3/4"	902212-001	
19	Bracket for Hose Connection	Support Coude Sortie Flex	903590	
20	Hose Coupling 90 G1	Coude 90 Brid Axe 46 Sortie G1	903707	
21	32mm Clamp	Bride de 32mm	904256	
22	Nipple M-M 1" to 3/4"	Mamelon M-M 1" à 3/4"	906178	
23	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
24	Flange Adaptor G1"- Pipe D22	Bride Adaptation G1"- Tube D22	946471	
25	Support Bracket High Speed Pipes	Support Bracket High Speed Pipes	946535	
26	Pipe PAS 3	Tube PAS 3	946619	
27	Pipe PAS 9	Tube PAS 9	946620	
28	Pipe PAS 7	Tube PAS 7	946621	

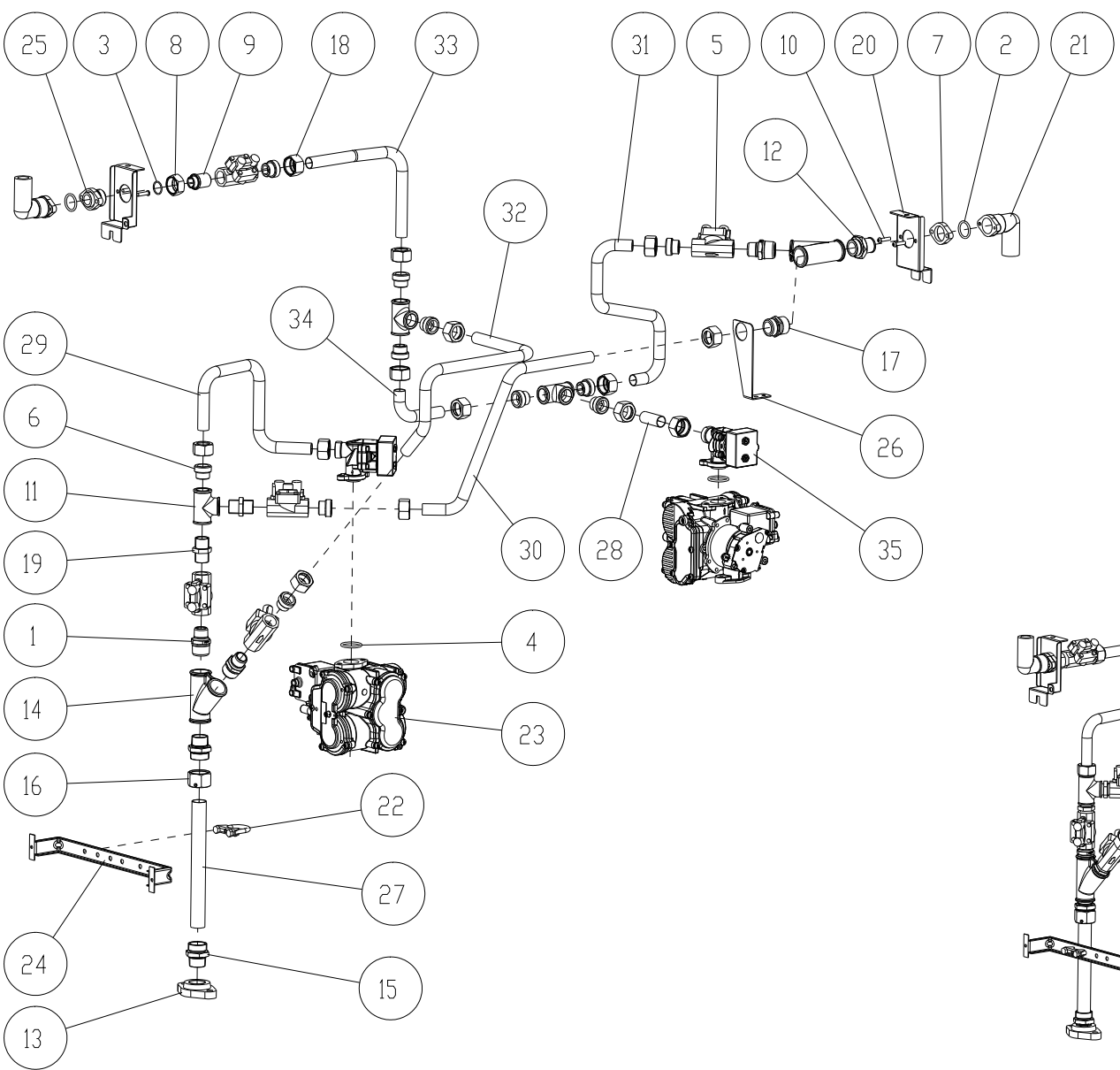
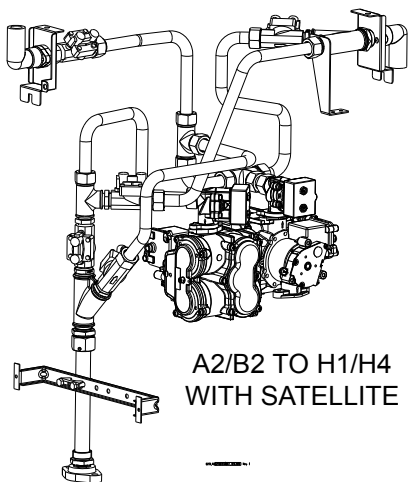
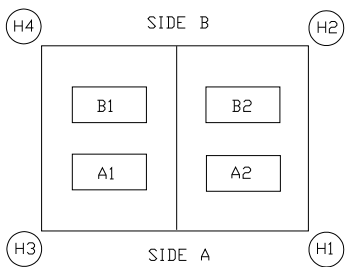
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4.5.16 METERS A2/B2 TO HOSE H1/H4 WITH SATELLITE - MANUFACTURED BEFORE DECEMBER 2010 (CONT.)

Item No	Description	Désignation Français	Part No	Comments
29	Pipe PAS 8	Tube PAS 8	946622	
30	Pipe Pas HS SAT	Tube Pas HS SAT	946624	
31	Pipe PAS 2	Tube PAS 2	946626	
32	Pipe PAS 4	Tube PAS 4	947195	
33	Pipe PAS 6	Tube PAS 6	947196	
34	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assembly

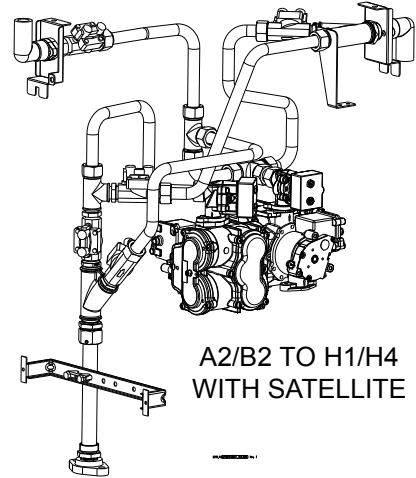
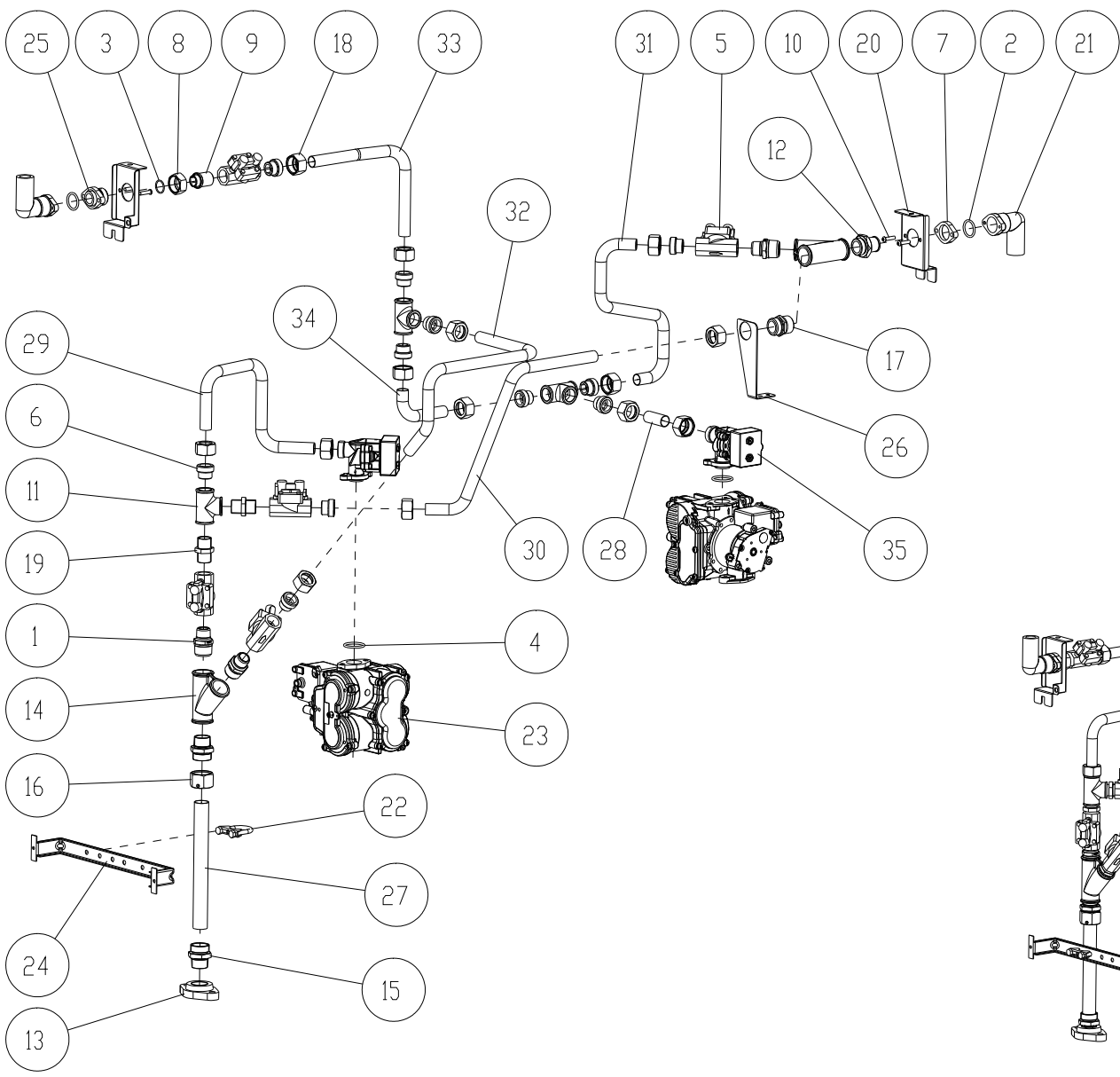
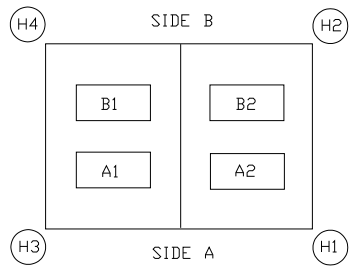


4.5.17 METERS A2/B2 TO HOSES H1/H4 WITH SATELLITE - MANUFACTURED AFTER NOVEMBER 2010

Item No	Description	Désignation Français	Part No	Comments
1	Nipple 3/4"-1" BSPM	Rac Mam 3/4-1	900030-002	
2	O-Ring 27,80x3,60	Joint Torique 27,80x3,60	900050-016	
3	O-Ring 22,00x2,00	Joint Torique 22,00x2,00	900050-018	
4	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
5	Piston Valve 3/4 POM/PPS	Soupape 3/4DN17 POM/PPS	900080	Refer to Valve & Fittings Assembly
6	Nipple 22mm G1"-G3/4"	Douille 22mm G1	900416	
7	Flange - Oval D28	Bride Ovale D28	900475	
8	Pressure Nut G1"	Ecrou G1"	900791	
9	Nipple Coupling	Raccord Mamelon	900792	
10	Screw HSB M6x25	Vis M6x25	900795-003	
11	T 3/4" Female Thread	Raccord Te 3/4" Filet Fem	900847-001	
12	Adaptor G1" M -D28 O-ring Connection	Rac Male G 1" Sortie Bourrelet	901316	
13	Flange 1" 78mm	Bride 1" 78mm	901320-001	
14	T45° Egal Piece 1"	Té45° Egale Pièce 1"	901610-001	
15	Nipple 28mm M36x2-R1"	Douille 28mm M36x2-R1"	901767	
16	28mm Pipe Nut Assembly	Ecrou de Pression Tube 28mm	-	Refer to Pipe Nut Assemblies
17	Nipple 22mm G1"-G1"	Douille 22 mm G1"-G1"	901772	
18	22mm Pipe Nut Assembly	Ecrou de Pression Tube 22mm	-	Refer to Pipe Nut Assemblies
19	R3/4" x R3/4" Nipple	Machon R3/4" x R3/4"	902212-001	
20	Bracket for Hose Connection	Support Coude Sortie Flex	903590	
21	Hose Coupling 90 G1	Coude 90 Brid Axe 46 Sortie G1	903707	
22	32mm Clamp	Bride de 32mm	904256	
23	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
24	Satelite Support Bracket	Satellite Support	946367	
25	Flange adaptor G1"- Pipe D22	Bride Adaptation G1"- Tube D22	946471	
26	Support Bracket HS Pipes	HS Tubes Support	946535	
27	Pipe Pas HS SAT	Tube PAS HS SAT	946624	
28	Pipe PAS 2	Tube PAS 2	946626	

(CONT.)

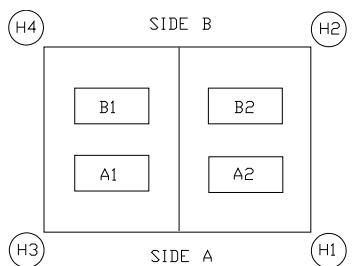




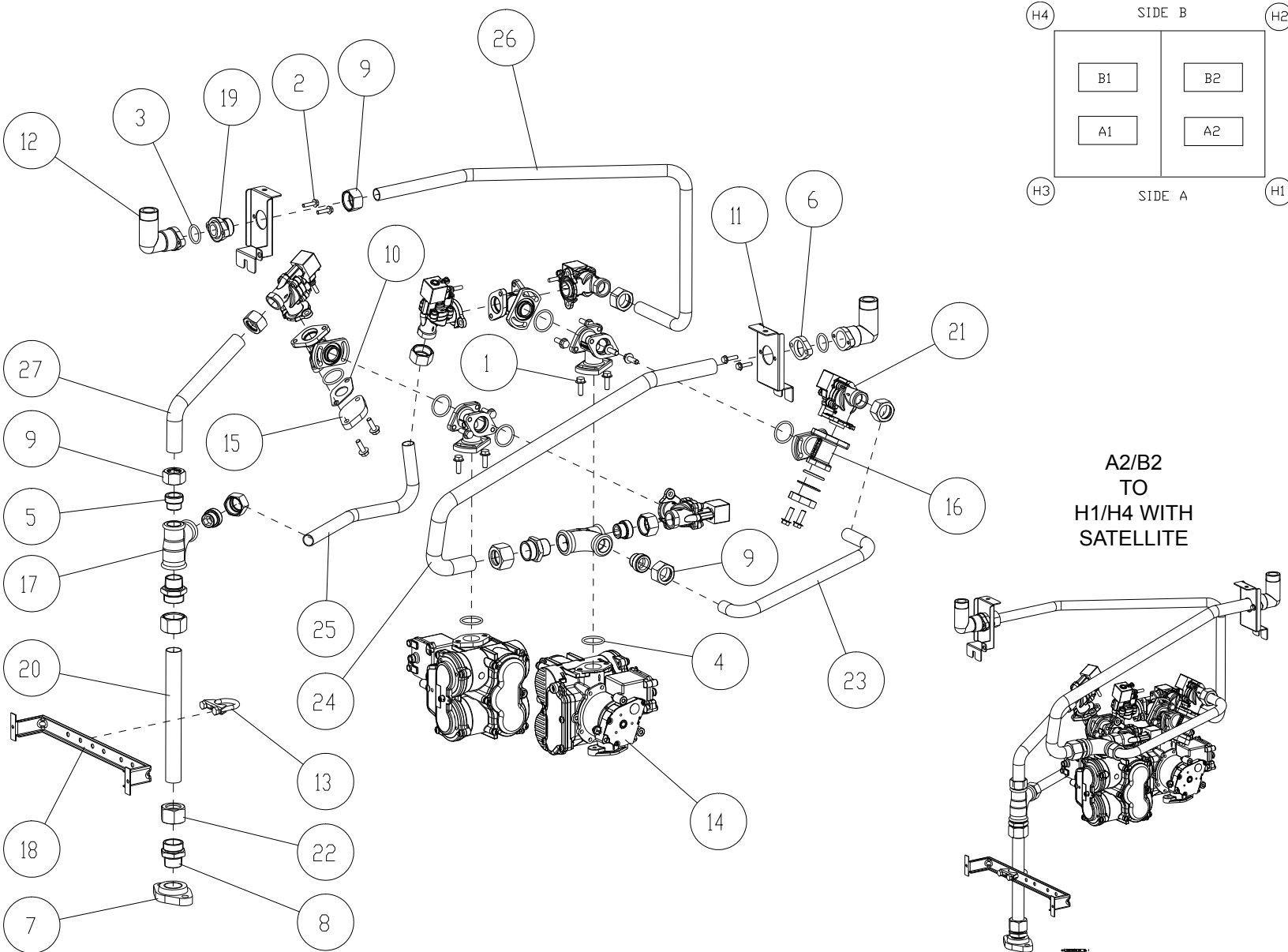
4.5.17 METERS A2/B2 TO HOSES H1/H4 WITH SATELLITE - MANUFACTURED AFTER NOVEMBER 2010 (CONT.)

Item No	Description	Désignation Français	Part No	Comments
29	Pipe PAS 8	Tube PAS 8	949545	
30	Pipe PAS 9	Tube PAS 9	949547	
31	Pipe PAS 3	Tube PAS 3	949548	
32	Pipe PAS 6	Tube PAS 6	949549	
33	Pipe PAS 4	Tube PAS 4	949550	
34	Pipe PAS 7	Tube PAS 7	949551	
35	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assembly



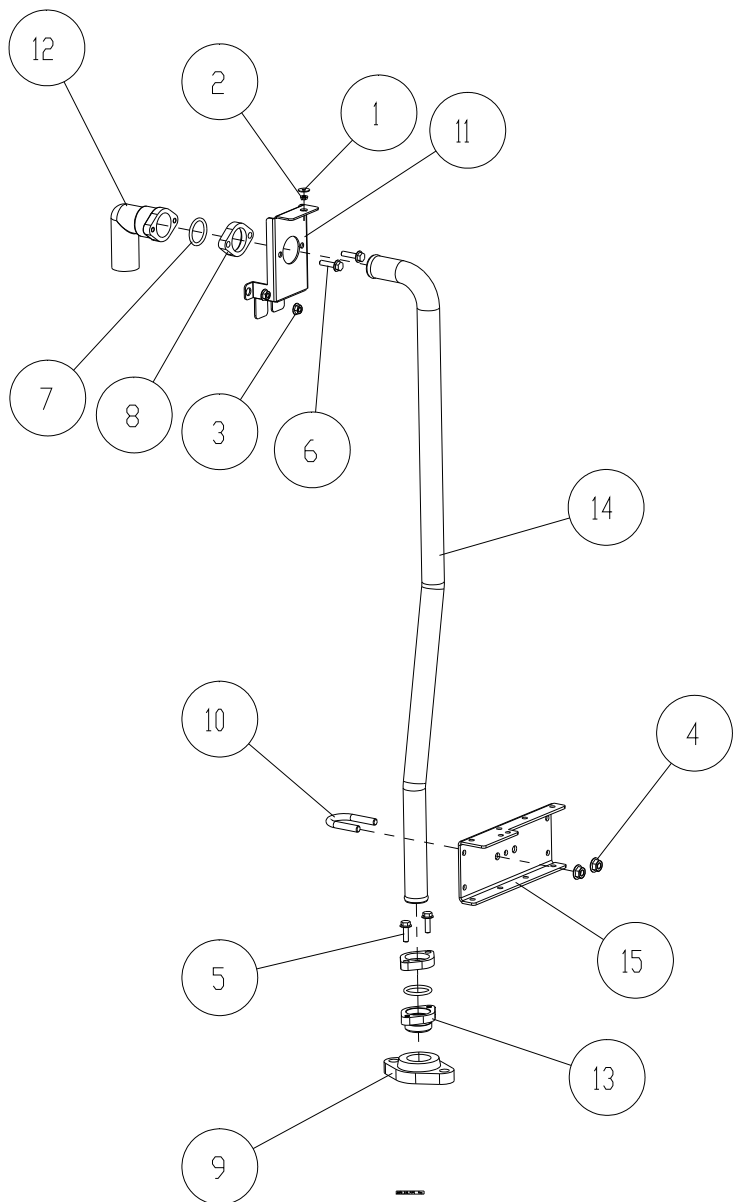
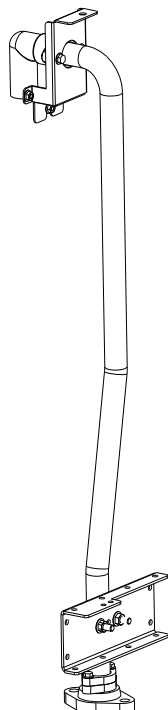


A2/B2
TO
H1/H4 WITH
SATELLITE



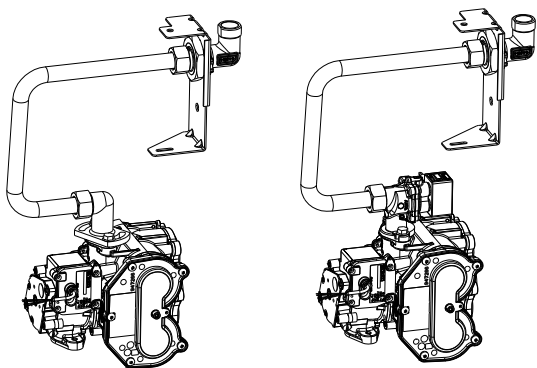
4.5.18 METERS A2/B2 TO HOSES H1/H4 WITH SATELLITE - MANUFACTURED AFTER FEBRUARY 2012

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	Screw HFHSL M6x25	Vis Hex Br Autobl M6x25	900016-014	
3	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
4	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
5	Nipple 22mm G1	Douille 22mm G1	900416	
6	Flange - Oval D28	Bride Ovale D28	900475	
7	Flange 1" 78mm	Bride 1" 78mm	901320-001	
8	Nipple 28mm M36x2-R1"	Douille 28mm M36x2-R1"	901767	
9	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
10	Gasket 58 th 2 mm	Joint plat 58 ep 2 mm	903438	
11	Bracket for Hose Connection Bracket for Hose Connection ALU	Support Coude Sortie Flex Support Coude Sortie Flex ALU	903590 952070	Aluminium
12	Hose Coupling 90 G1	Coude 90 Bride Axe 46 Sortie G1	903707	
13	32mm Clamp	Bride de 32mm	904256	
14	Meter Assembly	Meter Asm	-	Refer to Hydraulic Stack Assemblies
15	Flange Oval without Holes	Bride Ovale sans Trous	908456	
16	Tee Connection Valvebox F/F/F	Raccord Te F-F-F Electrov	940300	
17	T 3/4"-3/4"-1" Female Thread	Raccord Te 3/4"-3/4"-1" Filet Fem	945101	
18	Satellite Support Bracket	Support Satellite	946367	
19	Flange Adaptor G1"- Pipe D22	Bride Adaptation G1"- Tube D22	946471	
20	Pipe PAS HS SAT	Tube PAS HS SAT	946624	
21	Valve Assembly	EV Asm 24V	-	Refer to Valve & Fittings Assemblies
22	28mm Pipe Nut Assembly	Ecrou Tube 28mm Asm	-	Refer to Pipe Nut Assemblies
23	Pipe 22mm PASV3 130/40	Tube 22mm PASV3 130/40	951155	
24	Pipe 28mm PASV3 130/40	Tube 22mm SAT A2 Tee to H1	951156	
25	Pipe 22mm PASV3 130/40	Tube 22mm PASV3 130/40	951157	
26	Pipe 22mm B1 TEE TO H2	Tube 22mm B1 TEE TO H2	951158	
27	Pipe 22mm PASV3 130/40	Tube 22mm PASV3 130/40	951159	

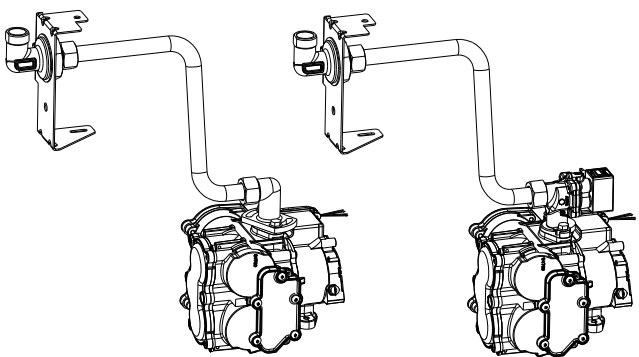
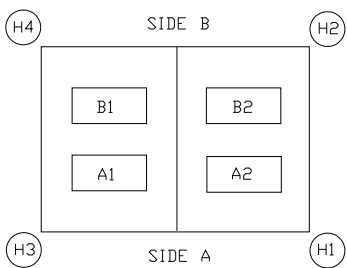
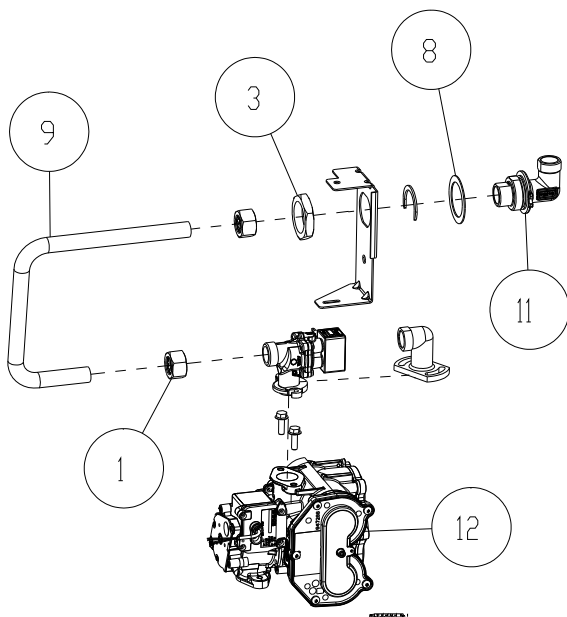


4.5.19 Q210 SDS PIPE ASSEMBLY

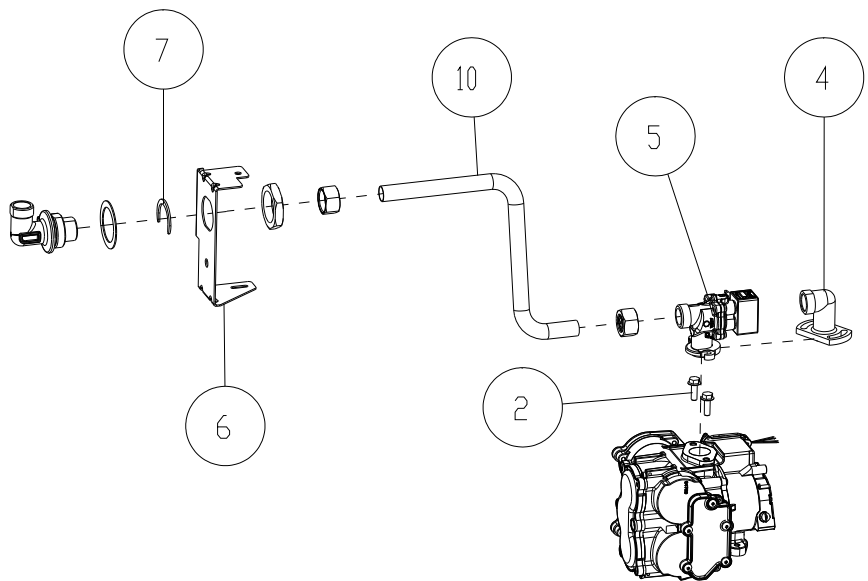
Item No	Description	Désignation Français	Part No	Comments
1	Washer PI L4	Rondelle PI L4	900008-018	
2	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
5	Screw HFHSL M6x20	Vis Hex Br Autobl M6x20	900016-013	
6	Screw HFHSL M6x25	Vis Hex Br Autobl M6x25	900016-014	
7	O-Ring 2.80x3.60	Joint Torique 27.80x3.60	900050-016	
8	Flange - Oval D28	Bride Ovale D28	900475	
9	Flange 1" 78mm	Bride 1" 78mm	901320-001	
10	U-Bolt 3/4"	Collier 3/4"	903160-001	
11	Bracket for Hose Connection Bracket for Hose Connection ALU	Support Coude Sortie Flex Support Coude Sortie Flex ALU	903590 952070	Aluminium
12	Hose Coupling 90 G1	Coude 90 Brid axe 46 Sortie G1	903707	
13	Flange Adaptor G1"- Pipe D28	Bride Adaptation G1"- Tube D28	905751	
14	Pipe SDS	Tube Borne Satellite	905800	
15	Bracket U for SDS	Support en U de Borne SAT.	952478	



STANDARD A2 TO H1



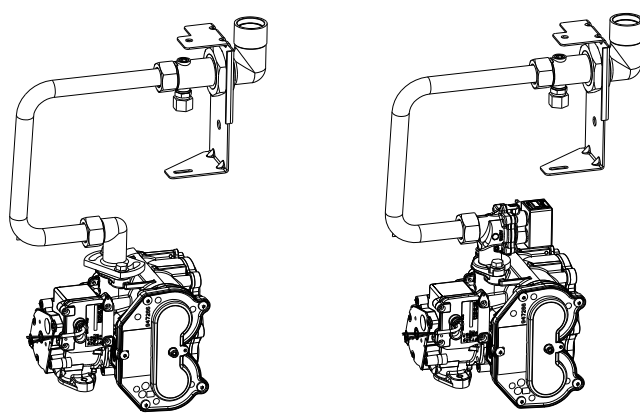
STANDARD B1 TO H4



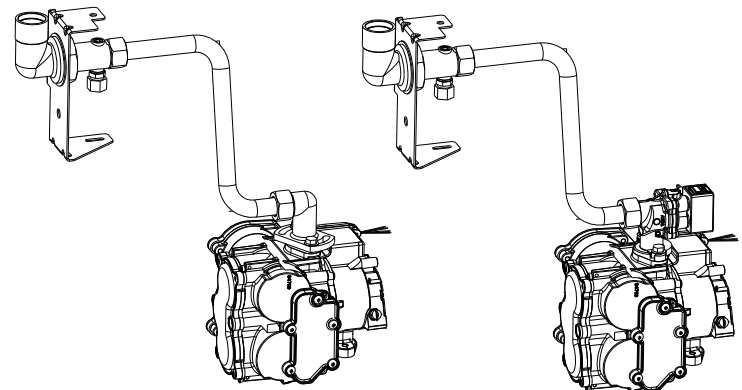
4.6 Pipe Assemblies - Manufactured After June 2013

4.6.1 METER A2 TO HOSE H1 AND METER B1 TO HOSE H4 (STANDARD)

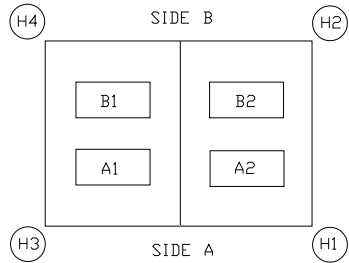
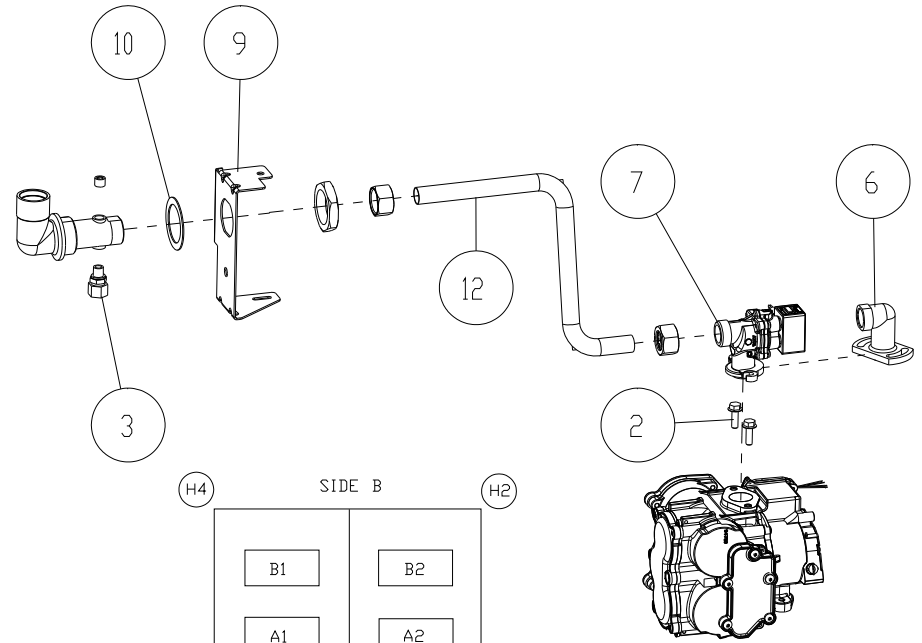
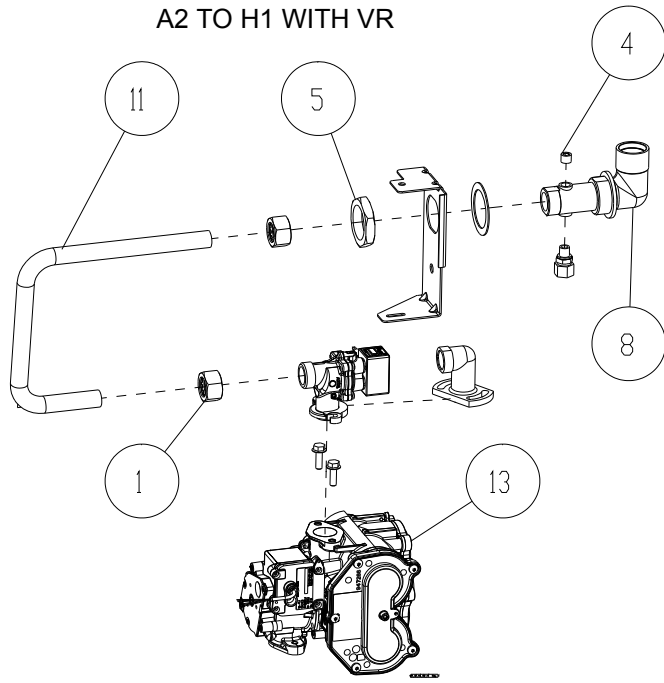
Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
2	Screw HFHSL M8x25	Vis Bride Hex Autobloq M8x25	900016-007	
3	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
4	Outlet Elbow Cast	Sortie de SM de coude de bride	947587	
5	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies
6	Brkt Hose Connection	Brkt Flexible Connection	953826	
7	Plate Hose Connection	Plate Flexible Connection	953827	
8	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
9	Drip tray lateral frame	strct latérale bac récup	953874	
10	Pipe B1 - H4	Tube B1 - H4	953850	
11	Flange Adapter Non-VR (Cast)	Adapteur Bride Non-VR (moulé)	943914	
12	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies



A2 TO H1 WITH VR

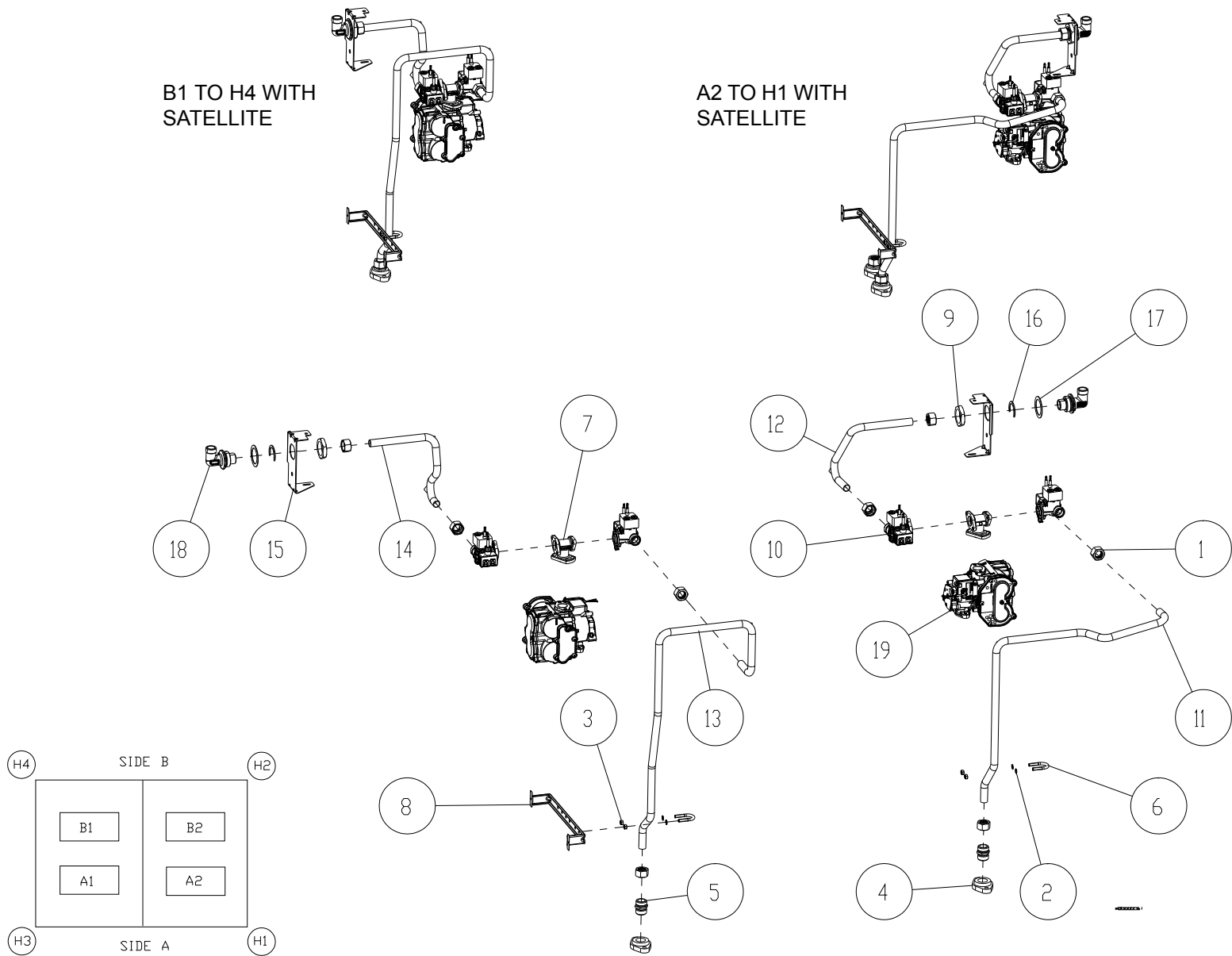


B1 TO H4 WITH VR



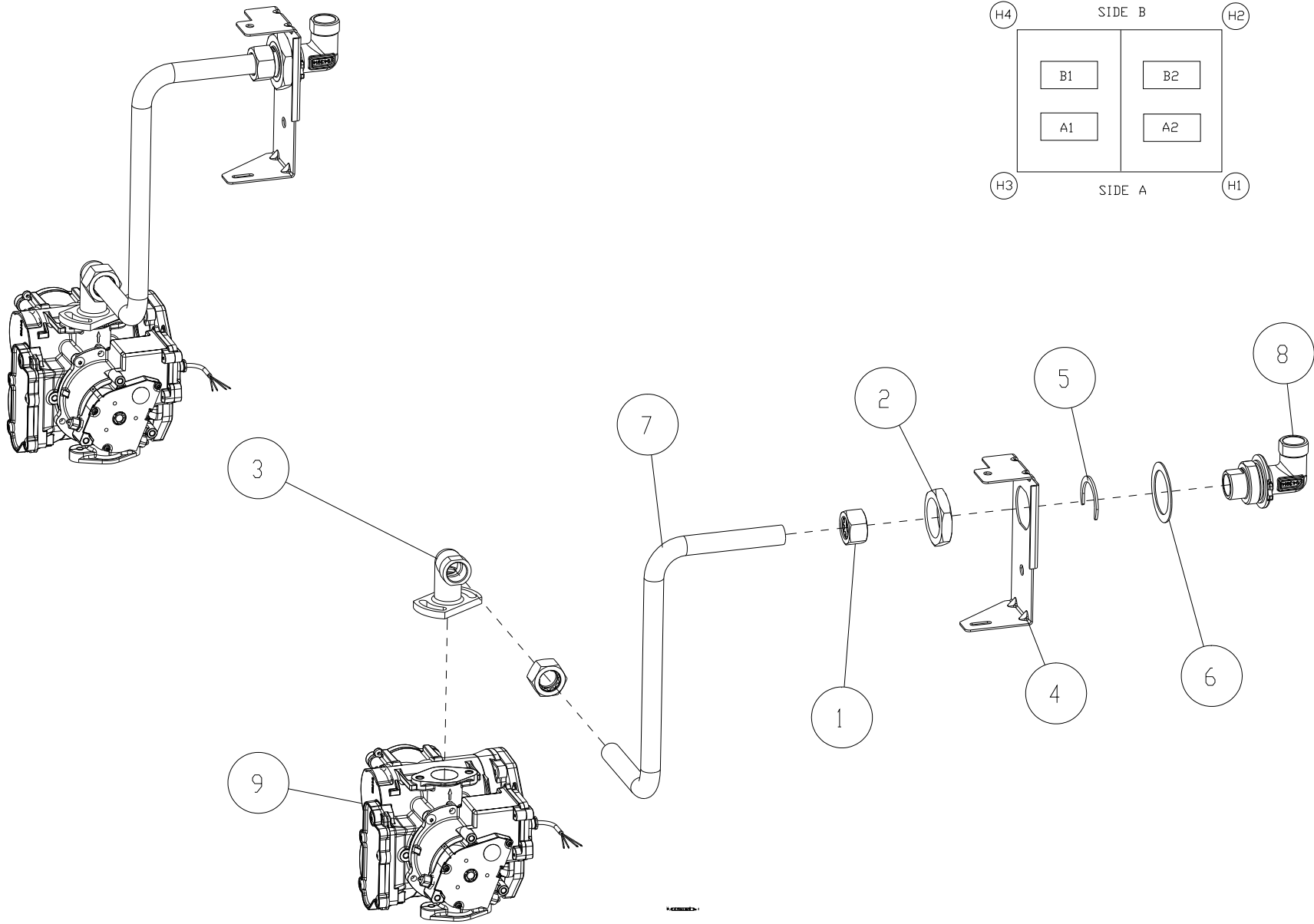
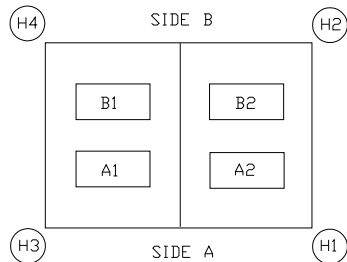
4.6.2 METER TO A2 HOSE H1 AND METER B1 TO HOSE H4 (WITH VR)

Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut Assembly	Ecrou Tube 22mm Asm	-	Refer to Pipe Nut Assemblies
2	Screw HFHSL M8x25	Vis Bride Hex Autobloq M8x25	900016-007	
3	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
4	Pipe plug 1/4	Obturateur 1/4 pouce	901791-001	
5	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
6	Outlet Elbow Cast	Sortie de SM de coude de bride	947587	
7	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies
8	Flange Adaptor-VR Q1/2	Flange Adaptor-VR Q1/2	951802	
9	Brkt Hose Connection	Brkt Flexible Connection	953826	
10	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
11	Pipe A2 - H1	Tube A2 - H1	953849	
12	Pipe B1 - H4	Tube B1 - H4	953850	
13	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies



4.6.3 METER A2 TO HOSE H1 AND METER B1 TO HOSE H4 (WITH SATELLITE)

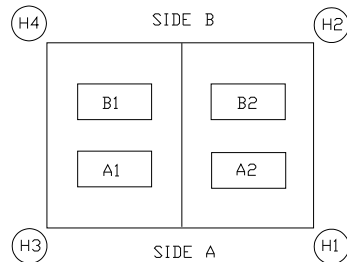
Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut Assembly	Ecrou Tube 22mm Assembly	-	Refer to Pipe Nut Assemblies
2	Washer Serr Lock Ext M8	Rondelle_à_éventail M8	900009-002	
3	Nut hex M8	Ecrou hexagonal M8	900011-003	
4	Flange 1" 78mm	Bride 1" 78mm	901320-001	
5	Nipple 22mm G1" - G1"	Douille 1" G1	901772	
6	U-Bolt 3/4"	Collier 3/4"	903160-001	
7	Tee connection Valvebox F/F/F	Raccord TE. F-F-F.Electrov	940300	
8	Support For Satelite Bracket	Support For Satelite Bracket	946367	
9	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
10	ASCO valve double 24v-All fuel	EV ASCO double 24v-tout carbu	-	Refer to Valve & Fittings Assemblies
11	Pipe A2-Sat	Tube A2-Sat	953606	
12	Pipe A2-H1	Tube A2-H1	953607	
13	Pipe B2-Sat	Tube B2-Sat	953639	
14	Pipe B2-H4	Tube B2-H4	953640	
15	Brkt Hose Connection	Brkt Flexible Connection	953826	
16	Plate Hose Connection	Plate Flexible Connection	953827	
17	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
18	Flange Adapter Non-VR (Cast)	Adapteur Bride Non-VR (moulé)	943914	
19	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies



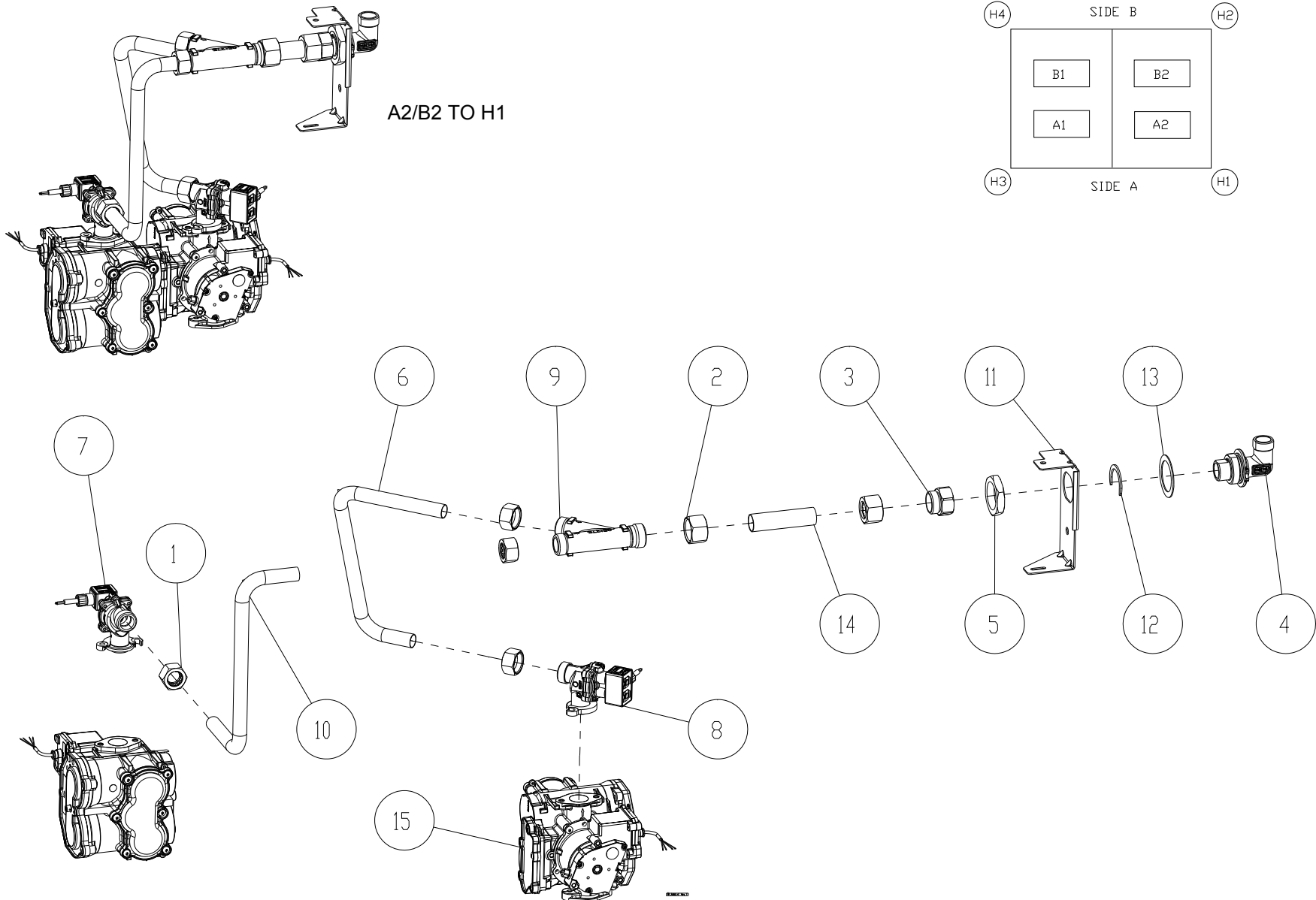
4.6.4 METER A2 TO HOSE H1 (PASV3 80LPM)

Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut Assembly	Ecrou Tube 22mm Assembly	-	Refer to Pipe Nut Assemblies
2	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
3	Outlet Elbow Cast	Sortie de SM de coude de bride	947587	
4	Brkt Hose Connection	Brkt Flexible Connection	953826	
5	Plate Hose Connection	Plate Flexible Connection	953827	
6	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
7	Pipe A2 - H1	Tube A2 - H1	953858	
8	Flange Adapter Non-VR (Cast)	Adapteur Bride Non-VR (moulé)	943914	
9	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies



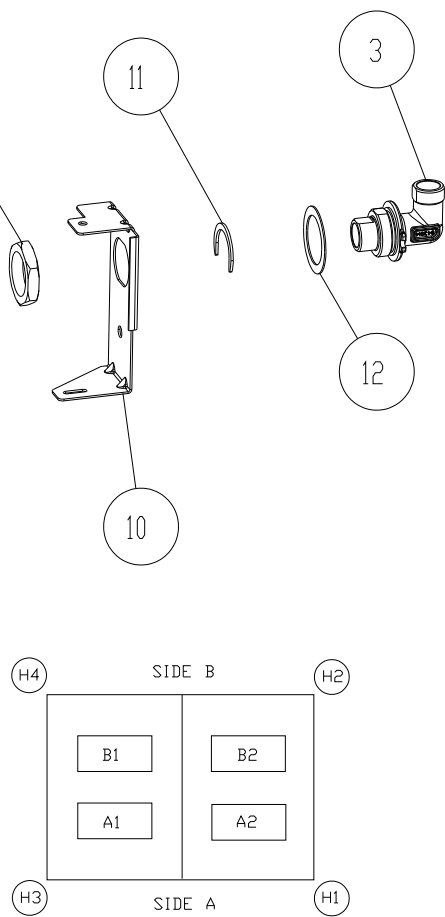


A2/B2 TO H1

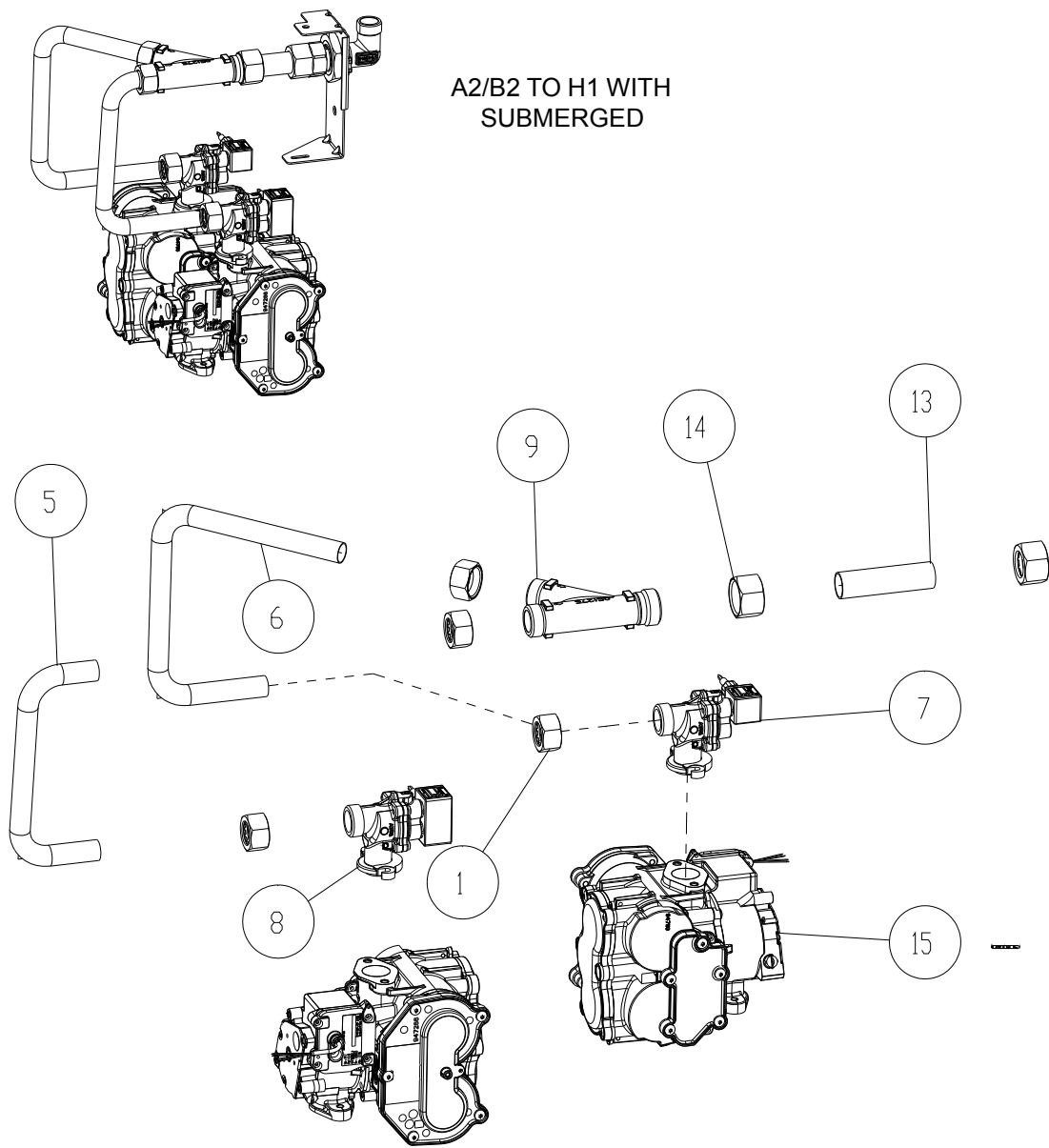


4.6.5 METERS A2/B2 TO HOSE H1

Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut Assembly	Ecrou Tube 22mm Assembly	-	Refer to Pipe Nut Assemblies
2	28mm Pipe Nut Assembly	Ecrou Tube 28mm Assembly	-	Refer to Pipe Nut Assemblies
3	Nipple M-F 1" to M36	Mamelon M-F 1" to M36	940950	
4	Flange Adapter Non-VR (Cast)	Adapteur Bride Non-VR (moulé)	943914	
5	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
6	Pipe pas1 210	Pipe pas1 210	949555	
7	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assembly
8	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assembly
9	Y Piece 45° Casting	Y Piece 45° Casting	951275	
10	Pipe B2-H1	Tube B2-H1	953608	
11	Brkt Hose Connection	Brkt Flexible Connection	953826	
12	Plate Hose Connection	Plate Flexible Connection	953827	
13	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
14	Pipe y-piece - hose connector	Pipe y-piece - hose connector	953830	
15	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assemblies

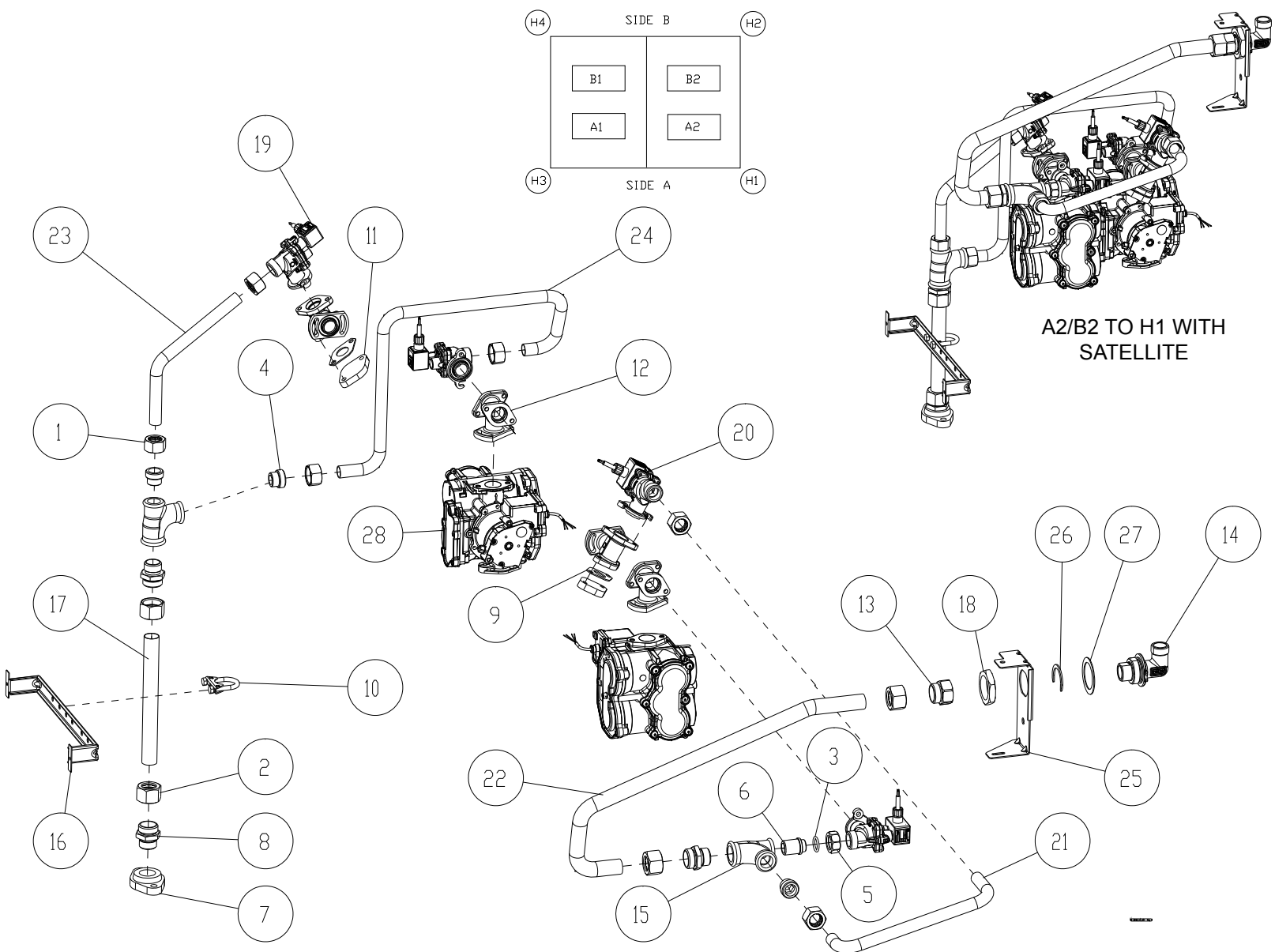


A2/B2 TO H1 WITH
SUBMERGED



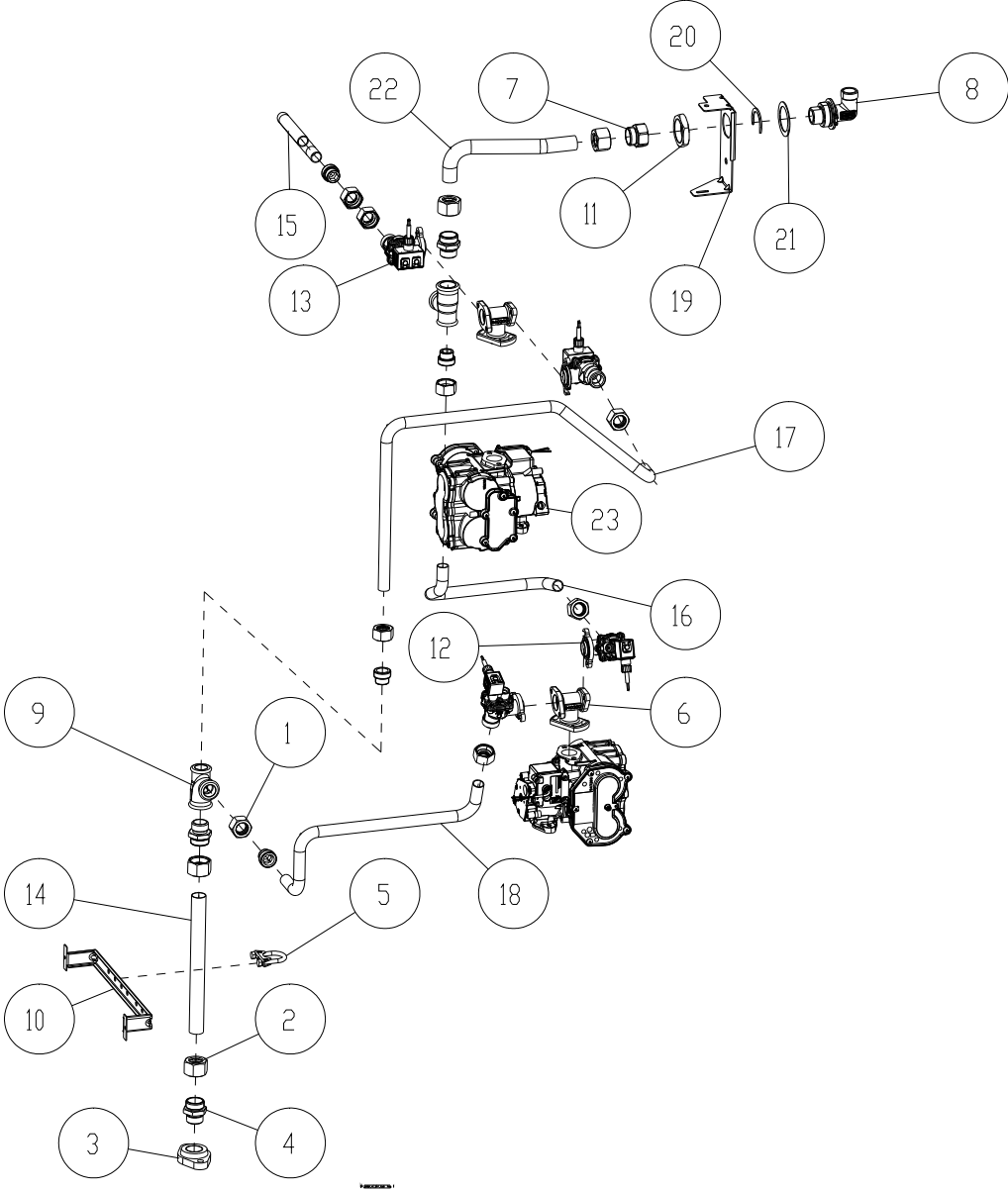
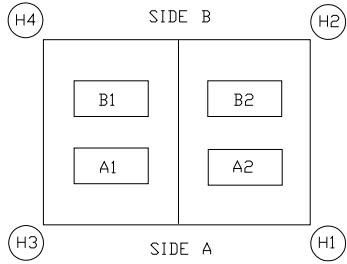
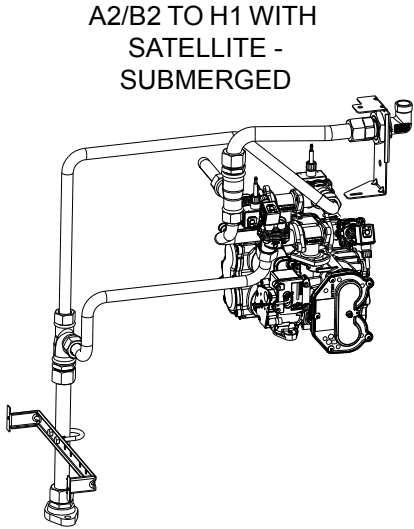
4.6.6 METERS A2/B2 TO HOSE H1 - SUBMERGED

Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut Assembly	Ecrou Tube 22mm Assembly	-	Refer to Pipe Nut Assembly
2	28mm Pipe Nut Assembly	Ecrou Tube 28mm Assembly	-	Refer to Pipe Nut Assembly
3	Nipple M-F 1" to M36	Mamelon M-F 1" to M36	940950	
4	Flange Adapter Non-VR (Cast)	Adapteur Bride Non-VR (moulé)	943914	
5	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
6	110 VHS sub pipe A	110 VHS sub pipe A	949525	
7	110 VHS sub pipe B	110 VHS sub pipe B	949526	
8	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies
9	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies
10	Y Piece 45° Casting	Y Piece 45° Casting	951275	
11	Brkt Hose Connection	Brkt Flexible Connection	953826	
12	Plate Hose Connection	Plate Flexible Connection	953827	
13	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
14	Pipe y-piece - hose connector	Pipe y-piece - hose connector	953830	
15	Meter Assembly	Meter Assembly	-	Refer to Hydraulic stack Assemblies



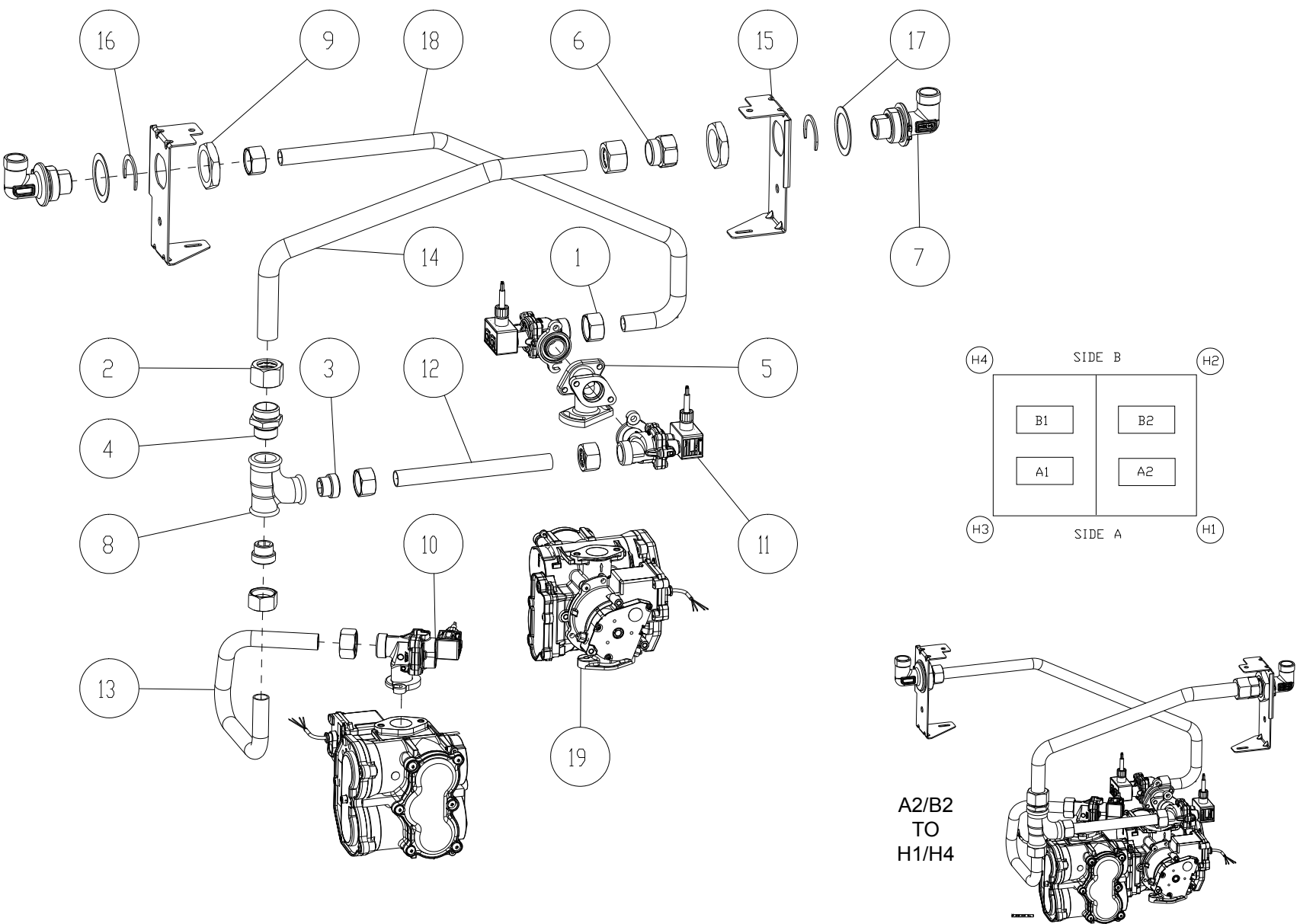
4.6.7 METERS A2/B2 TO HOSE H1 WITH SATELLITE

Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut Assembly	Ecrou Tube 22mm Assembly	-	Refer to Pipe Nut Assemblies
2	28mm Pipe Nut Assembly	Ecrou Tube 28mm Assembly	-	Refer to Pipe Nut Assemblies
3	O-ring 21,30x3,60	Joint torique 21,30x3,60	900050-034	
4	Nipple 22mm G1	Douille 22mm G1	900416	
5	PRESSURE NUT 1"	Ecrou 1"	900791	
6	Nipple Coupling	Raccord Mamelon	900792	
7	Flange 1" 78mm	Bride 1" 78mm	901320-001	
8	Nipple 28mm M36x2-R1	Douille 28mm M36x2-R1	901767	
9	Gasket 58 th 2 mm	Joint plat 58 ep 2 mm	903438	
10	32mm Clamp	Bride de 32mm	904256	
11	Flange oval without holes	Bride ovale sans holes	908456	
12	Tee connection Valvebox F/F/F	Raccord TE. F-F-F.Electrov	940300	
13	Nipple M-F 1" to M36	Mamelon M-F 1" to M36	940950	
14	Flange Adapter Non-VR (Cast)	Adapteur Bride Non-VR (moulé)	943914	
15	T 3/4 - 3/4 - 1 Female Thread	Raccord Té 3/4 3/4 1 Filet Fem	945101	
16	Support For Satelite Bracket	Support For Satelite Bracket	946367	
17	Pipe pas hs sat 210	Pipe pas hs sat 210	946624	
18	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
19	Valve Assembly	Valve Assembly	-	Refer to Vale & Fittings assemblies
20	Valve Assembly	Valve Assembly	-	Refer to Vale & Fittings assemblies
21	Pipe 22mm A2 to Tee	Pipe 22mm A2 to Tee	951155	
22	Pipe Tee-H1	Tube Tee-H1	953610	
23	Pipe Tee-B2	Tube Tee-B2	953611	
24	Pipe Tee-A2	Pipe Tee-A2	953612	
25	Brkt Hose Connection	Brkt Flexible Connection	953826	
26	Plate Hose Connection	Plate Flexible Connection	953827	
27	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
28	Meter Assembly	Meter Assembly	-	Refer to Hydraulic stack Assemblies



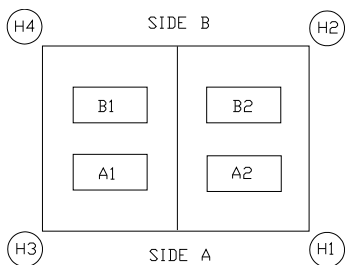
4.6.8 METERS A2/B2 TO HOSE H1 WITH SATELLITE - SUBMERGED

Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut Assembly	Ecrou Tube 22mm Assembly	-	Refer to Pipe Nut Assemblies
2	28mm Pipe Nut Assembly	Ecrou Tube 28mm Assembly	-	Refer to Pipe Nut Assemblies
3	Flange 1" 78mm	Bride 1" 78mm	901320-001	
4	Nipple 28mm M36x2-R1	Douille 28mm M36x2-R1	901767	
5	32mm Clamp	Bride de 32mm	904256	
6	Tee connection Valvebox F/F/F	Raccord TE. F-F-F.Electrov	940300	
7	Nipple M-F 1" to M36	Mamelon M-F 1" to M36	940950	
8	Flange Adapter Non-VR (Cast)	Adapteur Bride Non-VR (moulé)	943914	
9	T 3/4 - 3/4 - 1 Female Thread	Raccord Té 3/4 3/4 1 Filet Fem	945101	
10	SW/TQC/TQC_MPC	SW/TQC/TQC_MPC	946387	
11	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
12	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies
13	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies
14	Pipe Sat Conn Sub	Pipe Sat Conn Sub	950613	
15	Pipe B2-Tee	Tube B2-Tee	953618	
16	Pipe A2-Tee	Tube A2-Tee	953619	
17	Pipe B2-Sat	Pipe B2-Sat	953620	
18	Pipe A2-Sat	Tube A2-Sat	953621	
19	Brkt Hose Connection	Brkt Flexible Connection	953826	
20	Plate Hose Connection	Plate Flexible Connection	953827	
21	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
22	Pipe h1 mast sat conn sub	Tube h1 mast sat conn sub	953888	
23	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Assembly

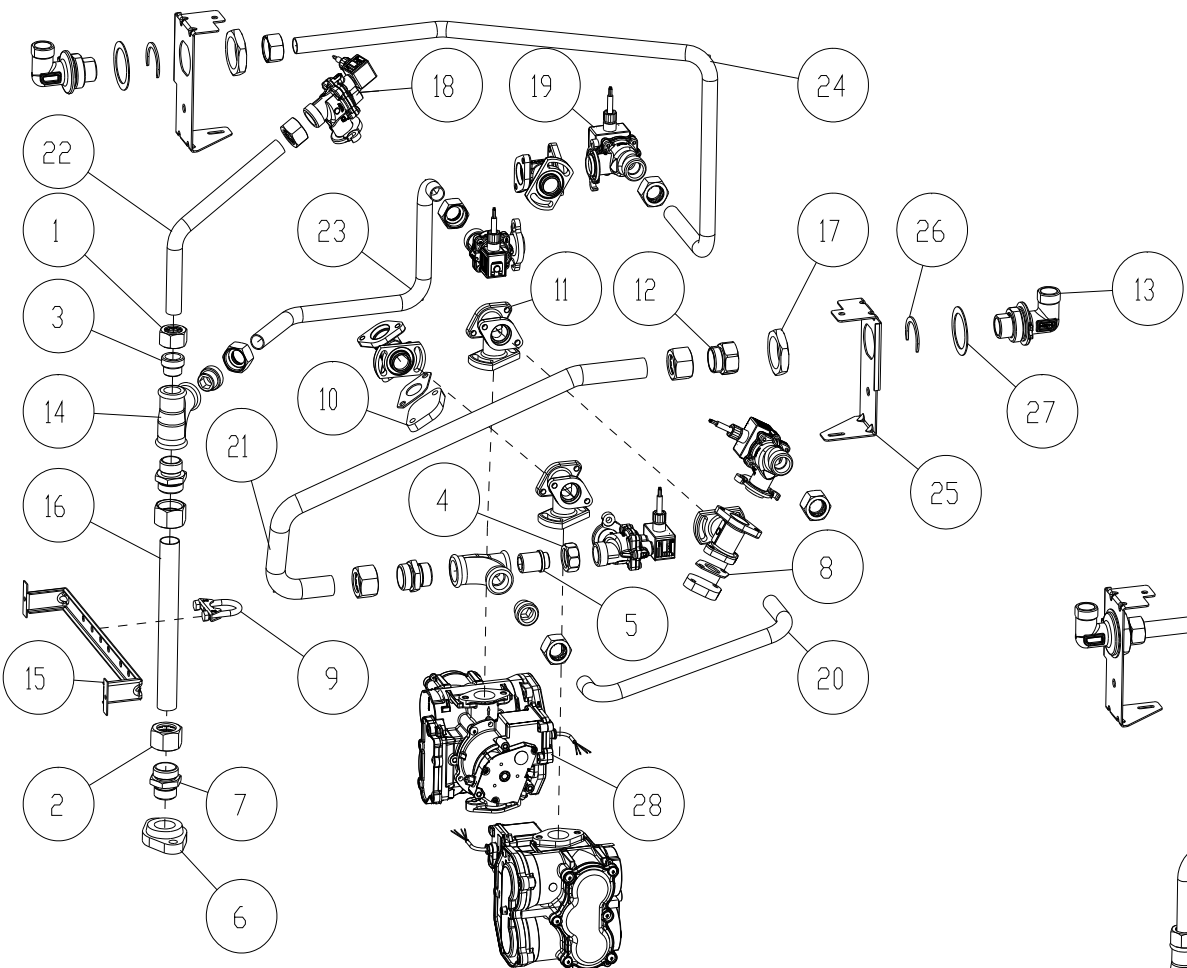
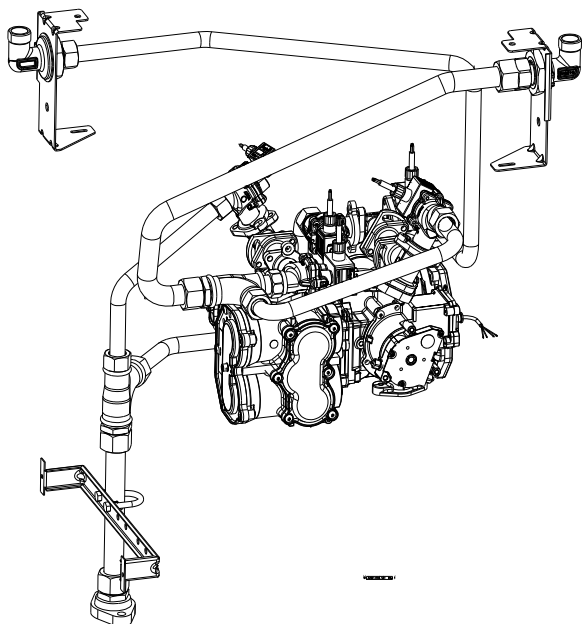


4.6.9 METERS A2/B2 TO HOSES H1/H4

Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut assembly	Ecrou Tube 22mm Assembly	-	Refer to Pipe Nut Assemblies
2	28mm Pipe Nut assembly	Ecrou Tube 28mm Assembly	-	Refer to Pipe Nut Assemblies
3	Nipple 22mm G1	Douille 22mm G1	900416	
4	Nipple 28mm M36x2-R1	Douille 28mm M36x2-R1	901767	
5	Tee connection Valvebox F/F/F	Raccord TE. F-F-F.Electrov	940300	
6	Nipple M-F 1" to M36	Mamelon M-F 1" to M36	940950	
7	Flange Adapter Non-VR (Cast)	Adapteur Bride Non-VR (moulé)	943914	
8	T 3/4 - 3/4 - 1 Female Thread	Raccord Té 3/4 3/4 1 Filet Fem	945101	
9	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
10	Valve Assembly	Valve Assembly	-	Refer to Vale & Fittings Assemblies
11	Valve Assembly	Valve Assembly	-	Refer to Vale & Fittings Assemblies
12	Pipe 40/130 A2-TEE 22mm	Pipe 40/130 A2-TEE 22mm	951163	
13	Pipe Tee-B2	Tube Tee-B2	953624	
14	Pipe Tee-H1	Tube Tee-H1	953625	
15	Brkt Hose Connection	Brkt Flexible Connection	953826	
16	Plate Hose Connection	Plate Flexible Connection	953827	
17	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
18	Pipe A2 - H4	Tube A2 - H4	953852	
19	Meter Assembly	Meter Assembly	-	Refer to Hydraulic Stack Asm

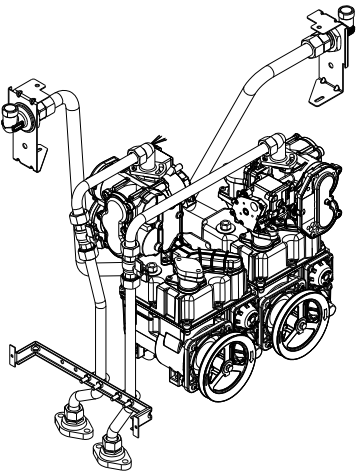
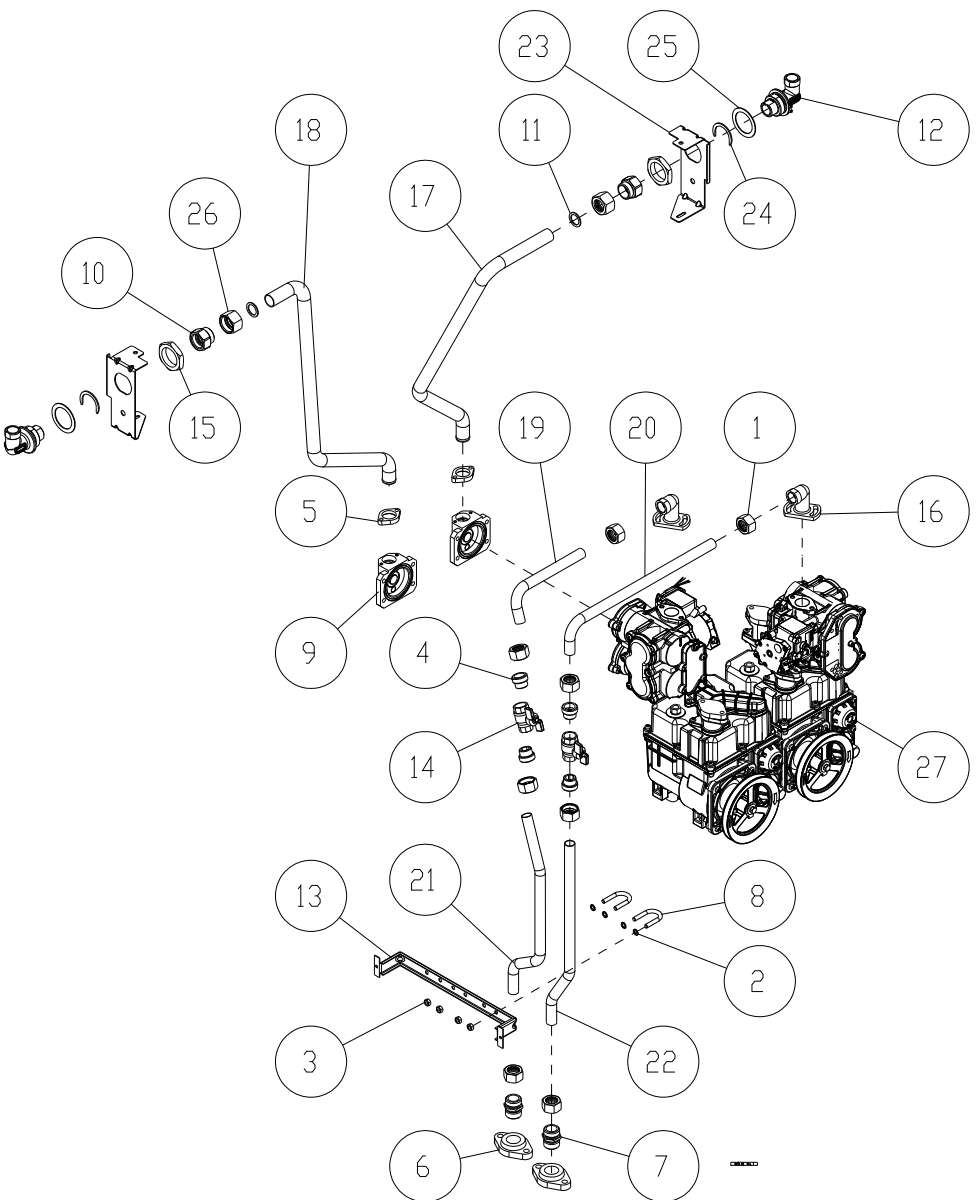


A2/B2
TO
H1/H4 WITH
SATELLITE



4.6.10 METERS A2/B2 TO HOSES H1/H4 WITH SATELLITE

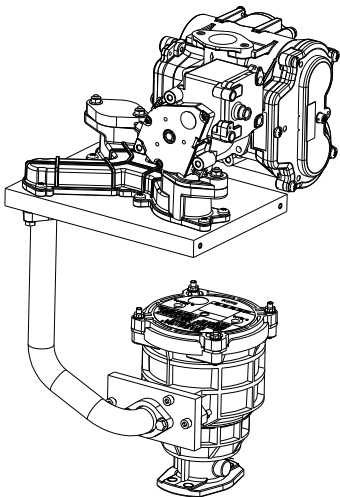
Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut Assembly	Ecrou Tube 22mm Assembly	-	Refer to Pipe Nut Assemblies
2	28mm Pipe Nut Assembly	Ecrou Tube 28mm Assembly	-	Refer to Pipe Nut Assemblies
3	Nipple 22mm G1	Douille 22mm G1	900416	
4	PRESSURE NUT 1"	Ecrou 1"	900791	
5	Nipple Coupling	Raccord Mamelon	900792	
6	Flange 1" 78mm	Bride 1" 78mm	901320-001	
7	Nipple 28mm M36x2-R1	Douille 28mm M36x2-R1	901767	
8	Gasket 58 th 2 mm	Joint plat 58 ep 2 mm	903438	
9	32mm Clamp	Bride de 32mm	904256	
10	Flange oval without holes	Bride ovale sans holes	908456	
11	Tee connection Valvebox F/F/F	Raccord TE. F-F-F.Electrov	940300	
12	Nipple M-F 1" to M36	Mamelon M-F 1" to M36	940950	
13	Flange Adapter Non-VR (Cast)	Adapteur Bride Non-VR (moulé)	943914	
14	T 3/4 - 3/4 - 1 Female Thread	Raccord Té 3/4 3/4 1 Filet Fem	945101	
15	SW/TQC/TQC_MPC	SW/TQC/TQC_MPC	946387	
16	Pipe Pas hs Sat 210	Pipe Pas hs Sat 211	946624	
17	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
18	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies
19	Valve Assembly	Valve Assembly	-	Refer to Valve & Fittings Assemblies
20	Pipe 22mm A2 to Tee	Pipe 22mm A2 to Tee	951155	
21	Pipe Tee-H1	Tube Tee-H1	953610	
22	Pipe Tee-B2	Tube Tee-B2	953611	
23	Pipe Tee-A2	Tube Tee-A2	953631	
24	Pipe A2-H4	Tube A2-H4	953632	
25	Brkt Hose Connection	Brkt Flexible Connection	953826	
26	Plate Hose Connection	Plate Flexible Connection	953827	
27	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
28	Meter Assembly	Meter Assembly	-	Refer to Hyd Stack Assemblies



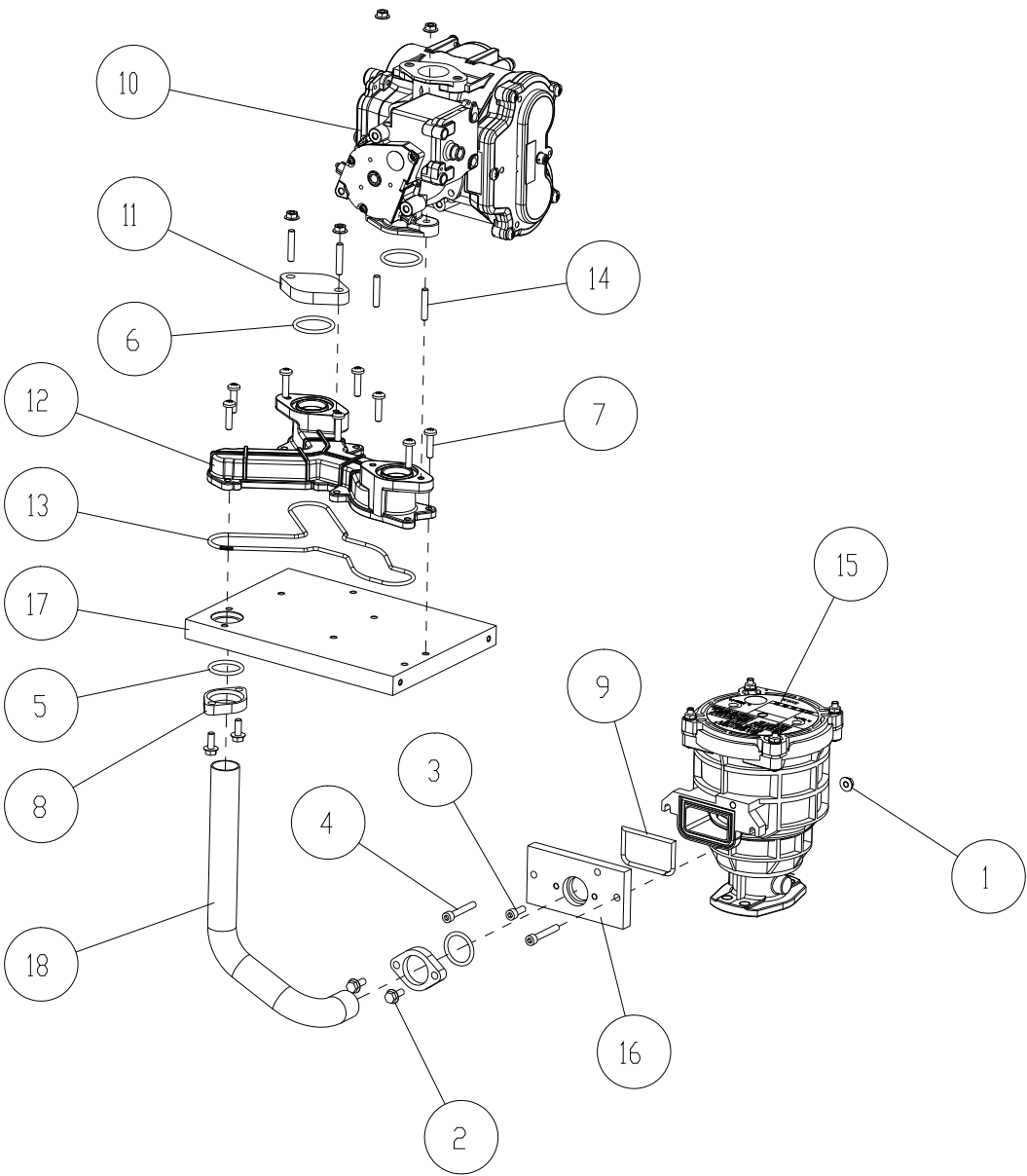
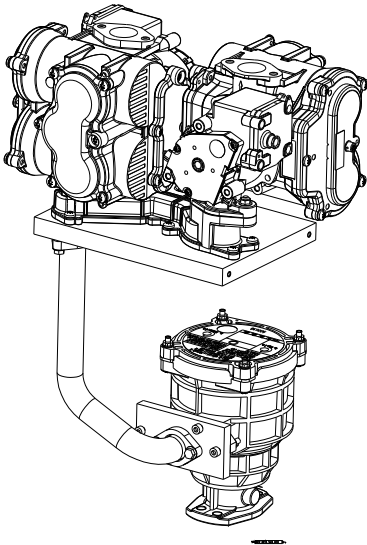
4.7 Q210 Debowser

Item No	Description	Désignation Français	Part No	Comments
1	22mm Pipe Nut Assembly	22mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
2	Washer Serr Lock Ext M8	rondelle_à_éventail M8	900009-002	
3	Nut hex M8	Ecrou hexagonal M8	900011-003	
4	Nipple 22mm G1	Douille 22mm G1	900416	
5	Flange - oval D28	Bride ovale D28	900475	
6	Flange 1" 78mm	Bride 1" 78mm	901320-001	
7	Nipple 22mm G1" - G1"	Douille 1" G1	901772	
8	U-Bolt 3/4"	Collier 3/4"	903160-001	
9	Filter cover M at P machined	Couvercle filtre PàM usine	906392	
10	Nipple M-F 1" to M36	Mamelon M-F 1" to M36	940950	
11	AdB Nozzle Extender Seal	Joint unité extension bec AdB	941989	
12	Flange Adapter Non-VR (Cast)	Adapteur Bride Non-VR (moulé)	943914	
13	Support For Satelite Bracket	Support For Satelite Bracket	946367	
14	Ball Valve F/F 3/4"	Vanne Manuel F/F 3/4"	946445	
15	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
16	Outlet Elbow Cast	Sortie de SM de coude de bride	947587	
17	Pipe TQP2 to H1 Debowser	Pipe TQP2 to H1 Debowser	953253	
18	Pipe TQP1 to H2 Debowser	Pipe TQP1 to H2 Debowser	953258	
19	Pipe B1 to Valve1 Debowser	Pipe B1 to Valve1 Debowser	953259	
20	Pipe A2 to Valve2 Debowser	Pipe A2 to Valve2 Debowser	953260	
21	Pipe Valve1 to Outlet1 Debowser	Pipe Valve1 to Outlet1 Debowser	953261	
22	Pipe Valve2 toOutlet2 Debowser	Pipe Valve2 toOutlet2 Debowser	953262	
23	Brkt Hose Connection	Brkt Flexible Connection	953826	
24	Plate Hose Connection	Plate Flexible Connection	953827	
25	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
26	28mm Pipe Nut Assembly	28mm Pipe Nut Assembly	-	Refer to Pipe Nut Assemblies
27	TQP-RS Stack Assembly	TQP-RS Stack Assembly	-	Refer to TQP-RS Stack Assemblies

SINGLE SIDED



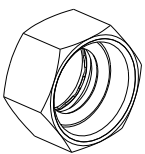
DOUBLE SIDED



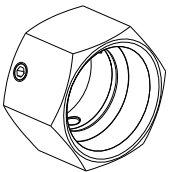
4.8 Submerged Hydraulics

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
2	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
3	Screw HSHC M6x16	Vis CHC M6x16	900017-007	
4	Screw HSHC M6x40	Vis CHC M6x40	900017-009	
5	O-Ring 27.80x3.60	Joint Torique 27.80x3.60	900050-016	
6	O-Ring 34.10x3.60	Joint Torique 34.10x3.60	900050-019	
7	Screw Torx Thr Form Button Hd	Vis Torx AutoForm. TCBL Trilob	900053-004	
8	Flange - Oval D28	Bride Ovale D28	900475	
9	O-ring Filterbox	Joint de Filtre	900635	
10	Meter TQM MPT1 in line Meter TQM MPE-EC in line Meter TQM MPE-TC in line Meter TQM MPL in line Meter TQM CP1 in line	Meter TQM MPT1 en ligne Meter TQM MPE-EC en ligne Meter TQM MPE-TC en ligne Meter TQM MPL en ligne Meter TQM CP1 en ligne	948475-001 948475-011 948475-021 948475-031 948475-071	Refer to TQM Manual Electronic Calibration Temperature Compensation
11	Flange Oval without Holes	Bride Ovale sans Trous	908456	
12	Collector SM80	Collecteur SM80	908526	
13	O-ring Collector Stack EPZ	Joint Collecteur EPZ Stack	908527	
14	Stub Threaded Specific M6x32	Goujon Special M6x32	909271	
15	Assy Filterbox Submerged Assy Filterbox Submerged E85 Assy Filterbox Submerged Low Temp.	Asm Filtrebox Immergee Asm Filtrebox Immergee E85 Asm Filtrebox Immergee LT	940904 940955 942016	Refer to Filter Assembly E85 Low Temperature
16	Adaptor Submerge Filterbox	Adapteur Immergee Filtreboite	941340	
17	Adaptor Block	Bloc D'adapteur	942461	Refer to Submerged Frame Asms
18	Sub Pipe Filter Manifold	Sub Pipe Filter Manifold	948786	

22MM PIPE NUT ASSEMBLY

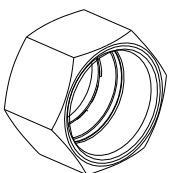


28MM PIPE NUT ASSEMBLY

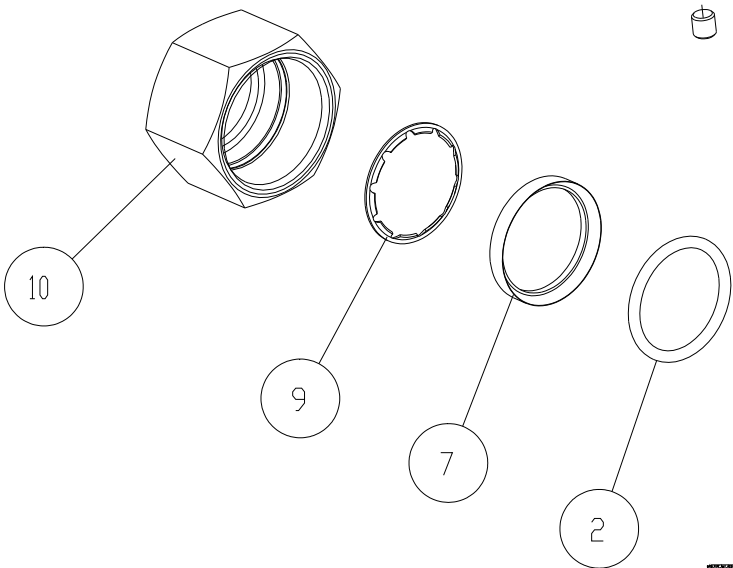


MANUFACTURED
BEFORE
SEPTEMBER 2011

28MM PIPE NUT ASSEMBLY

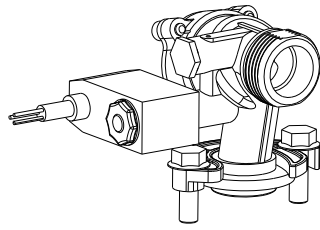


MANUFACTURED
AFTER AUGUST
2011

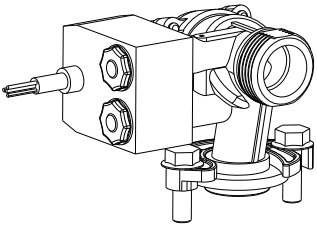
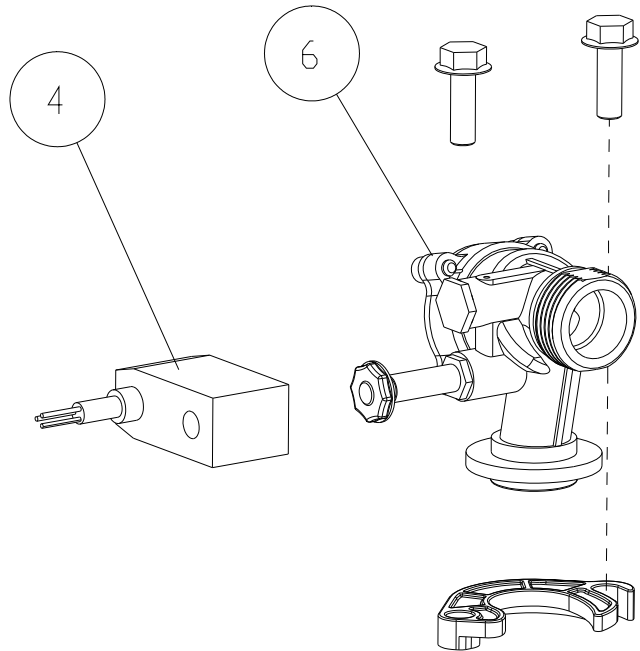


4.9 Pipe Nut Assemblies

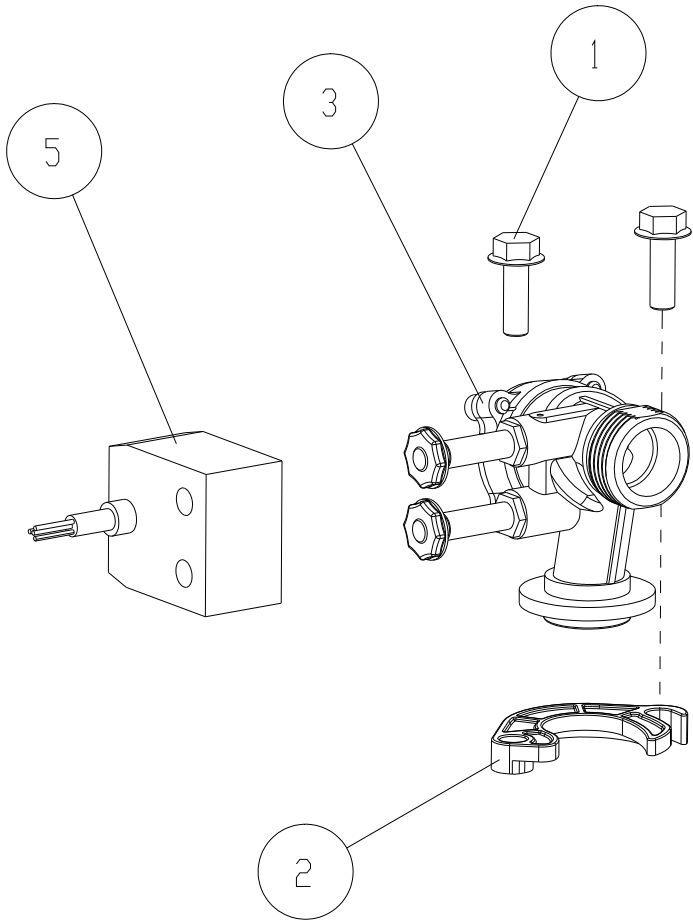
Item No	Description	Désignation Français	Part No	Comments
1	Screw HSS Cup Point M6x6	Vis HCCU M6x6	900019-005	
2	O-ring 28,00x3,00	Joint Torique 28,00x3,00	900050-032	
3	O-ring 21,30x3,60	Joint Torique 21,30x3,60	900050-034	
4	Pressure Ring	Bague De Pression	900523	
5	Fixing Spring Ring 22mm	Bague De Pression 22mm	900525	
6	Pressure Nut 28mm Pipe	Ecrou de Pression Tube 28mm	901770	Replaced by 950120
7	Pressure Ring 28mm	Bague de Pression 28mm	901771	
8	Pressure Nut 22 mm Brass	Ecrou Pression 22mm Laiton	901858	
9	Fixing Spring Ring 28mm	Bague de Pression 28mm	950119	
10	Pressure Nut 28mm Pipe	Ecrou de Pression Tube 28mm	950120	Replaces 901770



SINGLE COIL



DOUBLE COIL

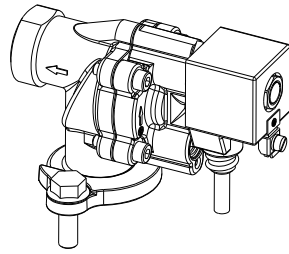


4.10 Valve & Fittings Assemblies

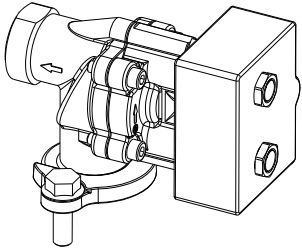
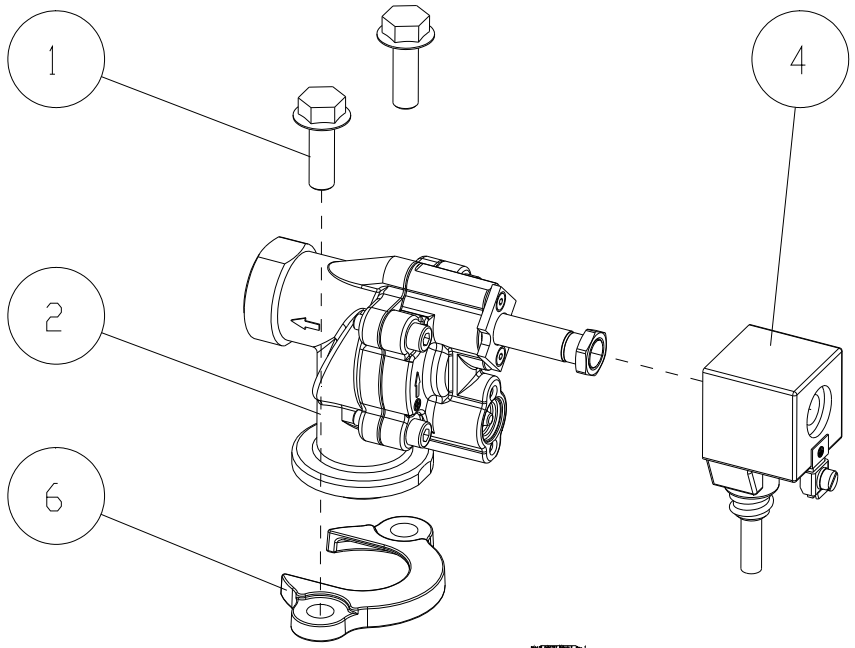
4.10.1 SIB VALVE ASSEMBLIES

Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	SIB Flange Valve	Bride EV SIB	941951	
3	SIB Valve Double w/o Coil	Electrovanne SIB Double sans Bobine	951457	
4	Single Coil 24Vcc	Bobine Mono 24Vcc	943233	
5	Double Coil 24Vcc	Bobine Double 24Vcc	943234	
6	SIB Valve Single w/o Coil	Electrovanne SIB Simple sans Bobine	951456	

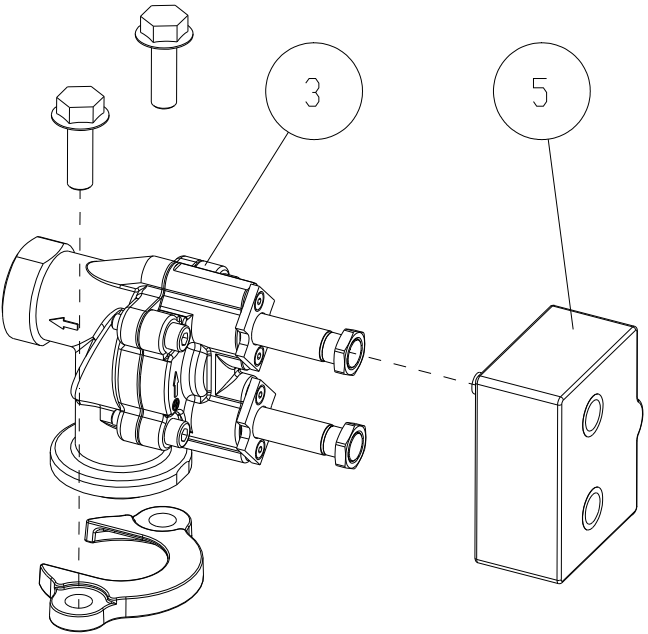




SINGLE COIL



DOUBLE COIL

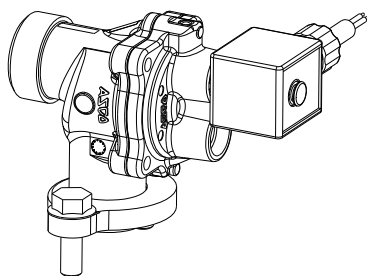


4.10.2 DANFOSS VALVE ASSEMBLIES

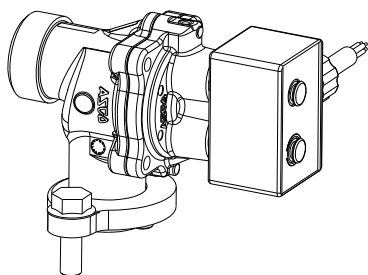
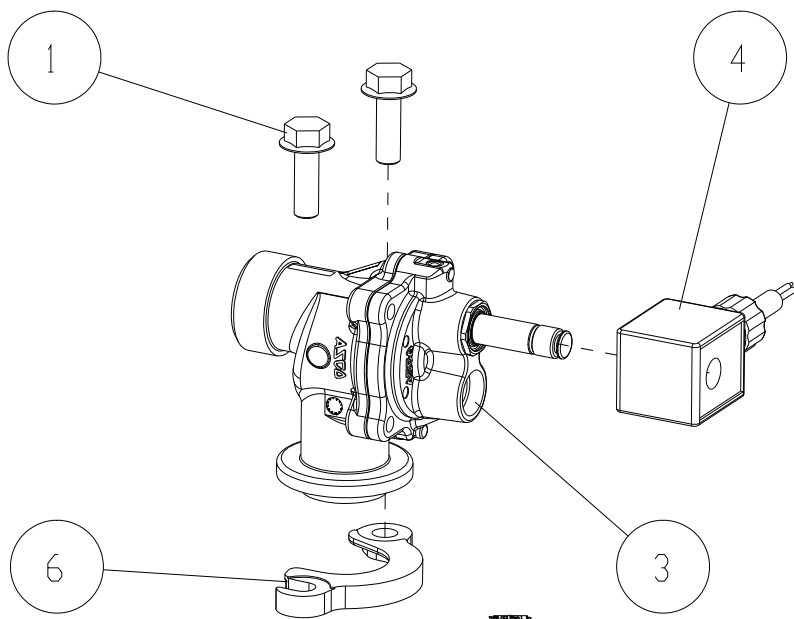
Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	Danfoss Valve Single w/o Coil	Danfoss Valve Body Simple	946675-001	
	Danfoss Valve Single w/o Coil E85	EV DF Corps Simple sans Bobine E85	946675-004	
	Danfoss Valve Single w/o Coil HS/LS	EV DF. Corps Simple sans Bobine HS/LS	946675-003	
3	Danfoss Valve Double w/o Coil	EV Danfoss Corps Double sans Bobine	946675-002	
	Danfoss Valve Double E85 w/o Coil	EV Danfoss Corps Double E85 sans Bobin	946675-005	
4	Danfoss Valve Single Coil 24V	EV Danfoss Simple Bobine 24V	946681	
	Danfoss Valve Single Coil 230V	EV Danfoss Simple Bobine 230V	946683	
5	Danfoss Valve Double Coil 24V	EV Danfoss Double Bobine 24V	946682	
6	Danfoss Valve Flange	EV Danfoss Bride	946684	

PLEASE NOTE: ASCO VALVES REPLACES DANFOSS VALVE AFTER OCTOBER 2011

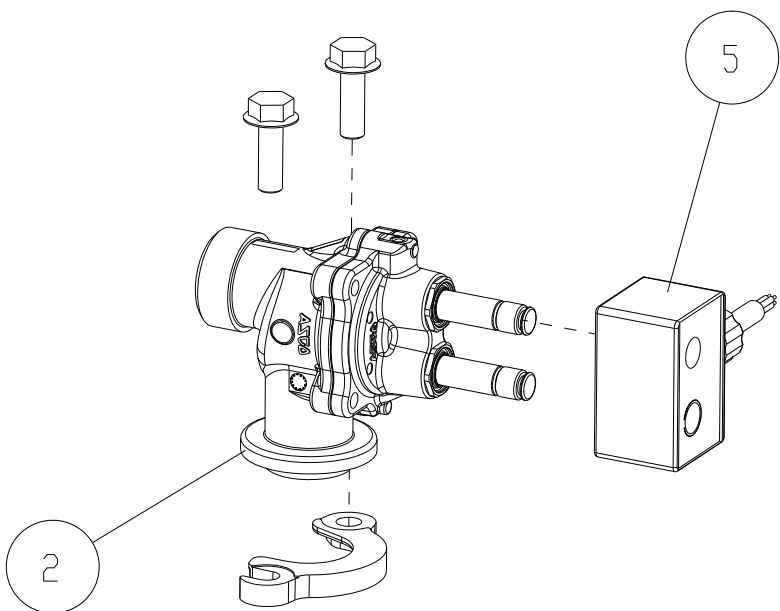




SINGLE COIL



DOUBLE COIL

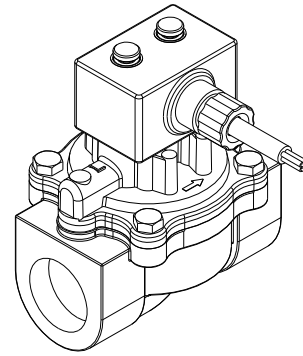


4.10.3 ASCO VALVE ASSEMBLIES

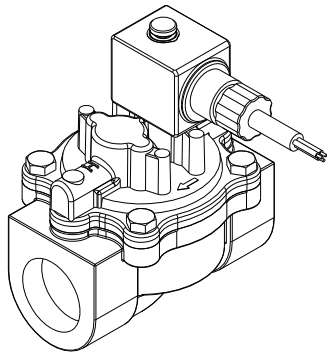
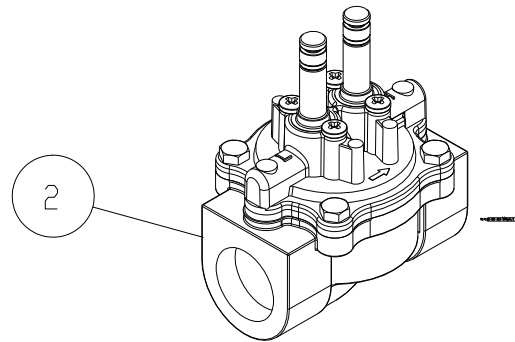
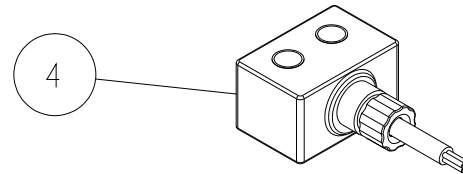
Item No	Description	Désignation Français	Part No	Comments
1	Screw HFHSL M8x25	Vis Hex Br Autobl M8x25	900016-007	
2	ASCO Valve Double 24V w/o Coil	Electrov.ASCO Double 24V sans Bobine	950937	
3	ASCO Valve Single 24V w/o Coil	Electrov.ASCO Simple 24V sans Bobine	950938	
4	ASCO Coil Single 24v ATEX	Bobine ASCO Simple 24v ATEX	950939	
5	ASCO Coil Double 24v ATEX	Bobine ASCO Double 24v ATEX	950940	
6	Flange Valve ASCO	Bride Ouverte Electrov. ASCO	950942	

PLEASE NOTE: ASCO VALVE REPLACES DANFOSS VALVE AFTER OCTOBER 2011

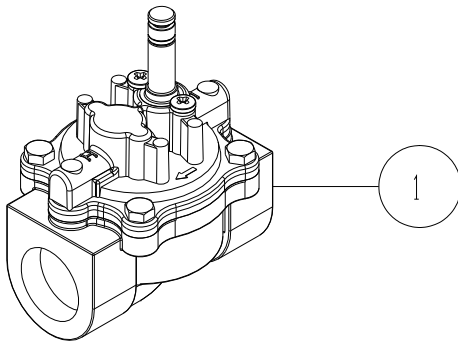
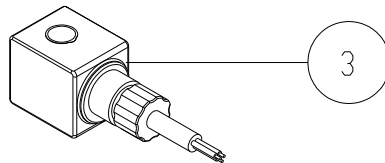




Double Flow Valve



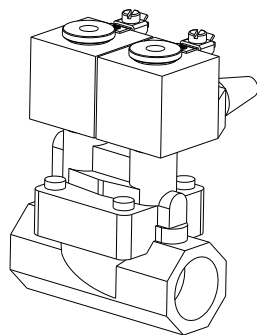
Single Flow Valve



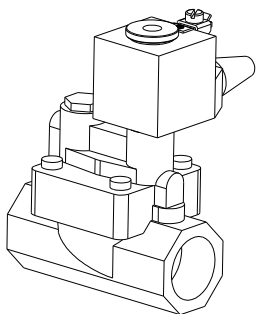
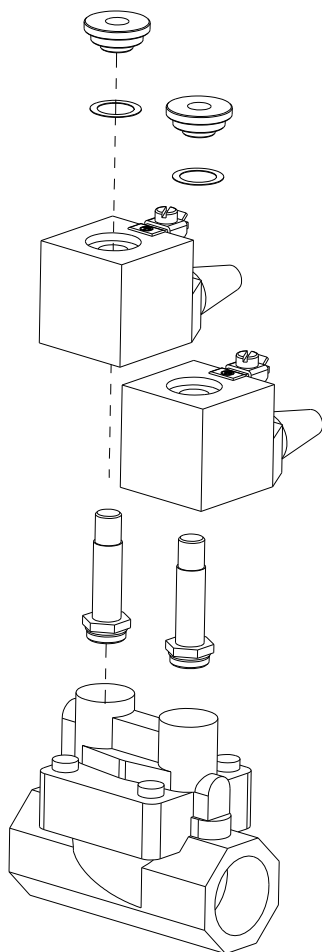
4.10.4 HIGH FLOW ASCO VALVES

Item No	Description	Désignation Français	Part No	Comments
1	ASCO 1" valv.sing 24V w/o Coil	EV ASCO 1" simpl 24V ss Bob	957533	
2	ASCO 1" valv.dble 24V w/o Coil	EV ASCO 1" dble 24V ss Bob	957534	
3	ASCO HF Coil simple 24v ATEX	Bobine ASCO HD simple 24v ATEX	957535	
4	ASCO HF Coil double 24v ATEX	Bobine ASCO HD double 24v ATEX	957536	

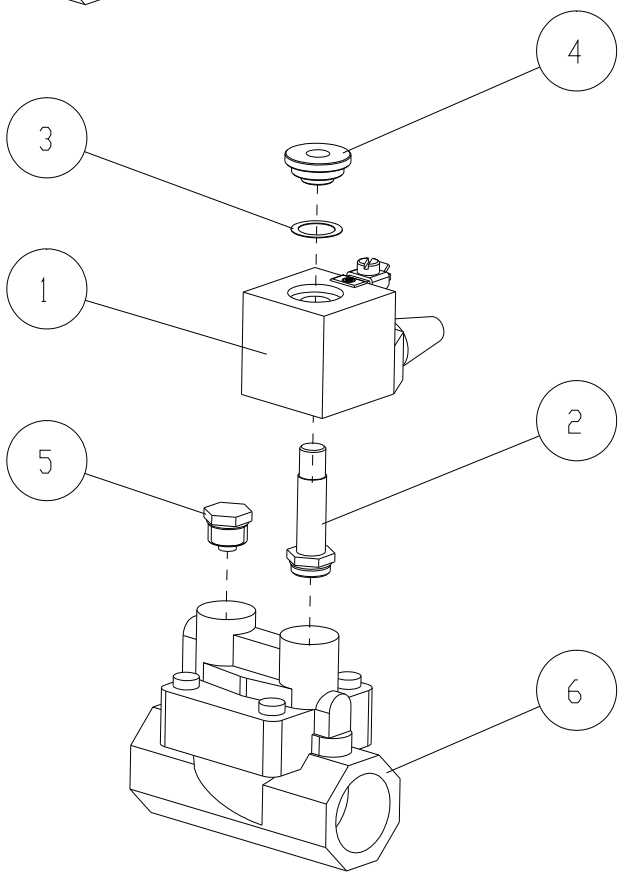




PRESET



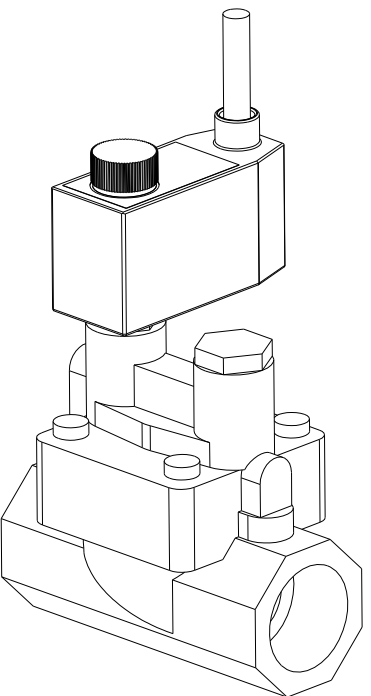
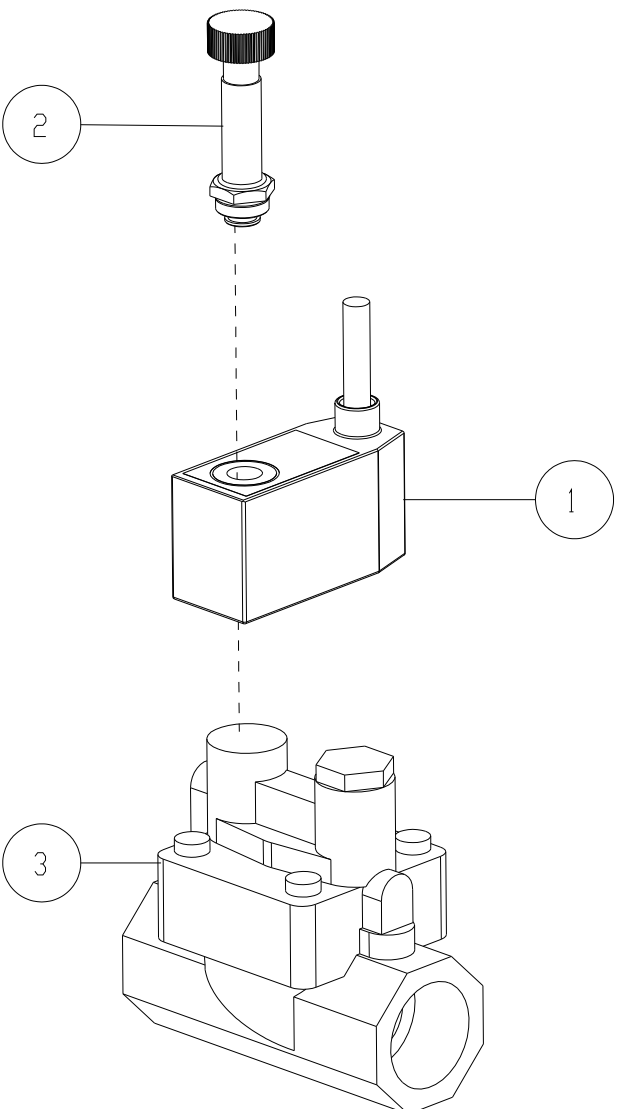
SINGLE



4.10.5 INLINE VALVE ASSEMBLIES

Item No	Description	Désignation Français	Part No	Comments
1	Coil 24V Eex m II T4 Fuse	Bobine 24V Eex m II T4 Fuse	900082	
2	Plungerhouse + Plunger	Plongeur Complete	900723	
3	Spring for Plunger	Ressort de Plongeur	900724	
4	Nut for Plunger	Ecrou par Plongeur	900725	
5	Stop + Seal Inline Valve	Bouchon Soupape	900726	
6	Piston Valve 3/4" Drilled POM/PPS	Soupape 3/4" Foré POM/PPS	900788	



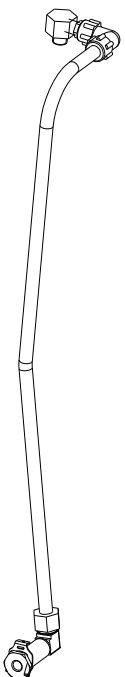


4.10.6 ACV VALVE ASSEMBLIES

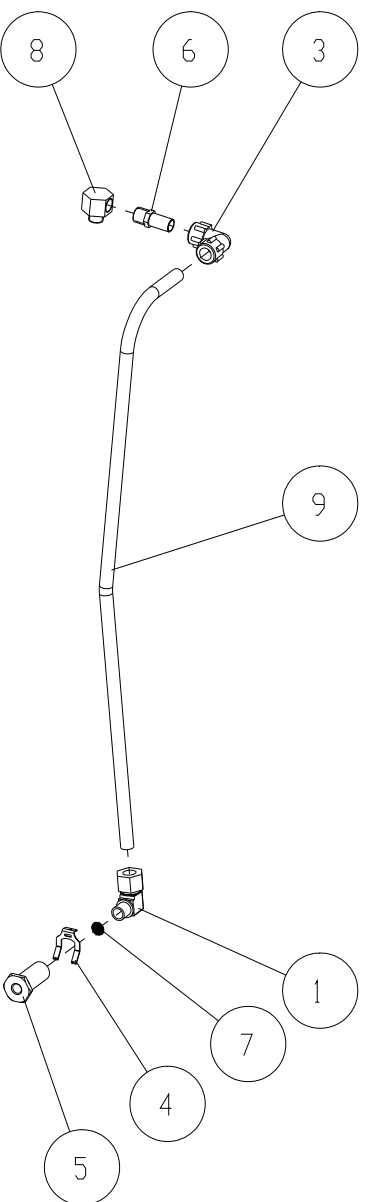
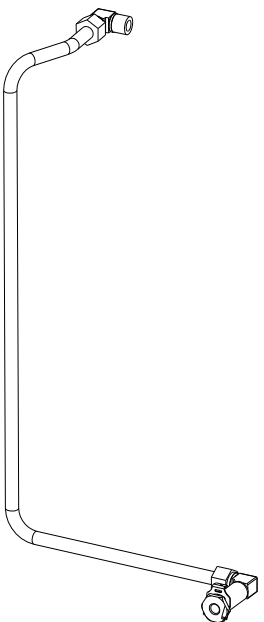
Item No	Description	Désignation Français	Part No	Comments
1	ACV Coil Ethenol 24V	Bobine ACL 24V Ethanol	940706	
2	ACV Online Valve Plunger	Pilote Electrov. ACV en Ligne	950117	
3	ACV Ls-Hs body	Corps ev ACV Pd-Gd	950564	



EPZ/TQP-RS



FAS V3/TQP-HS



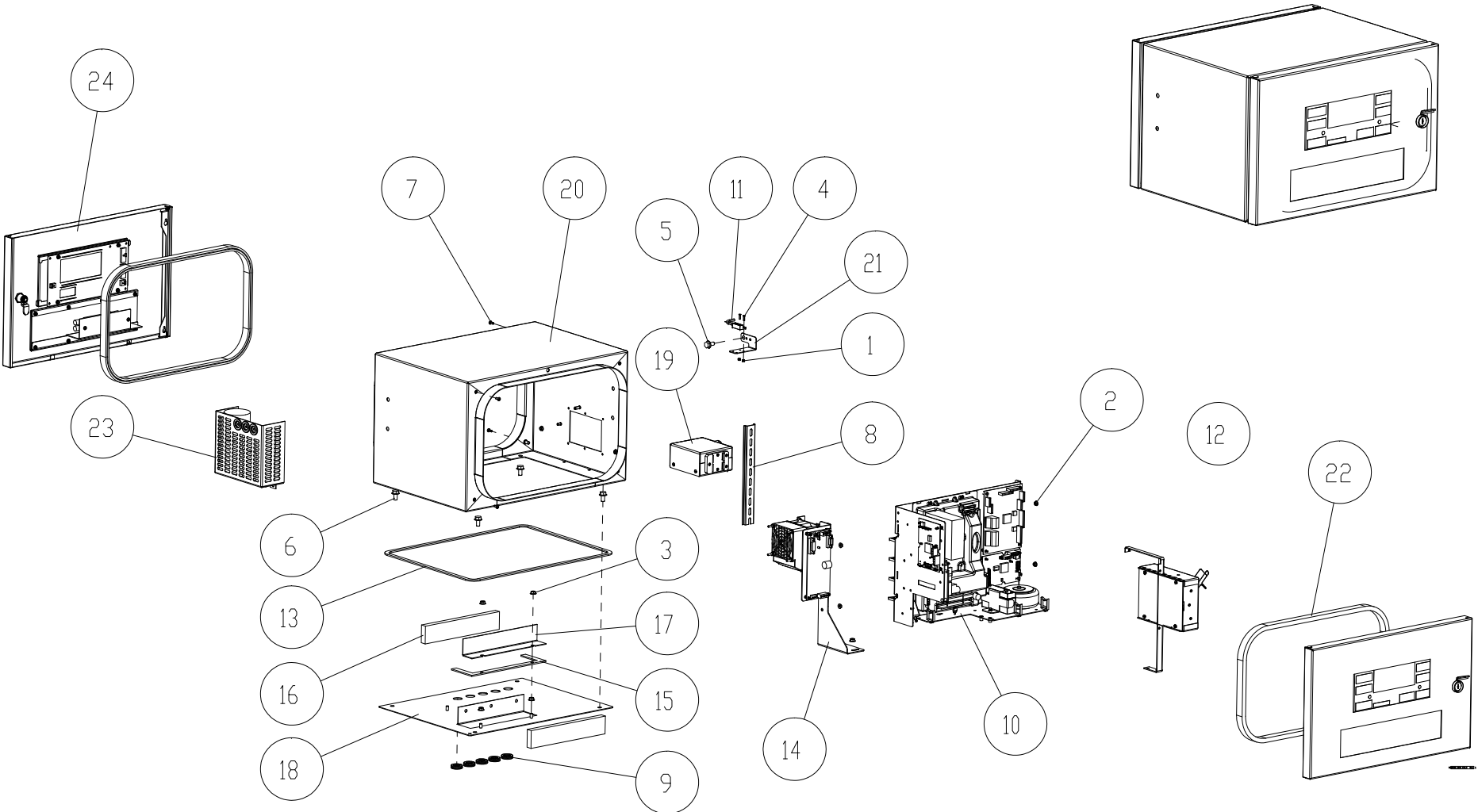
4.11 Air Vent Pipe Assemblies

Item No	Description	Désignation Français	Part No	Comments
1	Elbow Compr 1/4" BSPM 12mm	EQ-PIQ-M12-1/4	900031-001	
2	Elbow Compr 3/8" BSPM 12mm	EQ-PIQ-M12-3/8	900031-002	
3	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	
4	Clip Horse/Shoe	Fixation H/Shoe	900057	
5	Vent Outlet	Mise à l'Atmosphère	901724	
6	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
7	Gauze - Flame Arrestor	Grillage Pare Flamme	902358	
8	Elbow Vent Foat EPZ-T	Coude Event EPZ-T	940936	
9	Q210 EPZ Airvent Pipe	Q210 EPZ Airvent Pipe	946603	EPZ/TQP-RS only
10	Q210 PASV3 Air Vent Pipe	Q210 PASV3 Air Vent Pipe	946610	PAS V3/TQP-HS only

CONTENTS

5	DISPENSER ELECTRONICS	5-2
5.1	Calculator Head Assemblies	5-2
5.1.1	Q110 WWC Calculator Head Assembly	5-2
5.1.2	Q110 TQC-IPD Calculator Head Assembly	5-6
5.1.3	Q210 WWC Calculator Head Assembly	5-8
5.1.4	Q210 TQC-IPD Calculator Head Assembly	5-12
5.1.5	Q210 TQC Calculator Head Assembly	5-14
5.2	Centreplate Assemblies	5-16
5.2.1	WWC Centreplate	5-16
5.2.2	TQC-IPD Electronics Plate	5-20
5.2.3	TQC Centre Plate Assembly	5-22
5.2.4	TQC-EST Centre Plate assembly	5-26
5.2.5	TQC-EST VGA Centre Plate assembly	5-30
5.3	Calculator Door Assemblies	5-34
5.3.1	Blank Door	5-34
5.3.2	Standard Door with LCD Display & Programming Switch Magnet	5-36
5.3.3	Standard Door with Illuminated Product Indication	5-38
5.3.4	Standard Door with Electromechanical Totalisers	5-40
5.3.5	Standard Door with Emergency Push Button	5-42
5.3.6	TQC-IPD Door	5-44
5.3.7	TQC-IPD Door with Illuminated Product Indication	5-46
5.3.8	TQC-IPD Door with Electromechanical Totalisers	5-48
5.3.9	Q110 TQC 664 Non-Recess Calculator Door Assembly	5-50
5.3.10	Q110 TQC 775 Non-Recess Calculator Door Assembly	5-52
5.3.11	Q110 WWC 664 Non-Recess Calculator Door Assembly	5-54
5.3.12	Q210 TQC Non-Recess Calculator Door Assembly	5-56
5.3.13	Q210 TQC IPD Non-Recess Calculator Door Assembly	5-58
5.3.14	Q210 TQC Emergency Stop Non-Recess Calculator Door Assembly	5-60
5.4	WWC Centreplate Support Bracket	5-62
5.5	TQC-IPD Battery Sealing	5-64
5.6	Capacitor Box Assemblies	5-66
5.6.1	Q110 Capacitor Box Assembly	5-66
5.6.2	Q210 Capacitor Box Assembly	5-68
5.7	Pulser Sealing Box Assembly	5-70
5.8	Keypad Assembly	5-72
5.9	Rail Assemblies	5-74
5.9.1	WWC Mains Rail	5-74
5.9.2	TQC-IPD Mains Rail	5-76
5.9.3	TQC Mains Rail Assembly	5-78
5.9.4	TQC Options Rail Assembly	5-80
5.10	Junction Box Assemblies	5-82
5.10.1	Mains, Comms or Mini Master Junction Box	5-82
5.10.2	Q210 SDS Junction Box	5-84
5.11	Mechanical Totalisers	5-86
5.12	Protection Panel Push Button Assembly	5-88
5.13	Anti-Fraud	5-90
5.14	Q210 Calculator Head with OPT	5-92
5.14.1	OPT Anti Fraud Assembly	5-94
5.14.2	OPT Head Assembly	5-96
5.14.3	OPT Door with LCD Display	5-98
5.14.4	OPT Door Assembly	5-100
5.14.5	OPT Head Electronics	5-102

5.14.6	OPT Head Crypto PSU/Heater Assembly	5-104
5.14.7	OPT Head Mains Rail	5-106
5.14.8	OPT Head Crypto VGA Power Rail	5-108



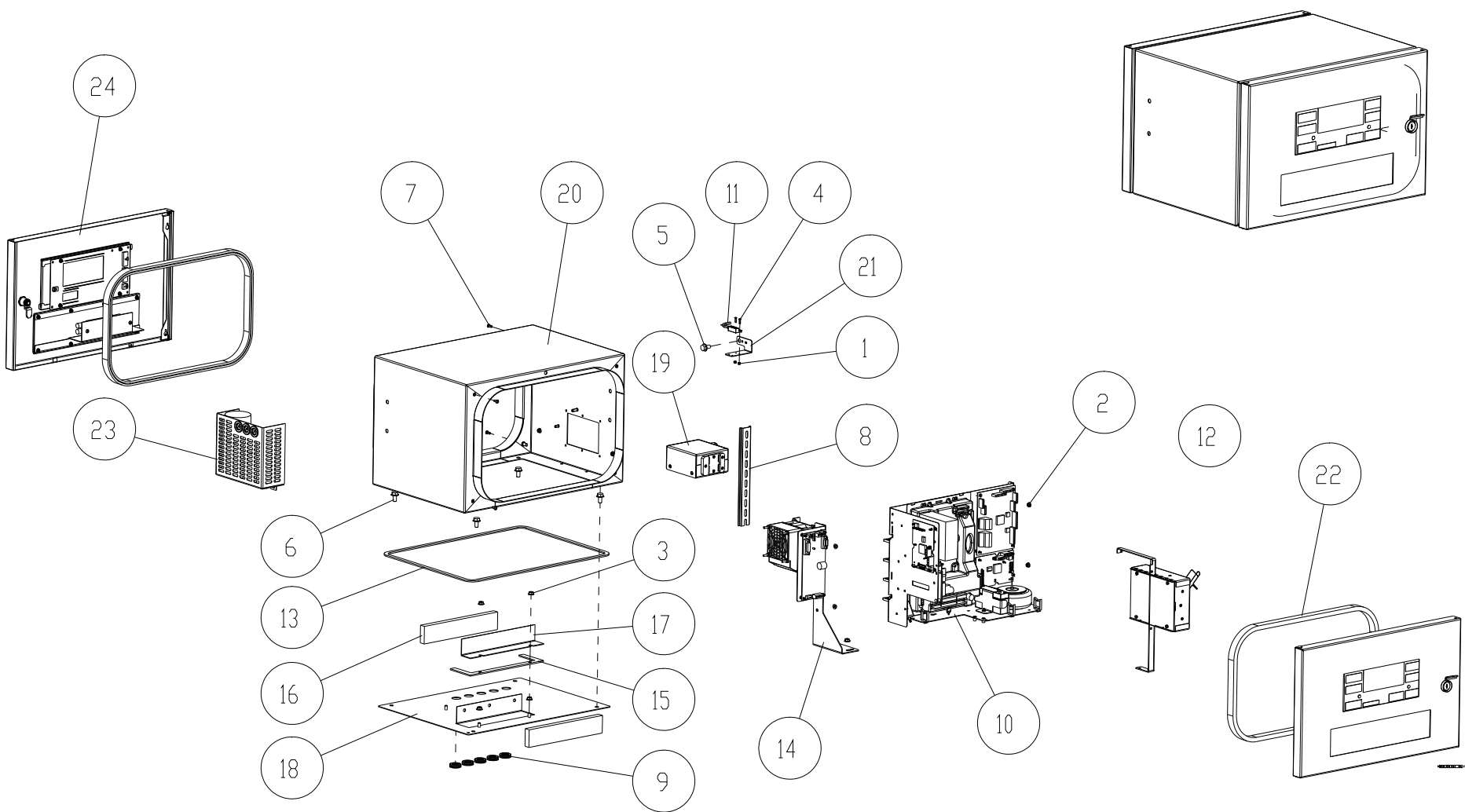
5 DISPENSER ELECTRONICS

5.1 Calculator Head Assemblies

5.1.1 Q110 WWC CALCULATOR HEAD ASSEMBLY

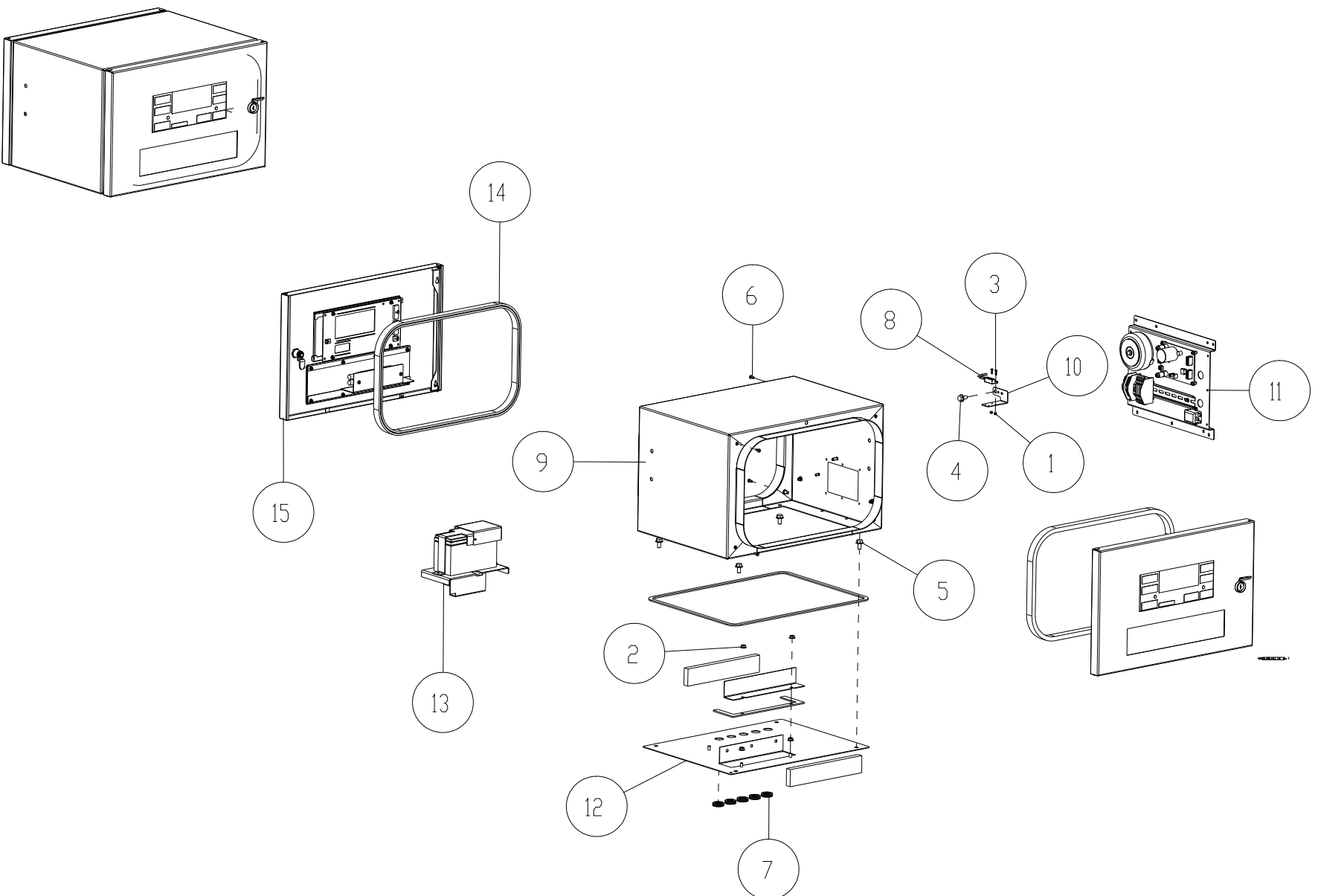
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Prev Torque M3	Ecrou Frein M3	900012-001	
2	Nut Hex Self Lock M5	Ecrou Bride Autobloquant M5	900013-002	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Screw SCS M3 x 12	Vis FS M3 x 12	900014-004	
5	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
6	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-024	
7	Screw Torx Thr Form BH M4	Vis Torx AutoF TCBL Trilob	900053-001	
8	Rail TS 35 L=250	Rail de bornier TS 35 L=250	901432-008	Refer to Mains Rail Assembly
9	Grommet Membrane ID 11 Perforated	Passe fil à Membrane Perforee	903754-001	Perforated
	Grommet Membrane ID 11	Passe fil à Membrane DG11	902331-003	
	Grommet Membrane ID 16 Perforated	Passe fil à Membrane DG16 Perforee	903754-002	Perforated
	Grommet Membrane ID 16	Passe fil à Membrane DG16	902331-004	
10	Centreplate Assembly	Centreplaquer Asm	-	Refer to WWC Centreplate Assembly
11	Magnetic Proximity Switch L=3m	Contact Magnetiq de Proximite L=3m	908172-001	Programming Switch
12	Pulser Sealing Box Assembly	Pulser Boite Scellant Asm	-	Refer to Pulser Sealing Box Asm
13	Calculator Base Sealing	Calculateur Embase Scellant	947470	
14	Centreplate Support Bracket Assembly	Centreplaquer Support Traverse Asm	-	Refer to Centreplate Supp.Bkt Asm
15	Gasket Foam Barrier	-	948085	
16	Foam Barrier	Barrière Foam	948086	
17	Clamp Foam Barrier	Clamp Foam Barrier	948087	
18	VB Upper Assy Q110	VB Upper Assy Q110	957657	
19	FPM Security Case	Boitier Securite	948365	
20	Box Calc Assy Q110 Alu	Boîte Calc Assy Q110 Alu	951429	Aluminium
	Calculator Head Fab 3PB ACP	Tête Electronique Preset ACP	948372	Push Button, ACP

(CONT.)



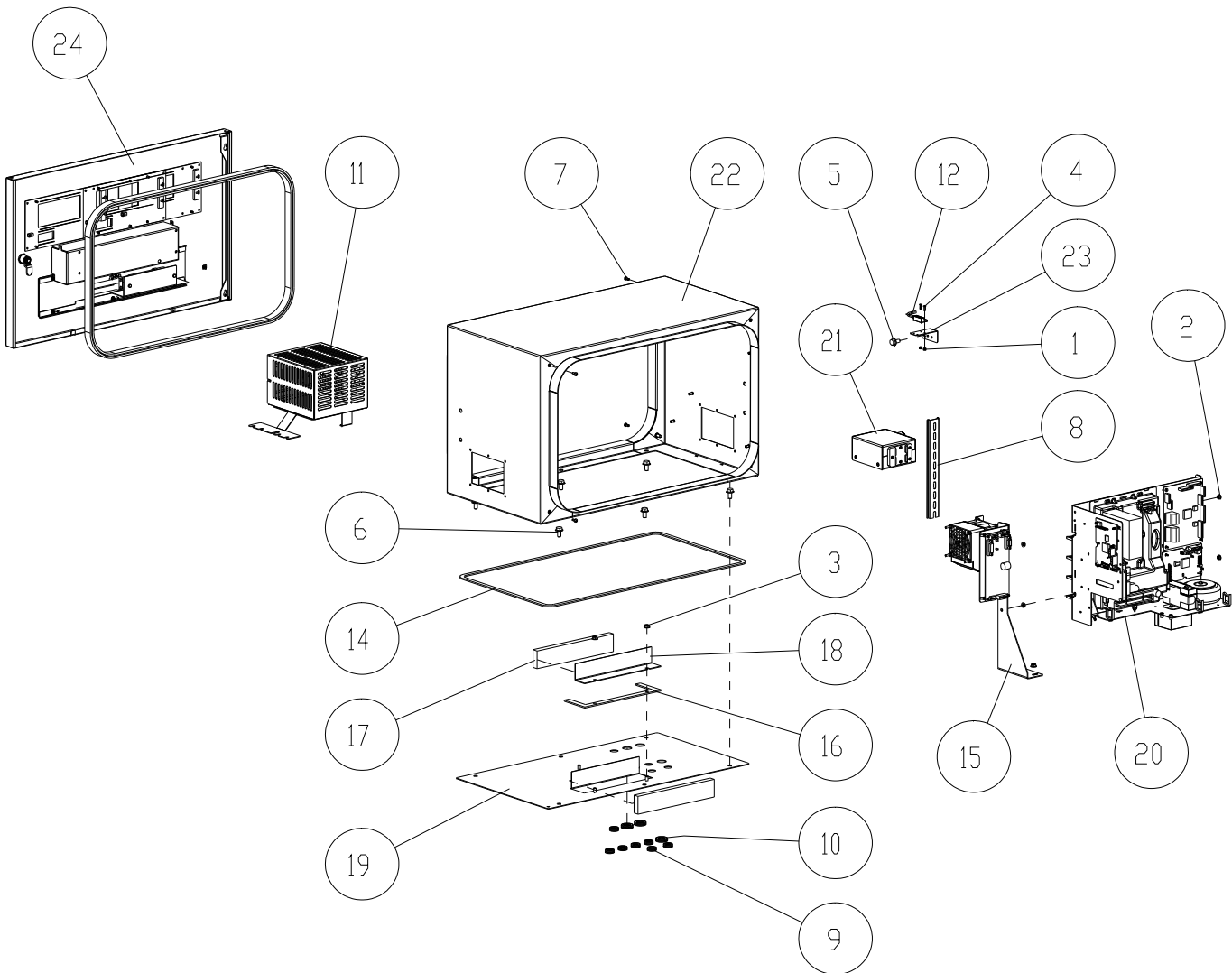
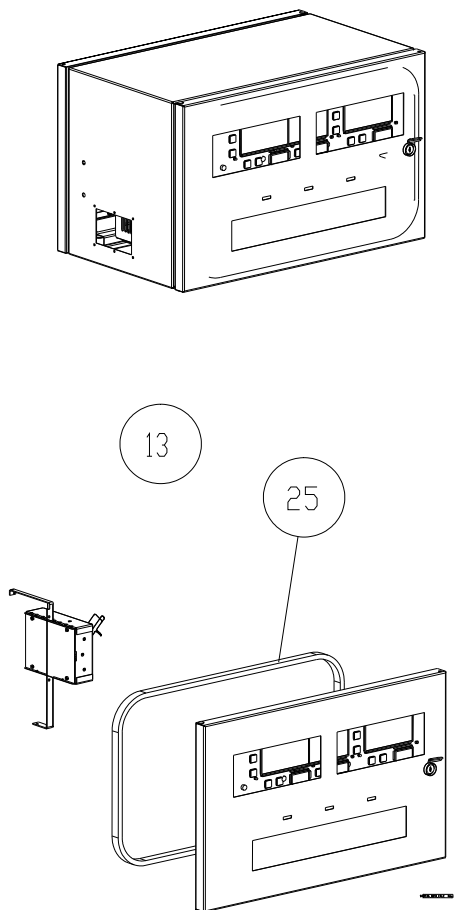
5.1.1 Q110 WWC CALCULATOR HEAD ASSEMBLY (CONT.)

Item No	Description	Désignation Français	Part No	Comments
20	Calculator Head Fab 3PB SSt	Tête Electronique Preset Inox	948375	Push Button, Stainless Steel
(Cont.)	Box Calc Preset Assy Q110 Alu	Boîte Calc Preset Asm Q110 Alu	951433	Aluminium
	CP Calc Head Fab Assy (ACP)	CP Calc Head Fab Assy (ACP)	948370	Additional Corrosion Protection
	CP Calc Head Fab Assy SST	CP Calc Head Fab Assy SST	948371	Stainless Steel
	CP Calc Cover Fab Assy (MS)	CP Calc Cover Fab Assy (MS)	948369	
	Calc Head PS Fab Assy MS	Calc Head PS Fab Assy MS	948367	Push Button
	CP Calc (3PB) Fab Assy (ACP)	CP Calc (3PB) Fab Assy (ACP)	948372	
21	Q110 Programming Switch Bracket	Support du Switch de Programmation	949037	
22	Q110 Calculator Head Sealing	Tête Calculateur Porte Scellant	901950-001	
23	Q110 Capacitor Box Assembly	Boite à Cond. GM - Dessus	-	Refer to Q110 Capacitor Box Asm
24	Q110 Calculator Head Door Assembly	Tête Calculateur Porte Asm	-	Refer to Calc. Head Door Assemblies



5.1.2 Q110 TQC-IPD CALCULATOR HEAD ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Prev Torque M3	Ecrou Frein M3	900012-001	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Screw SCS M3 x 12	Vis FS M3 x 12	900014-004	
4	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
5	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-024	
6	Screw Torx Thr Form BH M4	Vis Torx AutoF TCBL Trilob	900053-001	
7	Grommet Membrane ID 11 Perforated	Passe fil à Membrane Perforee	903754-001	Perforated
	Grommet Membrane ID 11	Passe fil à Membrane DG11	902331-003	
	Grommet Membrane ID 16 Perforated	Passe fil à Membrane DG16 Perforee	903754-002	Perforated
	Grommet Membrane ID 16	Passe fil à Membrane DG16	902331-004	
8	Magnetic Proximity Switch L=3m	Contact Magnetiq de Proximite L=3m	908172-001	Programming Switch
9	Calculator Head Fab ACP	Tête Electronique Soudee ACP	948370	Additional Corrosion Protection
	Calculator Head Fab SSt	Tête Electronique Soudee Inox	948371	Stainless Steel
	Box Calc Assy Q110 Alu	Boîte Calc Assy Q110 Alu	951429	Aluminium
	CP Calc (3PB) Fab Assy (ACP)	CP Calc (3PB) Fab Assy (ACP)	948372	
10	Q110 Programming Switch Bracket	Support du Switch de Programmation	949037	
11	Assy - TQC-IPD Electronics	Asm - Electronique de TQC-IPD	-	Refer to TQC-IPD Electronics Plate
12	Foam Barrier Assy	Foam Barrier Assy	950537	
13	Battery sealing for TQC-IPD	Batterie pour sceller TQC-IPD	-	Refer to TQC-IPD Battery Sealing
14	Q110 Calculator Head Sealing	Tête Calculateur Porte Scellant	901950-001	
15	Q110 TQC-IPD Calculator Head Door Asm	Tête TQC-IPD Calculateur Porte Asm	-	Refer to Calc Head Door Assemblies

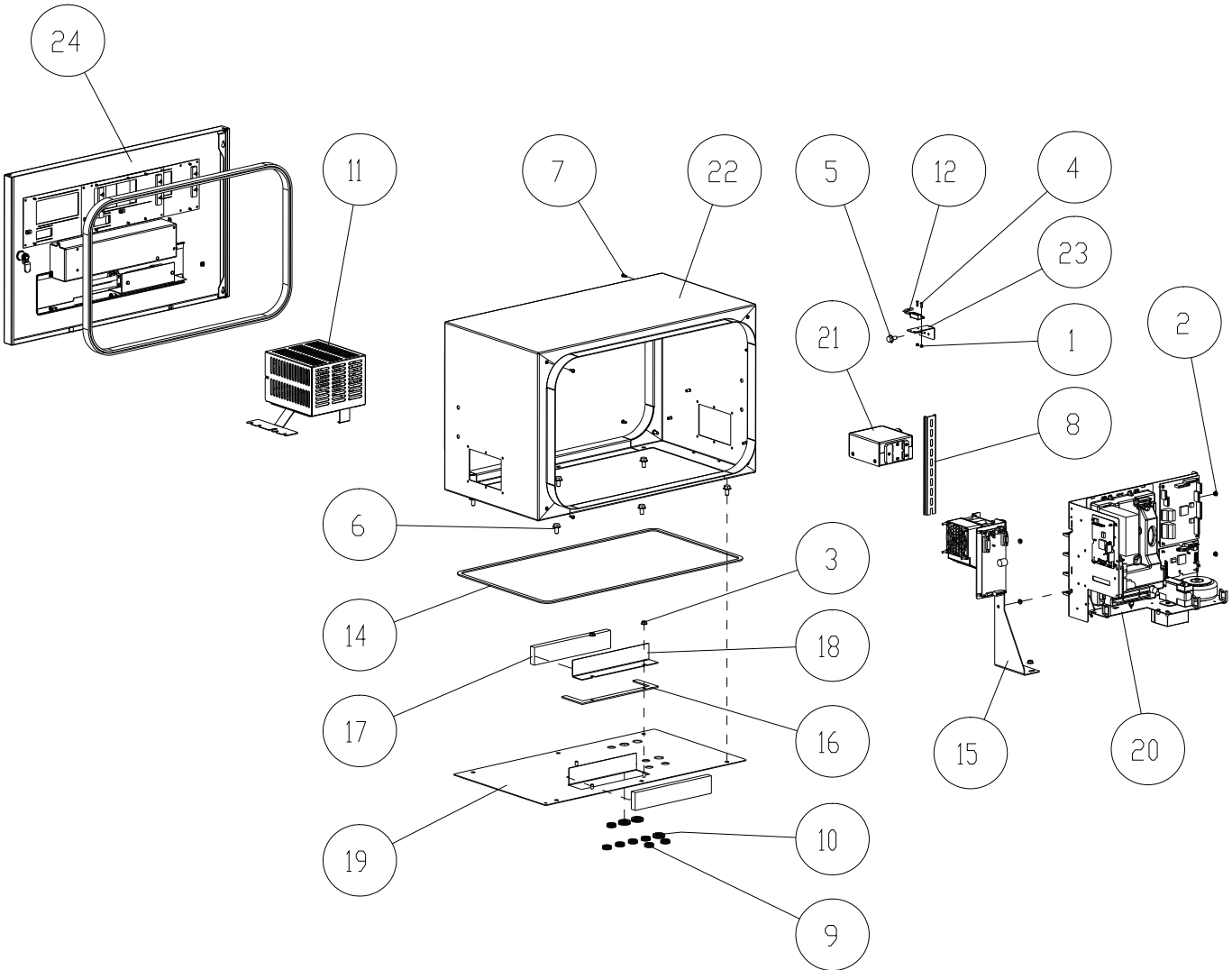
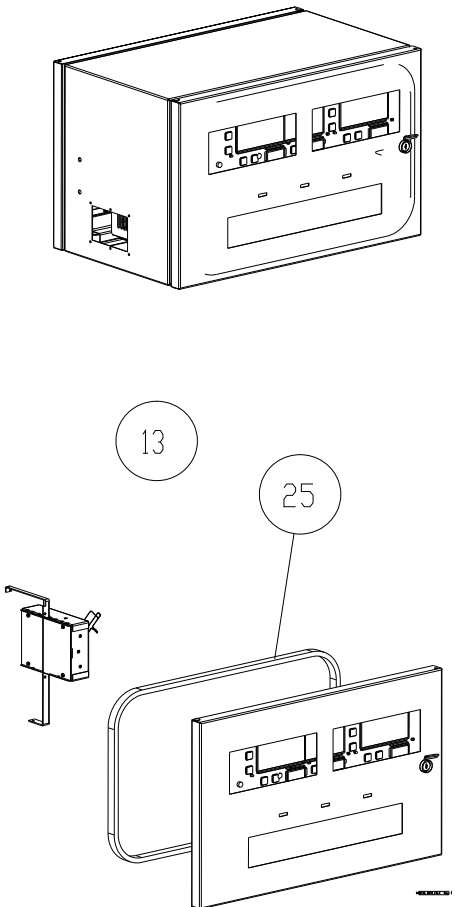


5.1.3 Q210 WWC CALCULATOR HEAD ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Prev Torque M3	Ecrou Frein M3	900012-001	
2	Nut Hex Self Lock M5	Ecrou Bride Autobloquant M5	900013-002	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Screw SCS M3x12	Vis FS M3x12	900014-004	
5	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
6	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-024	
7	Screw Torx Thr Form BH M4	Vis Torx AutoF TCBL Trilob	900053-001	
8	Rail TS 35 L=250	Rail de Bornier TS 35 L=250	901432-008	Refer to Mains Rail Assembly
9	Grommet Membrane ID 11 Perforated Grommet Membrane ID 11	Passe fil à Membrane Perforee Passe fil à Membrane DG11	903754-001 902331-003	Perforated
10	Grommet Membrane ID 16 Perforated Grommet Membrane ID 16	Passe fil à Membrane DG16 Perforee Passe fil à Membrane DG16	903754-002 902331-004	Perforated
11	Capacitor Box Assembly	Boite à Cond. GM - Dessus	-	Refer to Capacitor Box Assembly
12	Magnetic Proximity Switch L=3M	Contact Magnetiq de Proximite L=3m	908172-001	Programming Switch
13	Pulser Sealing Box Assembly	Pulser Boite Scellant Asm	-	Refer to Pulser Sealing Box Asm
14	Calculator Base Sealing	Calculateur Embase Scellant	947338	
15	Centreplate Support Bracket Assembly	Centreplaquer Support Traverse Asm	-	Refer to Centreplate Supp.Bkt Asm
16	Gasket Foam Barrier	Barrière Garniture Foam	948085	
17	Foam Barrier	Barrière Foam	948086	
18	Clamp Foam Barrier	Barrière Foam Bride	948087	
19	VB Upper Assy Q210	VB Upper Assy Q210	948749	
20	Centreplate Assembly	Centreplaquer Asm	-	Refer to Centreplate Assembly
21	FPM Security Case	Boitier securite	948365	
22	Box Calc Weld Assy Alu Q210 Alu Calc Box Preset Asm CP Calc Head Fab Assy (ACP) CP Calc Head Fab Assy (BA)	Box Calc Weld Assy Alu Q210 Alu Calc Boîte Preset Asm CP Calc Head Fab Assy (ACP) CP Calc Head Fab Assy (BA)	952361 951484 948378 948381	Aluminium Additional Corrosion Protection Stainless Steel

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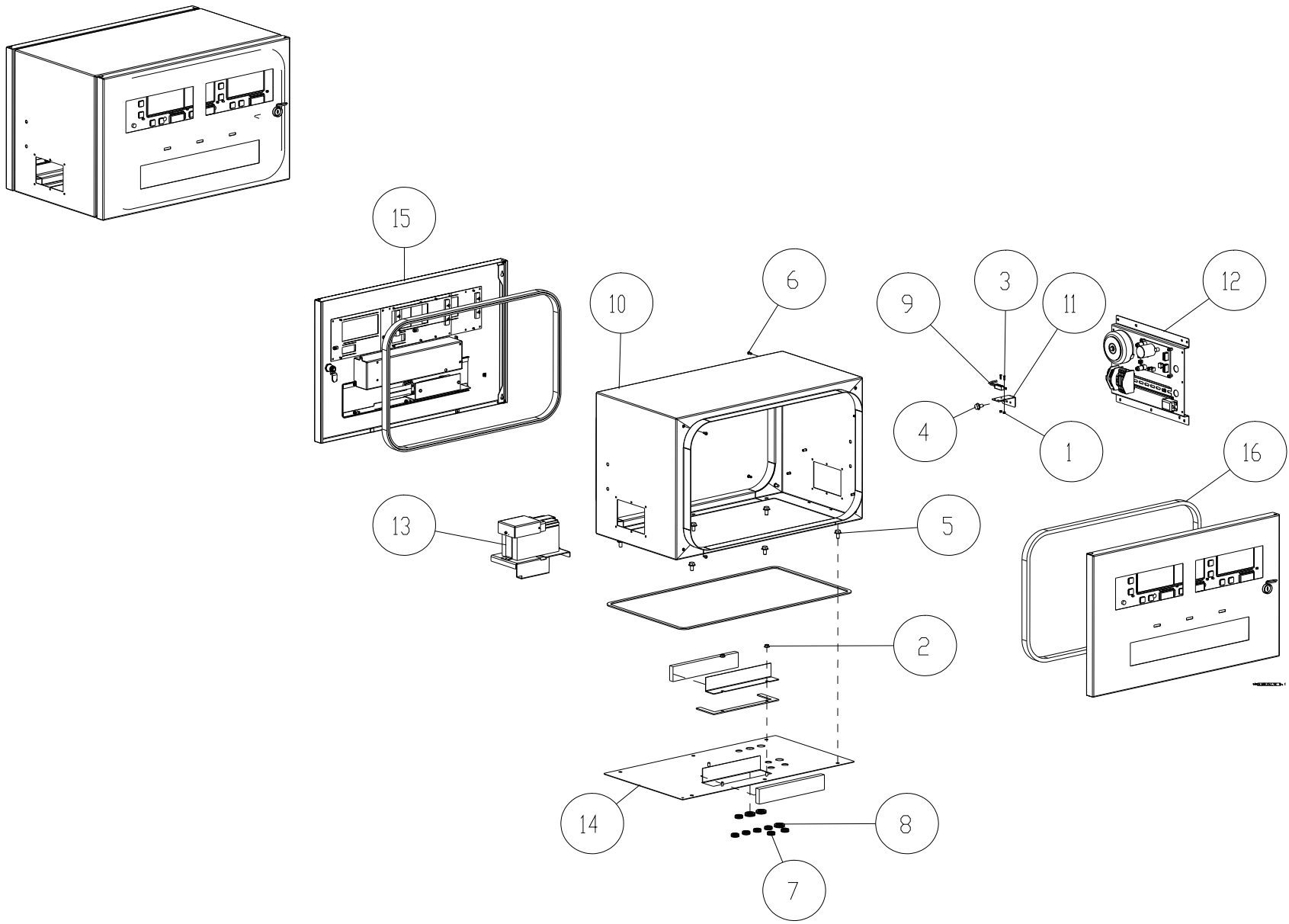




5.1.3 Q210 WWC CALCULATOR HEAD ASSEMBLY (CONT.)

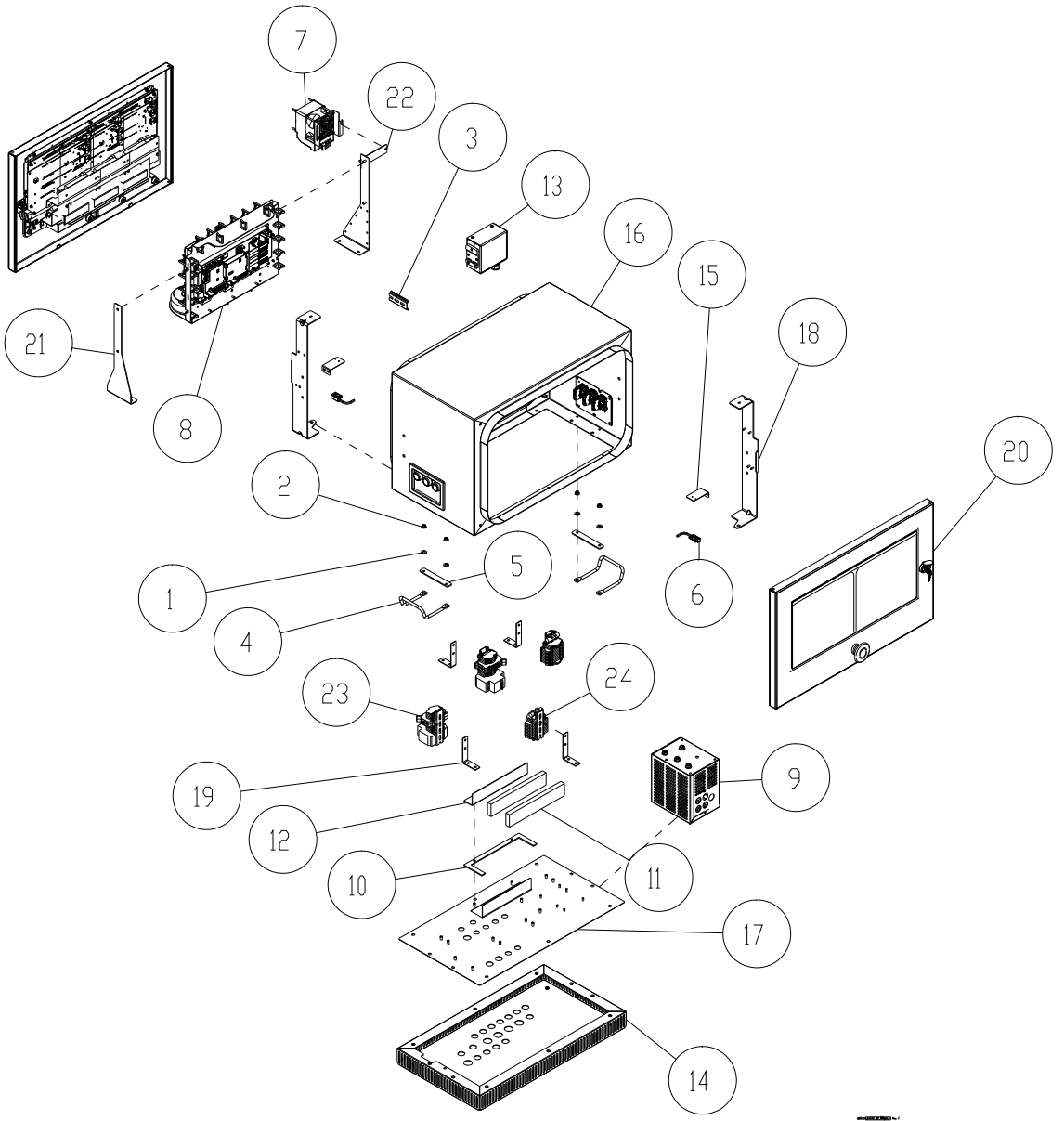
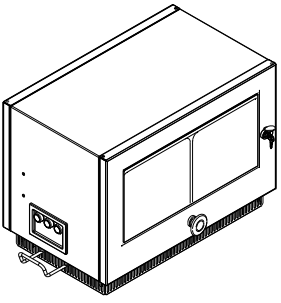
Item No	Description	Désignation Français	Part No	Comments
22	CP Calc Head Fab Assy (MS)	CP Calc Head Fab Assy (MS)	948386	
(Cont.)	CP Calc Head 3PB FabAssy (ACP)	CP Calc Head 3PB FabAssy (ACP)	948382	Push Button, ACP
	CP Calc Head 3PB Fab Assy (BA)	CP Calc Head 3PB Fab Assy (BA)	948385	Push Button, Stainless Steel
	CP Calc Head 3PB Fab Assy (MS)	CP Calc Head 3PB Fab Assy (MS)	948387	Push Button
	CP Calc Head 3PB Fab Assy (MS)	CP Calc Head 3PB Fab Assy (MS)	948387	
	CP Calc Head 3PB Fab Assy (MS)	CP Calc Head 3PB Fab Assy (MS)	948387	
23	Q210 Programming Switch Bracket	Support du Switch de Programmation	949036	
24	Calculator Head Door Assembly	Tête Calculateur Porte Asm	-	Refer to Calculator Head Door Asms
25	Calculator Head Door Sealing	Tête Calculateur Porte Scellant	901950-001	





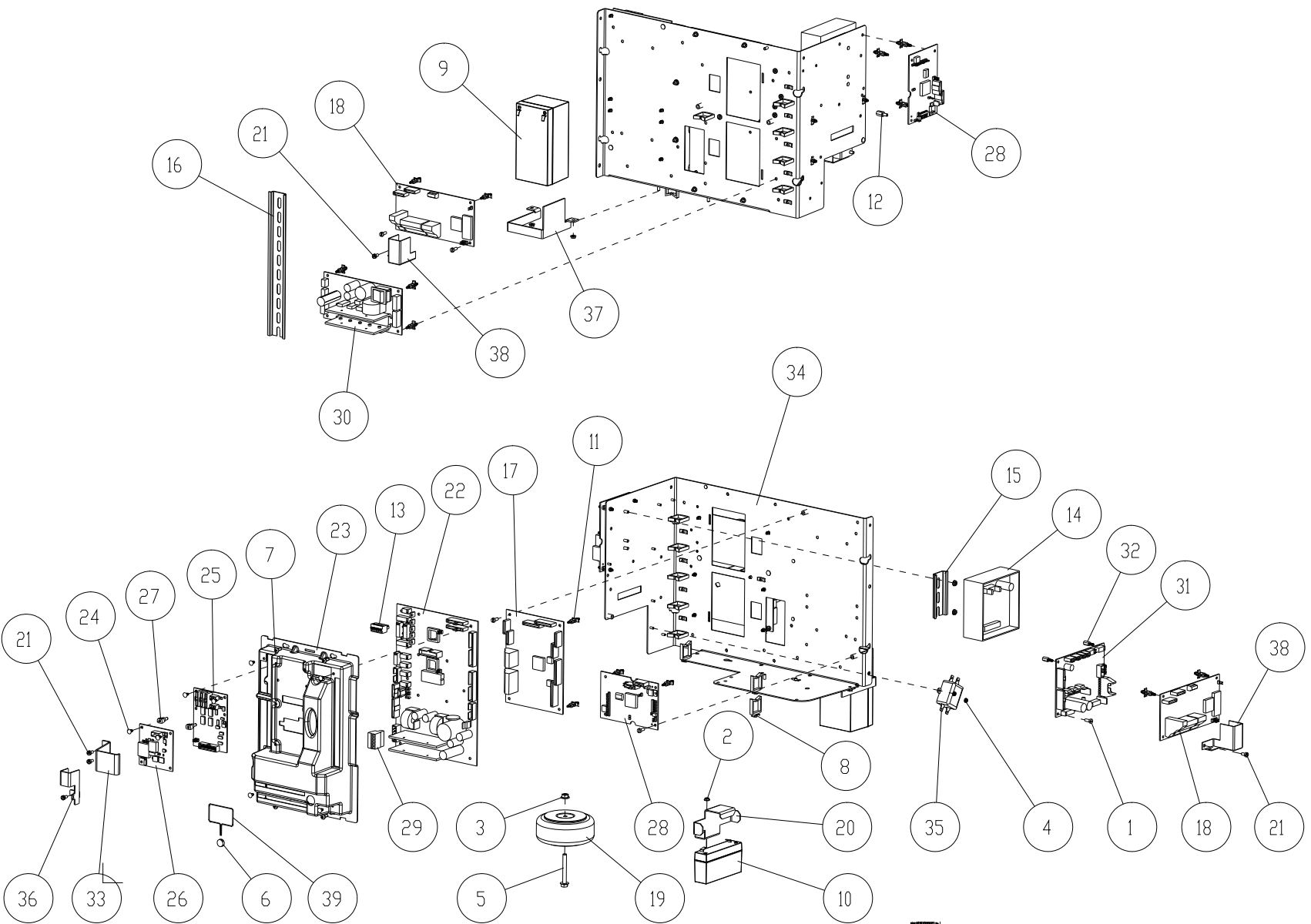
5.1.4 Q210 TQC-IPD CALCULATOR HEAD ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Prev Torque M3	Ecrou Frein M3	900012-001	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Screw SCS M3x12	Vis FS M3x12	900014-001	
4	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
5	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-024	
6	Screw Torx Thr Form BH M4	Vis Torx AutoF TCBL Trilob	900053-001	
7	Grommet Membrane ID 11 Perforated Grommet Membrane ID 11	Passe fil à Membrane Perforee Passe fil à Membrane DG11	903754-001 902331-003	Perforated
8	Grommet Membrane ID 16 Perforated Grommet Membrane ID 16	Passe fil à Membrane DG16 Perforee Passe fil à Membrane DG16	903754-002 902331-004	Perforated
9	Magnetic Proximity Switch L=3M	Contact Magnetiq de Proximite L=3m	908172-001	Programming Switch
10	Calculator Head Fab 3PB ACP Calculator Head Fab 3PB SS Calculator Head Fab 3PB Q210 Alu Calc Box Preset Asm CP Calc Head 3PB Fab Assy (MS)	Tête Electronique Preset ACP Tête Electronique Preset Inox Tête Electronique Preset Q210 Alu Calc Boîte Preset Asm CP Calc Head 3PB Fab Assy (MS)	948382 948385 948387 951484 948387	Push Button, ACP Push Button, Stainless Steel Push Button Aluminium
11	Q210 Programming Switch Bracket	Support du Switch de Programmation	949036	
12	TQC-IPD Electronic Plate	Electronique de TQC-IPD	-	Refer to TQC-IPD Elect. Plate
13	TQC-IPD Battery Sealing	Batterie d'Etancheite TQC-IPD	-	Refer to TQC-IPD Battery Sealing
14	VB Upper Assy Q210	VB Upper Assy Q210	948749	
15	TQC Calculator Head Door Assembly	TQC Tête Calculeur Porte Asm	-	Refer to Calculator Head Door Asms
16	Calculator Head Door Sealing	Tête Calculeur Porte Scellant	901950-001	



5.1.5 Q210 TQC CALCULATOR HEAD ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Washer PL M8	Rondelle PL M8	900008-013	
2	Nut Hex Self Lock M6	Ecrou autobloquant Flange M6 x	900013-003	
3	Rail TS 35 I=75	Rail de bornier I=75	901432-001	
4	Hook - retaining hose	Crochet flexible	904127	
5	Hook retaining hose - Strenght	Renfort crochet flexible	904134	
6	Magnetic Proximity Switch 3M	Contact magnetiq.de proximité	908172-001	
7	Heater DBK 300W	Chauffage DBK 300W	909214-001	
8	TQC Centerplate Elec Options	TQC Centerplate Elec Options	-	Refer to TQC Centerplate Asm
9	200T Capacitor Box Assy	200T Capacitor Box Assy	-	Refer to Q210 Capacitor box Asm
10	Vapour Barrier Gasket Q210	Vapour Barrier Gasket Q210	948085	
11	Foam Barrier Q210	Foam Barrier q210	948086	
12	Clamp Foam Barrier Q210	Clamp Foam Barrier Q210	948087	
13	FPM Metal box assy	Boitier sécurité FPM	-	Refer to Anti Fraud Assembly
14	Air Gap Stl St Assy Q210	Air Gap Inox Assy Q210	948743	
15	Bracket Prog Read Switch	Bracket Prog Read Switch	949650	
16	Box Calc ACP Assy	Box Calc ACP Assy	956029	
	Box Calc BA Assy	Box Calc BA Assy	956031	
	Box Calc Preset ACP Assy	Box Calc Preset ACP Assy	956033	
	Box Calc Preset BA Assy	Box Calc Preset BA Assy	956035	
17	VB Upper Q210 TQC ST Assy	VB Upper Q210 TQC ST Assy	952359	
18	Bkt TQC ST 210 Assy	Bkt TQC ST 210 Assy	952364	
19	DIN rail bracket	Support rail DIN	952376	
20	Calculator Door Assembly	Calculator Door Assembly	-	Refer to Calculator Door Assemblies
21	Brkt CP Support Right Assy	Brkt CP Support Assy	954956	
22	Brkt CP Support Left Assy	Brkt CP Support Assy	954958	
23	High Voltage Rail Assembly	High Voltage Rail Assembly	-	Refer to High Voltage Rail Assembly
24	Low Voltage Rail Assembly	Low Voltage Rail Assembly	-	Refer to Low Voltage Rail Assembly



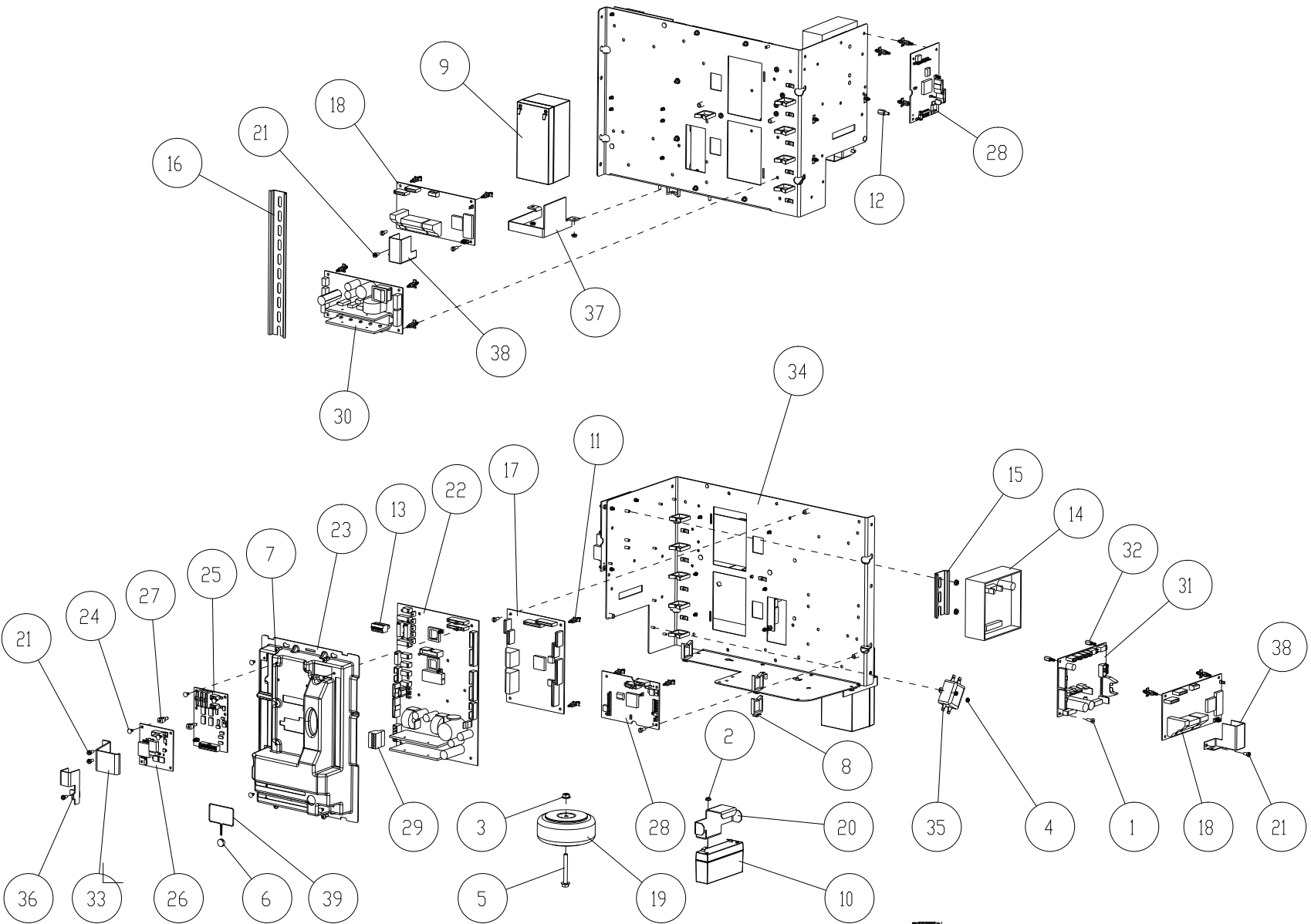
5.2 Centreplate Assemblies

5.2.1 WWC CENTREPLATE

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x10	Vis CS M4x10	900007-001	
2	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
5	Screw HFHSL M6x50	Vis Hex Br Autobl M6x50	900016-005	
6	Sealing Lead	Plomb à Pincer	900040	
7	Screw CRRCH M4x10	Vis CBLZ M4x10	900052-003	
8	Wire Clip max entas. 19	Fixation Câble Max Bundle 19	900058-001	
9	Battery 12V 3.2 Ah (Box Type)	Batterie 12V 3.2 Ah	900072-002	
10	Battery 6V 1.2 Ah	Batterie 6V 1.2 Ah	900075-001	
11	Lock. Circuitboard Support 9.5mm	Tabl Circ Verrouil Sup. 9.5mm	900456-001	
12	Spacer Thr Hex MF M4x12x8x8	Entretoise Hex MF M4x12x8x8	900711-017	
13	Connector Pitch 3.81mm 3 Pole	Connector Pitch 3.81mm 3 Pole	900862-003	
	Connector Pitch 3.81mm 4 Pole	Connector Pitch 3.81mm 4 Pole	900862-004	
	Connector Pitch 3.81mm 5 Pole	Connector Pitch 3.81mm 5 Pole	900862-005	
	Connector Pitch 3.81mm 6 Pole	Connector Pitch 3.81mm 6 Pole	900862-006	
14	ERZ Assy VFM Zener Barrier	ERZ Assy VFM Zener Barrier	901207	
15	Rail TS 35 L=75	Rail de Bornier TS 35 L=75	901432-001	
16	Rail TS 35 L=250	Rail de Bornier TS 35 L=250	901432-008	
17	OCB (Option Controller Board)	Le Controleur D'Option Monte	901538	
18	HOM (Hydraulic Option Module)	Module Hydraulique D'Option	901539	
19	Toroidal Power Transformer	Toroidal Transformateur	901541	
20	Bracket Battery Calculator	Encadrer Calc. De Batterie	901545	
21	M4 x 8 Sealing Screw 5-8 StZn	M4 x 8 Scellant VIS 5-8 StZn	901551-001	
22	WWC Mainboard V4	WWC Mainboard V4	901553	
23	WWC-251 Cover	WWC-251 Couvrir	901559	

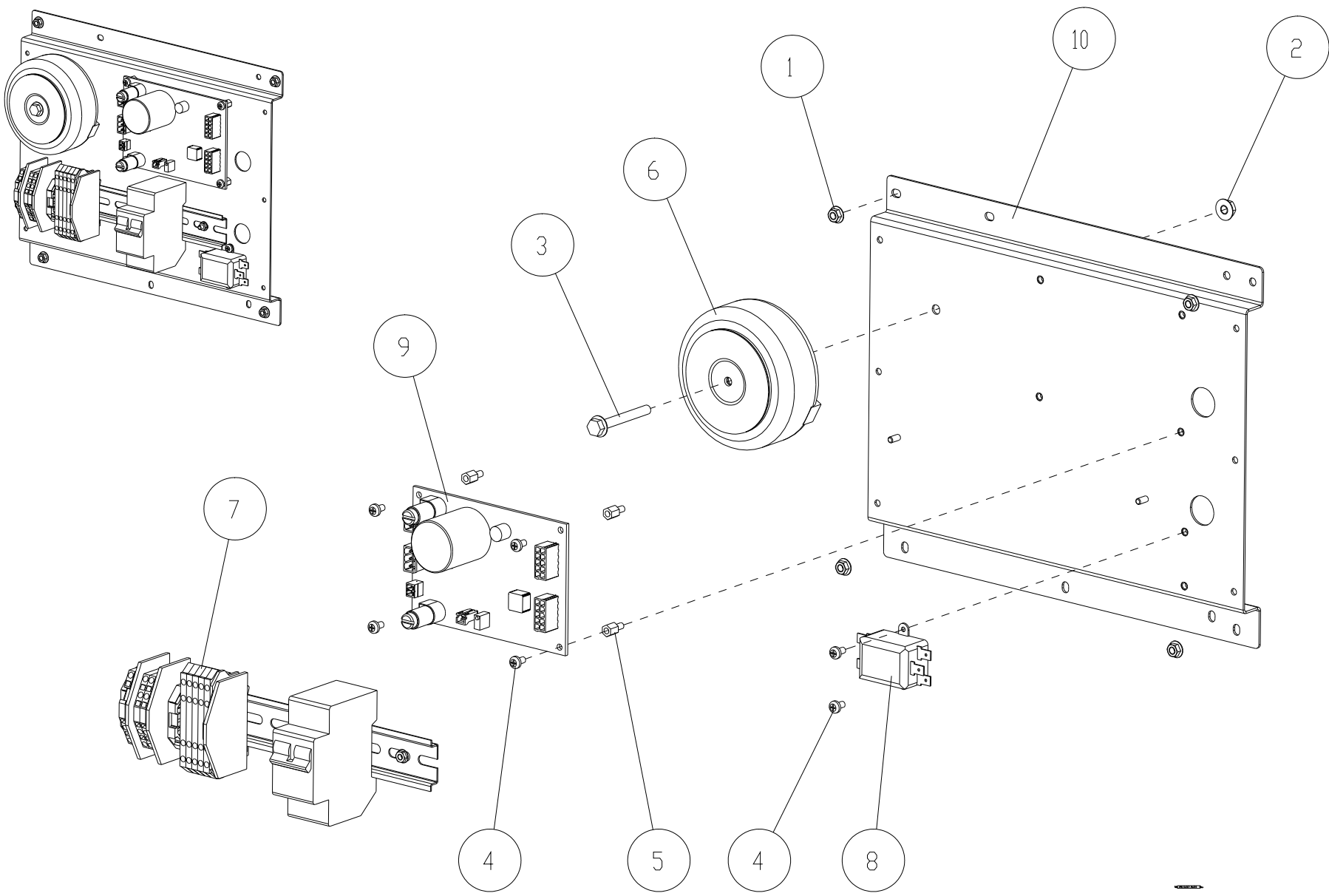
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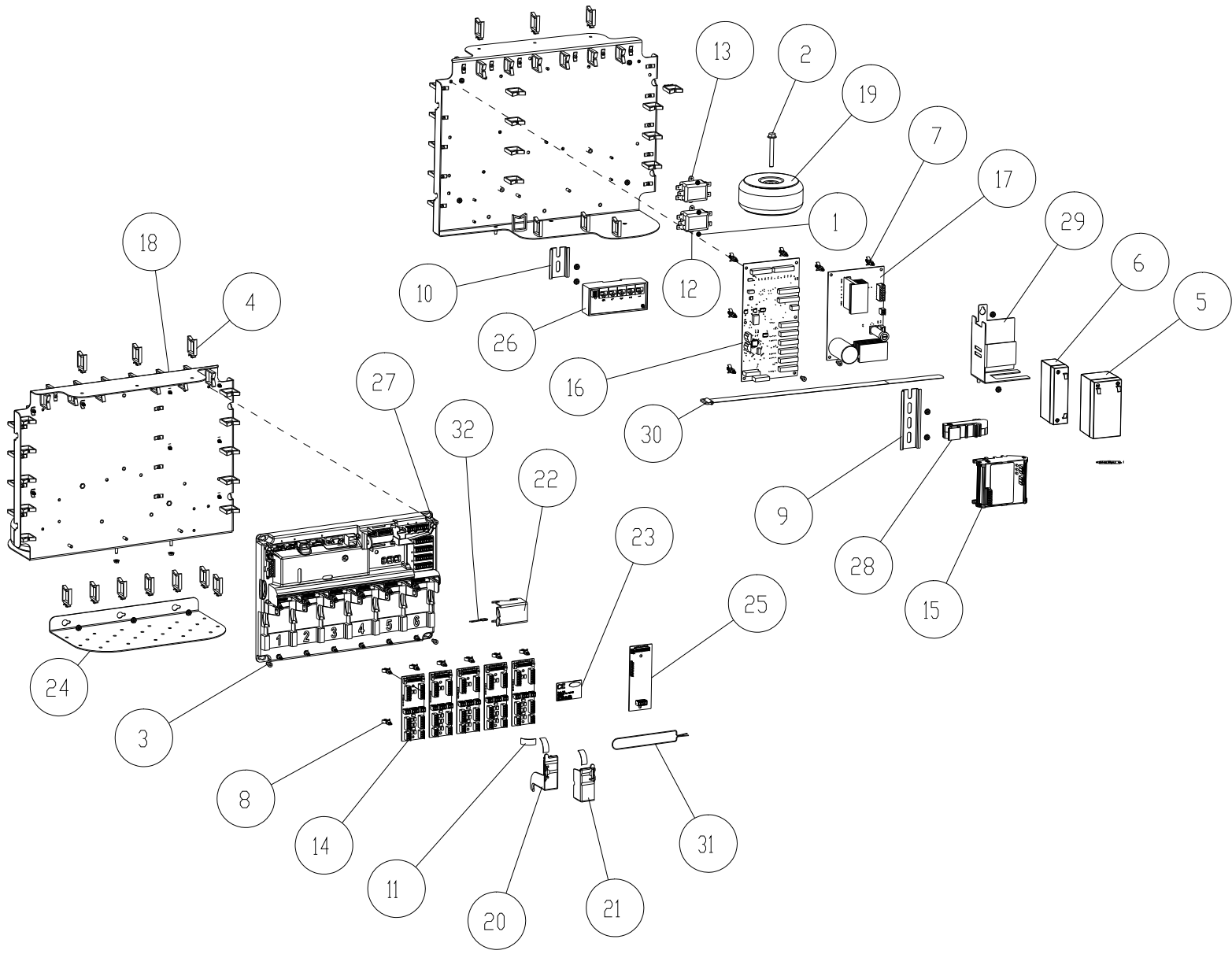
5.2.1 WWC CENTREPLATE (CONT.)

Item No	Description	Désignation Français	Part No	Comments
24	4MM Nylon Rivet	4mm Nylon Rive	901560-001	
25	PCB/WWC022/EIB/IO Ext. Board	PCB/WWC022/EIB/IO Ext. Monte	901561	
26	WWC Comms Board LON/IFSF	WWC Communication Monter LON/IFSF	902254	
	WWC Comms Board M32/M3000	WWC Communication Monter M32/M3000	902255	
	WWC Comms Board ZSR/FM	WWC Communication Monter ZSR/FM	902256	
	WWC Com. Brd Kienzle/ER3/S&B/DOMS	WWC Com. Monter Kienzle/ER3/S&B/DO	902257	
	WWC Comms Board Autotank	WWC Communication Monter Autotank	902258	
	WWC Comms Board Dresser/EPS	WWC Com. Monter Dresser/EPS	902259	
	WWC Comms Board Tokheim	WWC Communication Monter Tokheim	902260	
	WWC Comms Board Logitron	WWC Communication Monter Logitron	902261	
	WWC Comms Board EIN/Sofitam/82D	WWC Com. Monter EIN/Sofitam/82D	900329	
	WWC Comms Board Nouvo Pignioni	WWC Com. Monter Nouvo Pignioni	940258	
27	11mm Nylon Board Support	11mm Nylon monter soutien	901563-002	
28	User Access Module IR	Utilisateur Accede le Module	901565	
29	Connector FKC 2.5	Connecteur FKC 2.5	902042-005	
30	Power Management Board (PMU)	Gestion Assistee Monte (PMU)	903196	
31	VRC-3 ECVR Board	VRC-3 ECVR Monte	904197	
32	Standoff Locking M3 6x10	Entretoise Clip M3 6x10	906122-001	
33	Mainboard Pulser Seal	Joint de Pulser de Mainboard	906486	
34	WWC-T1 Centreplate V1 Assy	WWC-T1 Centreplaquer V1 Asm	906536	
35	Netfilter Schaffner 1 Amp	Netfilter Schaffner 1 Amp	906645-001	
36	Pulser Cover	Couvercle Emmeteur	9400025980	
37	Auxiliary Battery Fixation	Fixation Batterie Auxiliaire	947935	
38	HOM Sealing Bracket	Couverture de Scellage	948313	
39	Wire Seal	Métallique Cacheter	-	



5.2.2 TQC-IPD ELECTRONICS PLATE

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M5	Ecrou Bride Autobloquant M5	900013-002	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Screw HFHSL M6x50	Vis Hex Br Autobl M6x50	900016-005	
4	Screw CRRCHTF M4x8	Autotara Cyl Bomb Emp Cru M4x8	900078-003	
5	Spacer Thr Hex MF M4x8x8x8	Entretoise Hex MF M4x8x8x8	900711-033	
6	Toroidal Power Transformer	Toroidal Transformateur	901541	
7	TQC-IPD Rail Set	Rail de Bornier TQC-IPD	-	Refer to TQC-IPD Rail Assembly
8	Mains Filter	Filtre de Forces	906645	
9	TQC-IPD PSU	PSU TQC-iPD	946748	
10	Electronics Plate	Support de l'Electronique	947777	

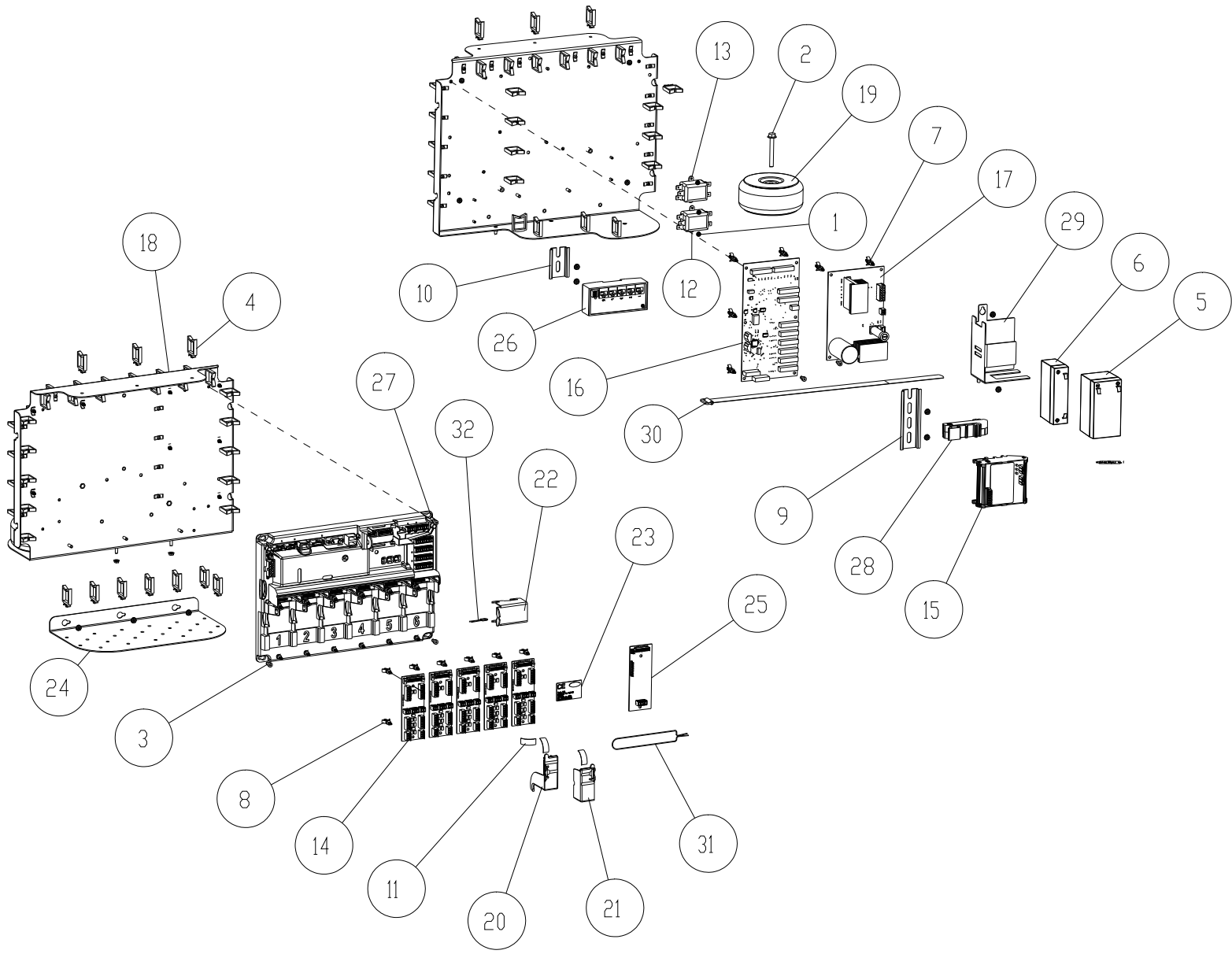


5.2.3 TQC CENTRE PLATE ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4 x	900013-001	
2	Nut Hex Self Lock M3	Ecrou Et Rondelle Eventail M3	900013-006	
3	Screw HFHSL M6x50	Vis Bride Hex Autobloq M6x50	900016-005	
4	Screw HSHC M4x8	Vis CHC M4 x 8	900017-008	
5	Wire clip dim. 21.6 19.6	Fixation cable dim 21.6 19.6	900058-001	
6	BATTERY 12V 1.2Ah	BATTERIE 12V 1,2 Ah	900072-001	
7	BATTERY 6V 1.2Ah	BATTERIE 6V 1,2Ah	900075-001	
8	Lock. circuitboard sup. 9.5 mm	Tabl circ verrouil sup. 9.5 mm	900456-001	
9	Lock. circuitboard sup. 4.8 mm	Tabl circ verrouil sup. 4.8 mm	900456-002	
10	Rail TS 35 I=100	Rail de bornier TS I=100	901432-005	
11	Rail TS 35 I=50	Rail de bornier TS I=50	901432-014	
12	TQC Pulser Sticker Dundee	TQC étiquette D/dee	901689-235	
	TQC Pulser Sticker Grenthevill	TQC étiquette Grentheville	901689-236	
	TQC Pulser Sticker Bladel	TQC étiquette Bladel	901689-237	
	TQC Pulser Sticker SSD	TQC étiquette SSD	901689-238	
13	netfilter Schaffner 1Amp	netfilter Schaffner 1Amp	906645-001	
14	netfilter Schaffner 3A	netfilter Schaffner 3A	906645-002	
15	PCB/TQC002/HYM Hydraulic Modul	PCB/TQC002/HYM Hydraulic Modul	942184	
16	Energy Limiting Unit for CAN	Energy Limiting Unit for CAN	942387	
17	PCB/TQC006/SIO/Slave IO board	PCB/TQC006/SIO/Slave IO board	942687	
18	PCB/TQC005L0/PSU	PCB/TQC005L0/PSU	942696	
19	TQC T1 Centerplate Assy	TQC T1 Centerplate Assy	951222	
20	TQC Transformer 25V 160VA	TQC Transformer 25V 160VA	943725	
21	TQC Hym seal left	TQC Hym seal left	944072	
22	TQC Hym seal right	TQC Hym seal right	944073	
23	TQC EMT seal cap	TQC EMT seal cap	944074	
24	TQC Sticker seal	TQC Sticker seal	944076	
	TQC Sticker seal "Bladel"	TQC Sticker seal "Bladel"	944076-001	

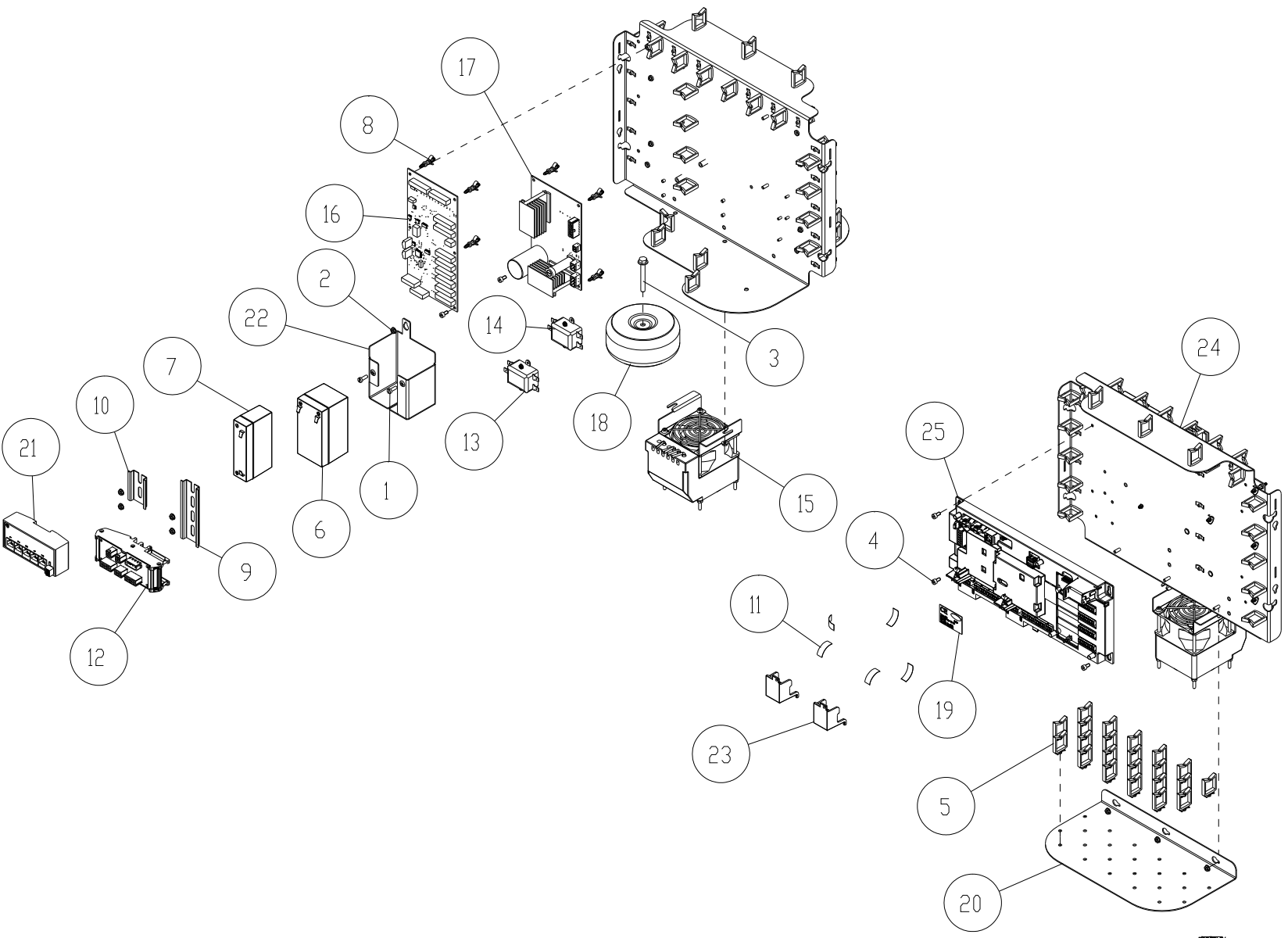
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5.2.3 TQC CENTRE PLATE ASSEMBLY (CONT.)

Item No	Description	Désignation Français	Part No	Comments
24	TQC Sticker seal"Grentheville"	TQC Sticker seal"Grentheville"	944076-002	
(Cont.)	TQC Sticker seal"Dundee"	TQC Sticker seal"Dundee"	944076-003	
25	TQC Cable clip bracket	TQC Cable clip bracket	944580	
26	PCB/TQC012L0/TOK comms single	PCB/TQC012L0/TOK comms single	944581	
	PCB/TQC022L0/DAR0 comms board	PCB/TQC022L0/DAR0 carte comms	947037	
	PCB/TQC008L0/EIN comms board	PCB/TQC008L0/EIN comms board	942693	
	PCB/TQC010L0/EPS comms board	PCB/TQC010L0/EPS comms board	942695	
	PCB/TQC031L0/M32 Comms Brd	PCB/TQC031L0/M32 Comms Brd	950392	
	PCB/TQC035L0/KZL0 comms brd	PCB/TQC035L0/KZL0 carte com	952864	
	PCB/TQC009L0/LOGITRON comm brd	PCB/TQC009L0/LOGITRON comm brd	942694	
	PCB/TQC007L0/LON comms board	PCB/TQC007L0/LON comms board	942692	
	PCB/TQC031L0/M32 Comms Brd	PCB/TQC031L0/M32 Comms Brd	950392	
	PCB/TQC037L0/NUP0 comms brd	PCB/TQC037L0/NUP0 carte comms	953437	
	PCB/TQC012L0/TOK comms single	PCB/TQC012L0/TOK comms single	944581	
	PCB/TQC029L0/ZSR-DUN comms brd	PCB/TQC029L0/ZSR-DUN carte com	949253	
27	Switch Ethernet 10/100 5 Ports	Switch Ethernet 10/100 5 Ports	946590-001	
28	Assy TQC Cover + I/O and ARM9	Assy TQC Cover + I/O and ARM9	947802	Standard without Software
	Assy TQC Cover	Assy TQC Cover	953053	Non VR without Software
	Assy TQC Cvr + I/O + APB + SW	Assy TQC Cvr + I/O + APB + SW	955515	With Software
	Assy TQC Cover (EIO nonVR)+SW	Assy TQC Cover (EIO nonVR)+SW	955516	Non VR with Software
	PCB/TQC011/APB/ARM9	PCB/TQC011/APB/ARM9	943567	Without Software
	PCB/TQC011L5/APB5/SITARA + SW	PCB/TQC011L5/APB5/SITARA + SW	955514	With Software
29	PCB/TQC034/SCN Ser. Converter	PCB/TQC034/SCN Ser. Converter	952762	
30	TQC Battery Bracket	TQC Battery Bracket	957834	
31	Velcro Strap	Velcro Strap	957835	
32	Wire Seal	Métallique Cacheter	-	
33	Wire Seal	Métallique Cacheter	-	

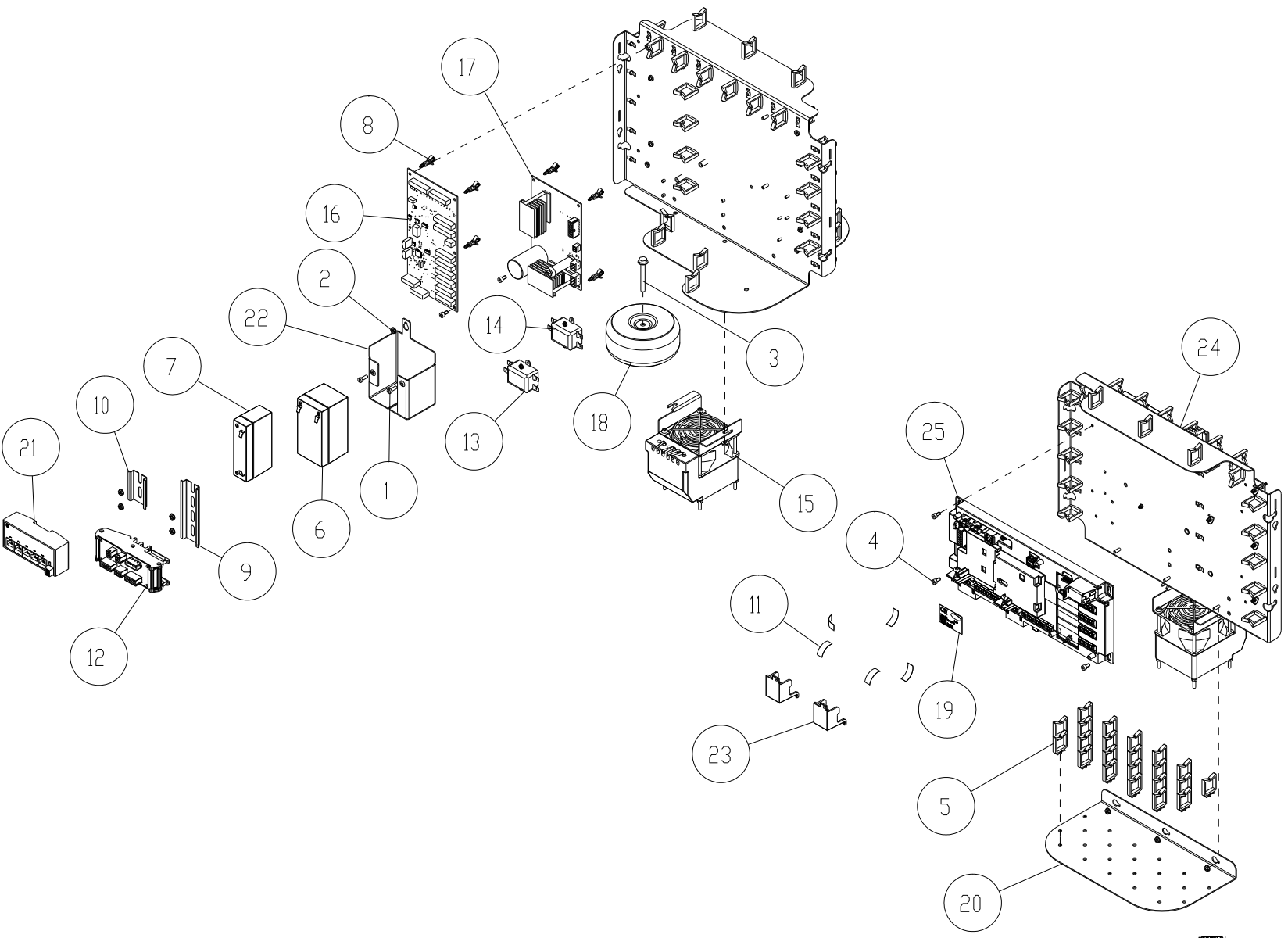


5.2.4 TQC-EST CENTRE PLATE ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x12	VIS CS/CLS M4 x 12	900007-006	
2	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4 x	900013-001	
3	Screw HFHSL M6x50	Vis Bride Hex Autobloq M6x50	900016-005	
4	Screw HSHC M4x8	Vis CHC M4 x 8	900017-008	
5	Wire clip dim. 21.6 19.6	Fixation cable dim 21.6 19.6	900058-001	
6	Battery 12V 1.2Ah	Batterie 12V 1,2 Ah	900072-001	
7	Battery 6V 1.2Ah	Batterie 6V 1,2Ah	900075-001	
8	Lock. circuitboard sup. 9.5 mm	Tabl circ verrouil sup. 9.5 mm	900456-001	
9	Rail TS 35 I=100	Rail de bornier TS I=100	901432-005	
10	Rail TS 35 I=50	Rail de bornier TS I=50	901432-014	
11	TQC Pulser Sticker Dundee	TQC étiquette D/dee	901689-235	
	TQC Pulser Sticker Grenthevill	TQC étiquette Grentheville	901689-236	
	TQC Pulser Sticker Bladel	TQC étiquette Bladel	901689-237	
	TQC Pulser Sticker SSD	TQC étiquette SSD	901689-238	
12	Assy DIN rail TQC PID board	Assy DIN rail TQC PID board	951423	
13	netfilter Schaffner 1Amp	Netfilter Schaffner 1 Amp	906645-001	
14	netfilter Schaffner 3A	Netfilter Schaffner 3A	906645-002	
15	Heater DBK 300W	Chauffage DBK 300W	909214-001	
16	PCB/TQC006/SIO/Slave IO board	PCB/TQC006/SIO/Slave IO board	942687	
17	PCB/TQC005L0/PSU	PCB/TQC005L0/PSU	942696	
18	TQC Transformer 25V 160VA	TQC Transformer 25V 160VA	943725	
19	TQC Sticker seal	TQC Sticker seal	944076	
	TQC Sticker seal "Bladel"	TQC Sticker seal "Bladel"	944076-001	
	TQC Sticker seal"Grentheville"	TQC Sticker seal"Grentheville"	944076-002	
	TQC Sticker seal"Dundee"	TQC Sticker seal"Dundee"	944076-003	
20	TQC Cable clip bracket	TQC Cable clip bracket	944580	
21	Switch Ethernet 10/100 5 Ports	Switch Ethernet 10/100 5 Ports	946590-001	
22	TQC Battery Bracket	TQC Battery Bracket	950534	

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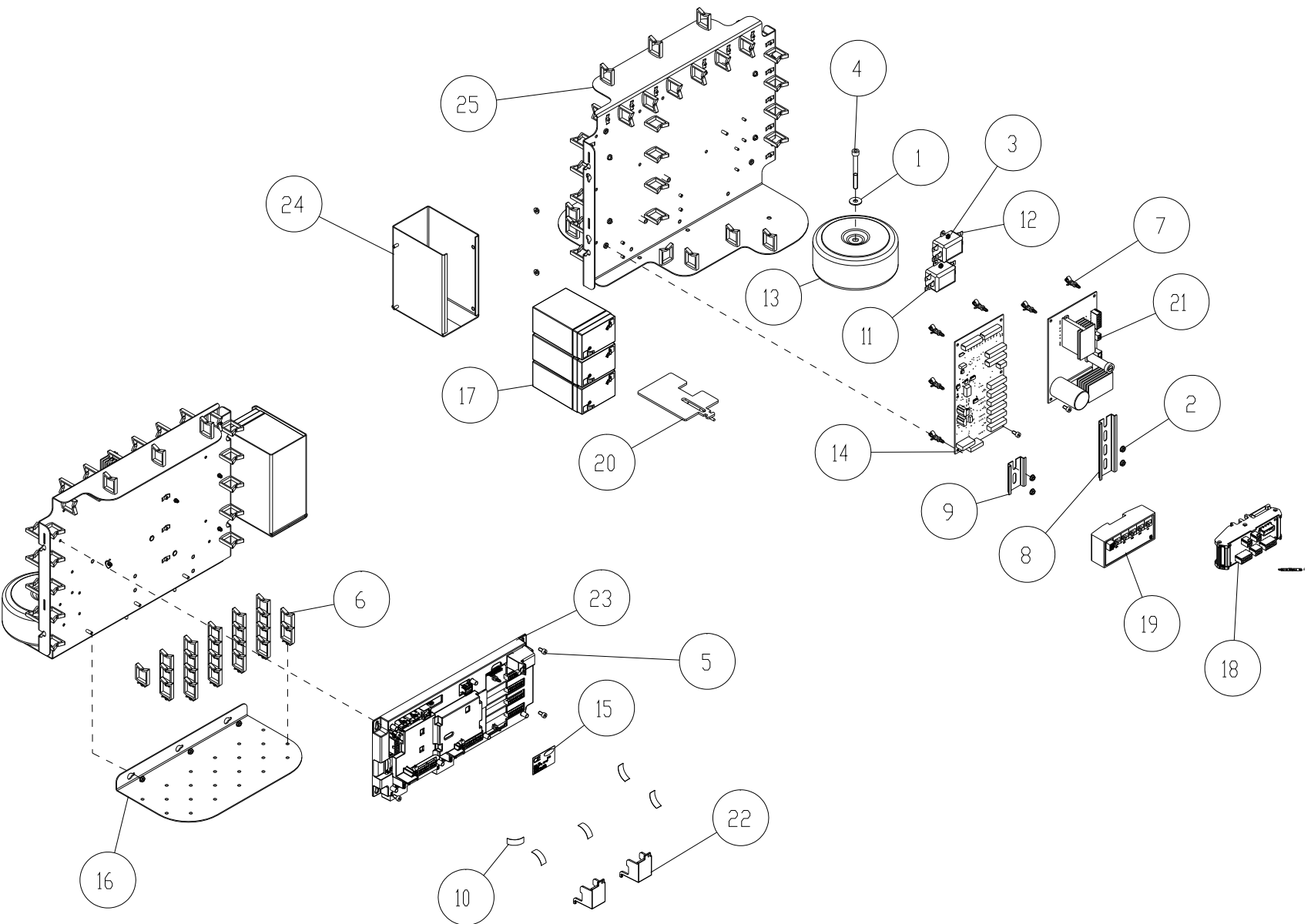




5.2.4 TQC-EST CENTRE PLATE ASSEMBLY (CONT.)

Item No	Description	Désignation Français	Part No	Comments
23	Sealing Cap pulser TQC-EST	Sealing Cap pulser TQC-EST	950739	
24	TQC Centerplate Assy	TQC Centerplate Assy	951222	
25	TQC-EST Sealing Cover assy	TQC-EST Sealing Cover assy	950918	Standard
	Assy TQC Cover + EST and APB	Assy TQC Cover + EST and APB	951454	EST
	Assy TQC Cvr + EST + APB + SW	Assy TQC Cvr + EST + APB + SW	955517	EST With Software



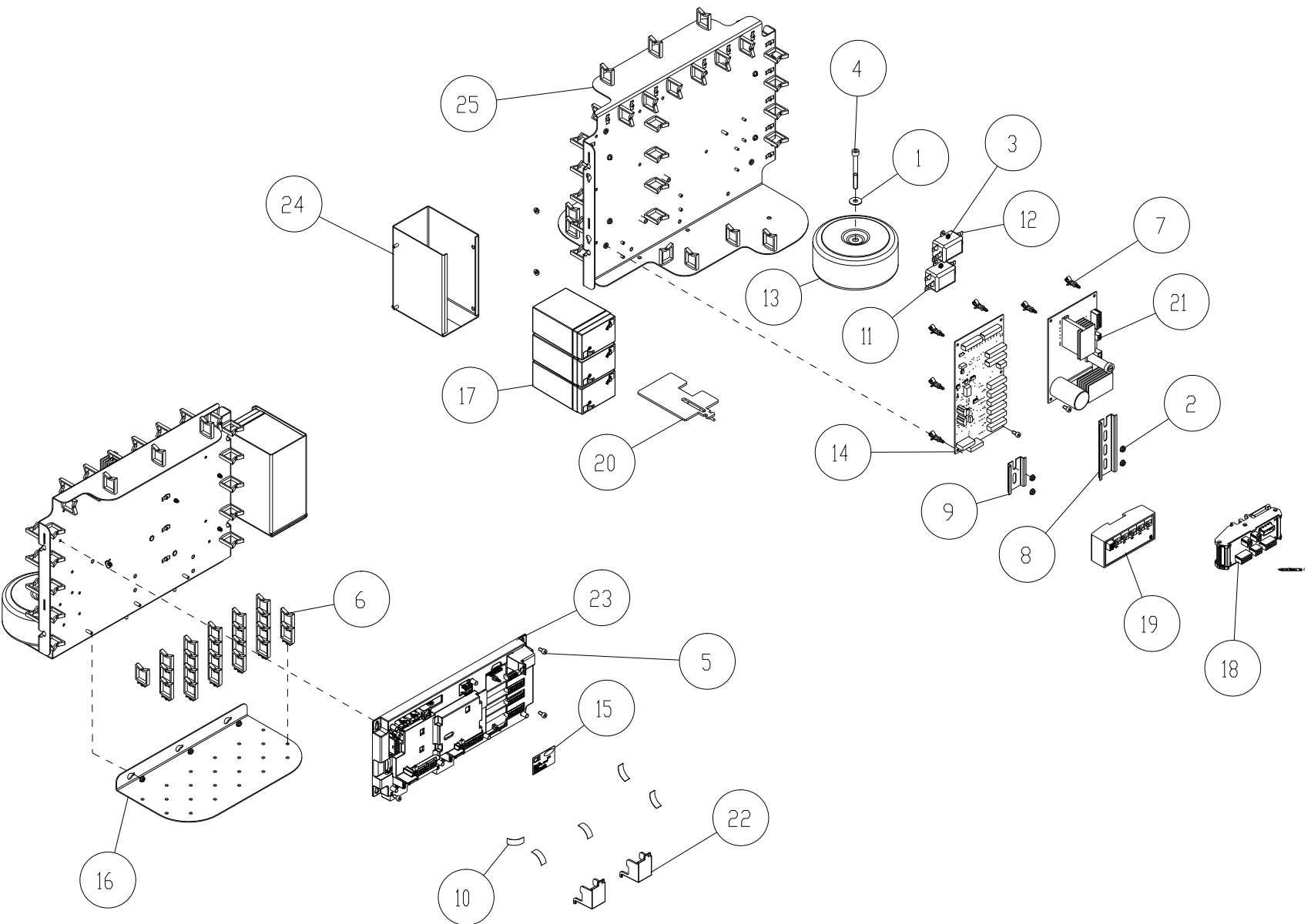


5.2.5 TQC-EST VGA CENTRE PLATE ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Washer PL L6	Rondelle PL L6	900008-022	
2	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4 x	900013-001	
3	Nut Hex Self Lock M3	Ecrou Et Rondelle Eventail M3	900013-006	
4	Screw HSHC M6x60	VIS CHC M6 x 60	900017-001	
5	Screw HSHC M4x8	Vis CHC M4 x 8	900017-008	
6	Wire clip dim. 21.6 19.6	Fixation cable dim 21.6 19.6	900058-001	
7	Lock. circuitboard sup. 9.5 mm	Tabl circ verrouil sup. 9.5 mm	900456-001	
8	Rail TS 35 I=100	Rail de bornier TS I=100	901432-005	
9	Rail TS 35 I=50	Rail de bornier TS I=50	901432-014	
10	TQC Pulser Sticker Dundee	TQC étiquette D/dee	901689-235	
	TQC Pulser Sticker Grenthevill	TQC étiquette Grentheville	901689-236	
	TQC Pulser Sticker Bladel	TQC étiquette Bladel	901689-237	
	TQC Pulser Sticker SSD	TQC étiquette SSD	901689-238	
11	Netfilter Schaffner 1Amp	Netfilter Schaffner 1 Amp	906645-001	
12	Netfilter Schaffner 3A	Netfilter Schaffner 3A	906645-002	
13	TQC-VGA Transformer 25V 225VA	TQC-VGA Transformer 25V 225VA	942357	
14	PCB/TQC006/SIO/Slave IO board	PCB/TQC006/SIO/Slave IO board	942687	
15	TQC Sticker seal	TQC Sticker seal	944076	
	TQC Sticker seal "Bladel"	TQC Sticker seal "Bladel"	944076-001	
	TQC Sticker seal"Grentheville"	TQC Sticker seal"Grentheville"	944076-002	
	TQC Sticker seal"Dundee"	TQC Sticker seal"Dundee"	944076-003	
16	TQC Cable clip bracket	TQC Cable clip bracket	944580	
17	Battery lead acid 6V 4 Ah	Battery lead acid 6V 4 Ah	944788	
18	PCB/TQC021L0/PID Power IO Dist	PCB/TQC021L0/PID Power IO Dist	946424	
19	Switch Ethernet 10/100 5 Ports	Switch Ethernet 10/100 5 Ports	946590-001	
20	NTC Battery plate TQC	NTC Battery plate TQC	947191	
21	PCB/TQC005L3/PSU-VGA	PCB/TQC005L3/PSU-VGA	947463	
22	Sealing Cap pulser TQC-ST	Sealing Cap pulser TQC-ST	950739	

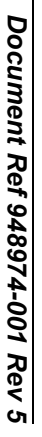
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5.2.5 TQC-EST VGA CENTRE PLATE ASSEMBLY (CONT.)

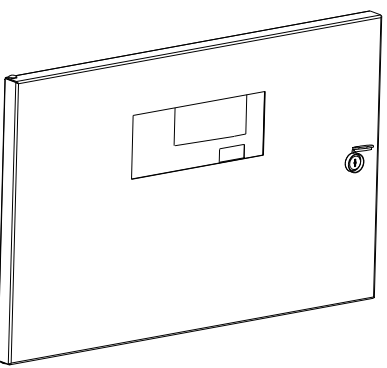
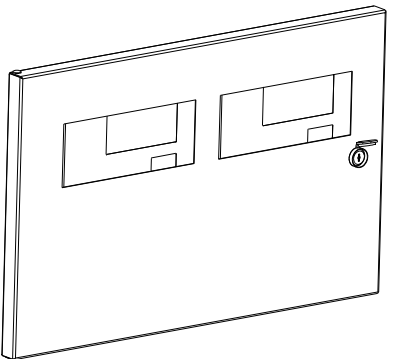
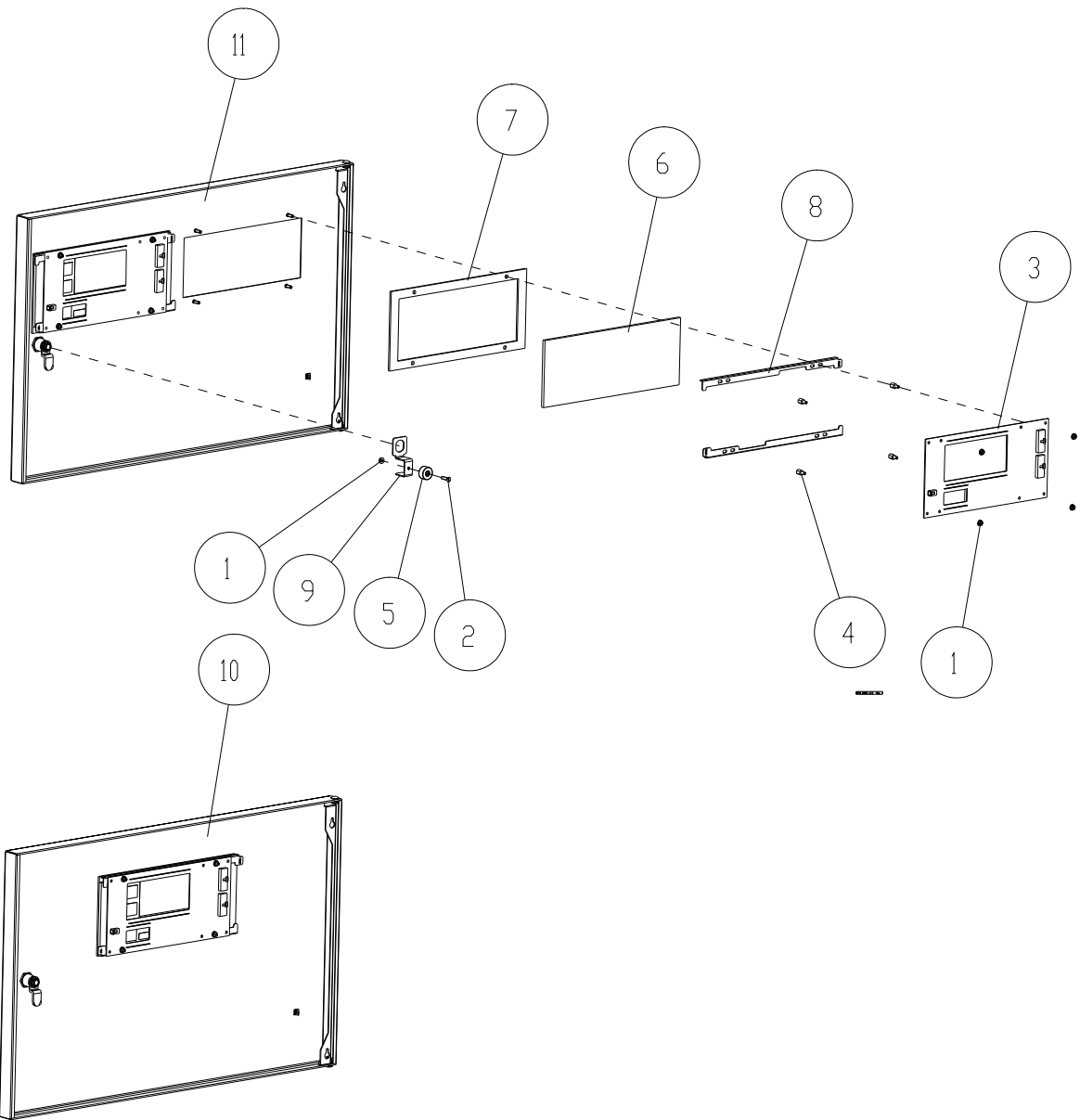
Item No	Description	Désignation Français	Part No	Comments
23	TQC-EST Sealing Cover assy	TQC-EST Sealing Cover assy	950918	Standard
	Assy TQC Cover + EST and APB	Assy TQC Cover + EST and APB	951454	EST
	Assy TQC Cvr + EST + APB + SW	Assy TQC Cvr + EST + APB + SW	955517	EST With Software
24	TQC VGA Battery Bracket Assy	TQC VGA Battery Bracket Assy	950929	
25	TQC Centerplate Assy	TQC Centerplate Assy	951222	



5.3 Calculator Door Assemblies

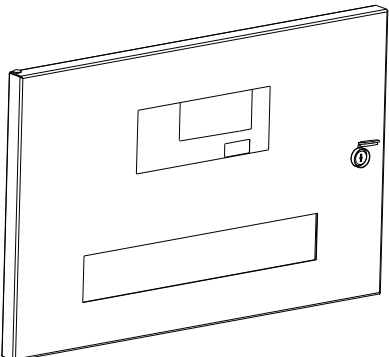
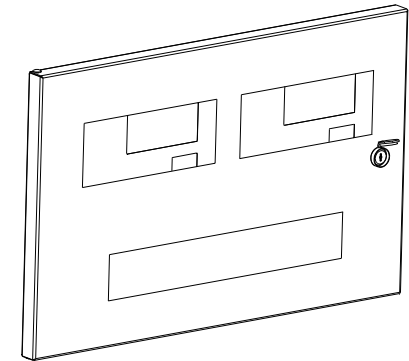
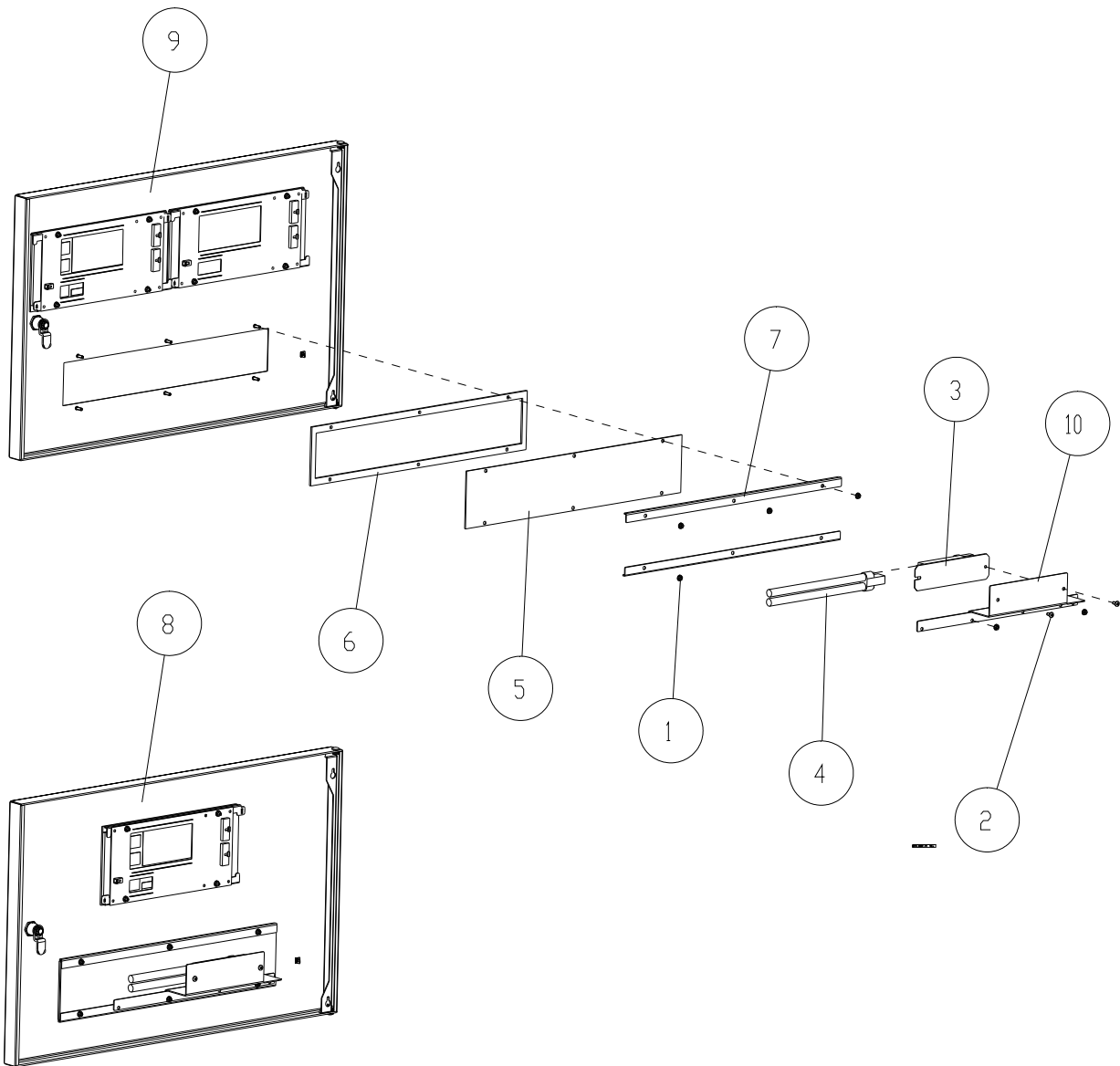
5.3.1 BLANK DOOR

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Prev Torque M4	Ecrou Frein M4	900012-004	
2	Lock Assy	Serrure Asm	-	Refer to Lock Assembly
3	Snap Bush Ø6	Coussinet Ø6	942604	
4	Cover Skiffy Ø12	Capuchon Skiffy Ø12	943091	
5	Q210 Hinge Inner Assy	Q210 Charniere Asm	947128	Q210
	Q110 Hinge Inner Assy	Q110 Charniere Asm	947340	Q110
6	Door Calc Blind Alu	Porte Calc Aveugles Alu	951475	Q210, Aluminium
	Q210 Calculator Head Door Blind SSt	Calc. Portillon Aveugle Inox	947549	Q210, Stainless Steel
	Q210 Calculator Head Door Blind ACP	Calc. Portillon Aveugle ACP	947344	Q210, Additional Corrosion Protection
	Door Calc Blind Alu	Porte Calc Aveugles Alu	951390	Q110, Aluminium
	Q110 Calculator Head Door Blind SSt	Calc. Portillon Aveugle Inox	947546	Q110 Stainless Steel
	Q110 Calculator Head Door Blind ACP	Calc. Portillon Aveugle ACP	947342	Q110, Additional Corrosion Protection
7	Hub - Hinge M4	Axe à Sertir M4	947659	



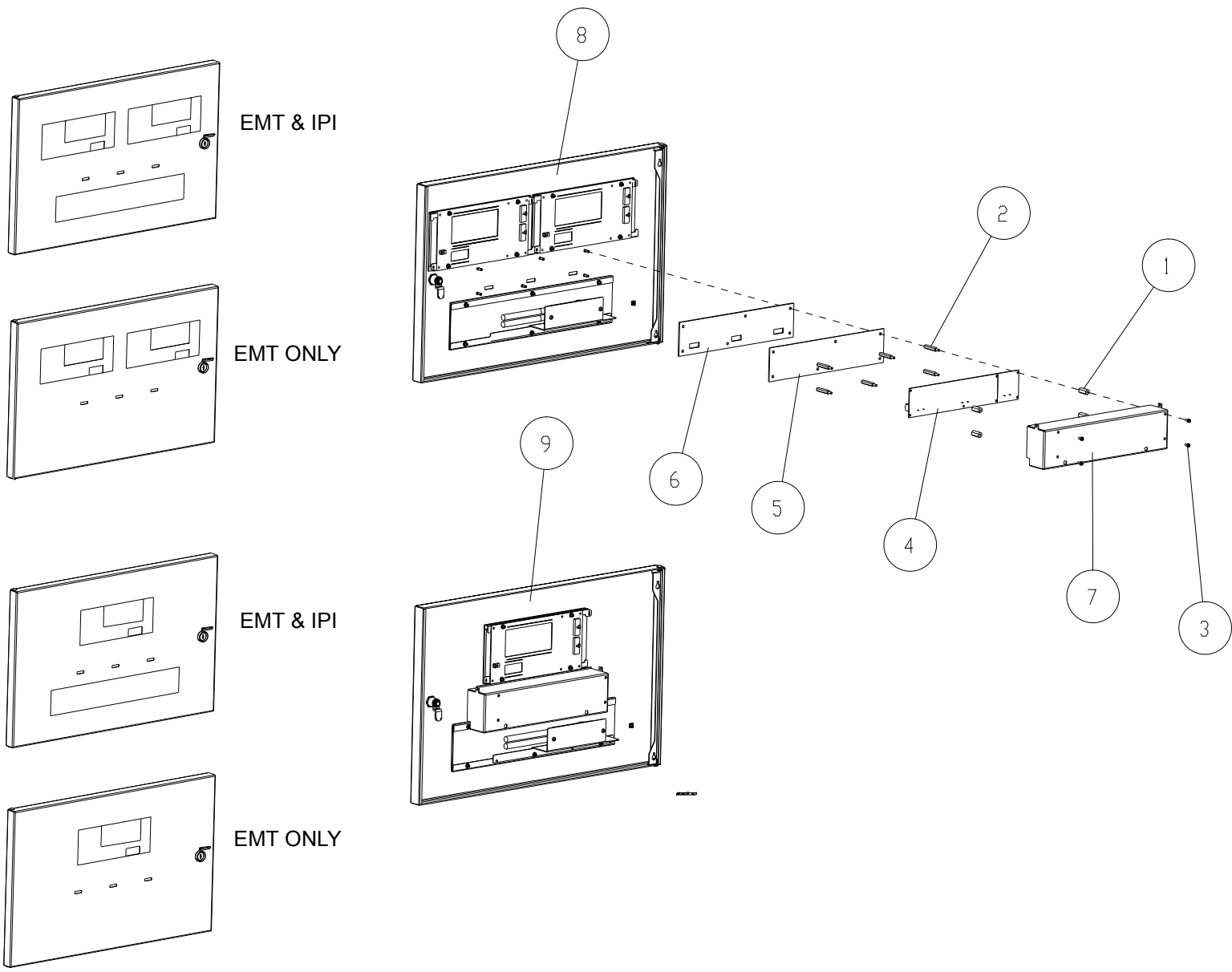
5.3.2 STANDARD DOOR WITH LCD DISPLAY & PROGRAMMING SWITCH MAGNET

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Screw SCS M4x16	Vis FS M4x16	900014-007	
3	Customer Sales Display	Afficheur Prix de Vente LCD	904788	Without BackLight
	Customer Sales Display	Afficheur Prix de Vente LCD	909692	On-Board Backlight
	Customer Sales Display	Afficheur Prix de Vente LCD	941828	German Non-MID Sealing Option
4	Spacer Thr Hex MF M4x8x8x8	Entretoise Hex MF M4x8x8x8	900711-033	
5	Magnet 20x4.4x10	Aimant 20x4.4x10	900757-001	
6	Plexiglass LCD Screen Printing Block	Plexiglass LCD Sérigraphiée Noire	940618	
7	Seal WWC Display	Joint écran WWC	944122	
8	LCD Glass Bracket	Support Glace LCD	945905	
9	110/210 Hyd. Fraud Bracket Asm	110/210 Hyd. Fraude Support Asm	949218	
10	Q210 Calc. Head Door x 1 Display	Calc. Portillon x 1 Affichage	947505	Q210
	Q210 Calc. Head Door x 1 Display ACP	Calc. Portillon x 1 Affichage ACP	947507	Q210, Additional Corrosion Protection
	Q210 Calc. Head Door x 1 Display SSt	Calc. Portillon x 1 Affichage Inox	947509	Q210, Stainless Steel
	Q110 Calc. Head Door x 1 Display	Calc. Portillon x 1 Affichage	947538	Q110
	Q110 Calc. Head Door x 1 Display ACP	Calc. Portillon x 1 Affichage ACP	947346	Q110, Additional Corrosion Protection
	Q110 Calc. Head Door x 1 Display SSt	Calc. Portillon x 1 Affichage Inox	947540	Q110, Stainless Steel
11	Q210 Calc. Head Door x 2 Display	Calc. Portillon x 2 Affichage	947559	Q210 only
	Q210 Calc. Head Door x 2 Display ACP	Calc. Portillon x 2 Affichage ACP	947554	Q210 only, Addit. Corrosion Protect.
	Q210 Calc. Head Door x 2 Display SSt	Calc. Portillon x 2 Affichage Inox	947556	Q210 only, Stainless Steel



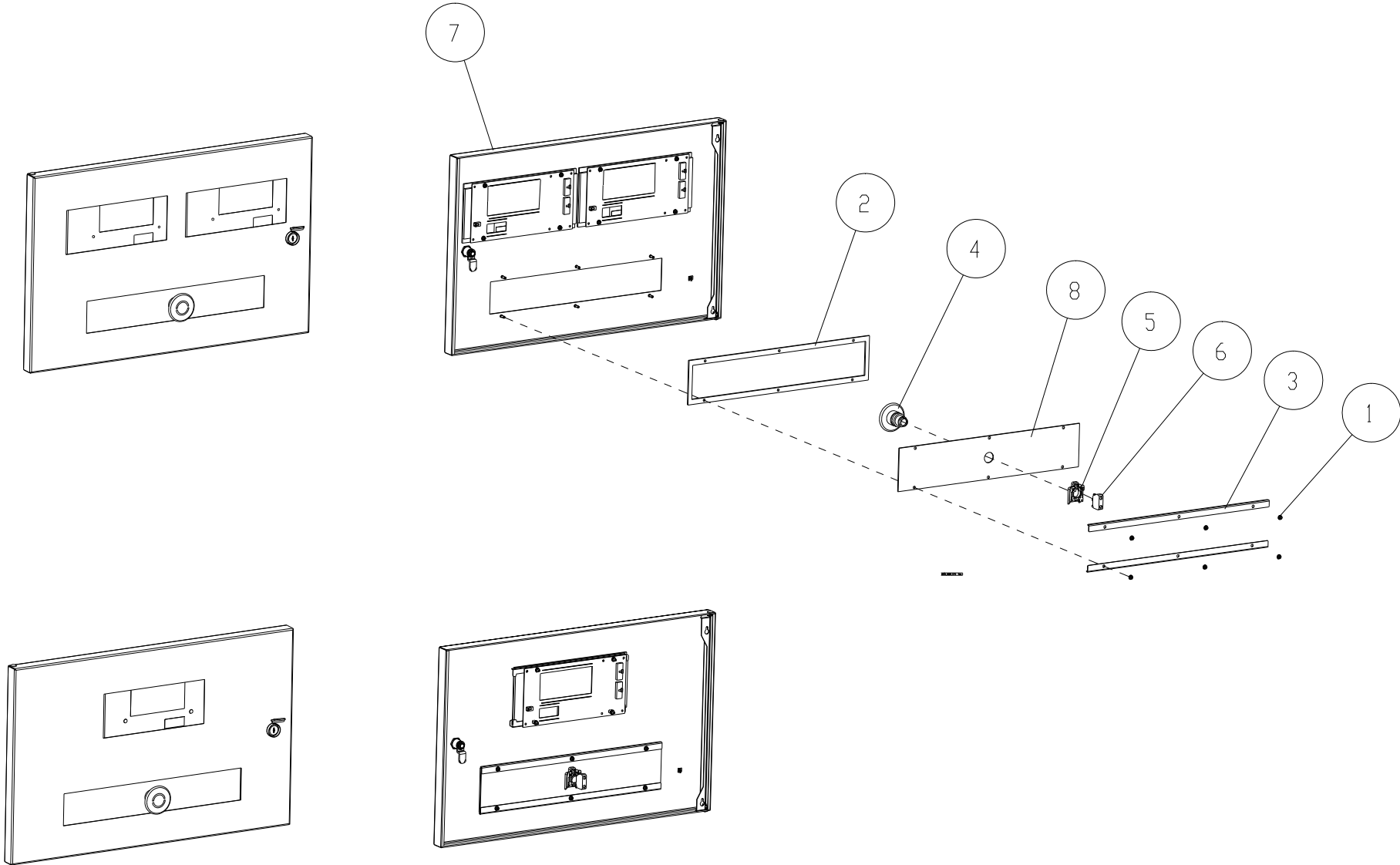
5.3.3 STANDARD DOOR WITH ILLUMINATED PRODUCT INDICATION

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Screw CRRCH M4x8	Vis CBLZ M4x8	900052-009	
3	Ballast Socket Integrated	Ballast Douille Intégré	900738	
4	Lamp Fluorescent ORYX 11W	Tube Flou ORYX 11W	900739	
	Lamp Fluorescent ORYX 7W	Tube fluo ORYX 7W	900740	
5	Plexi - Lighted Product Indication	Plexi Rappel Produit Brut	901071	
	Plexi for LCD I.P.I.	Plexi pour Rappel Produit LCD	905033	
6	Seal IPI Display Q200T	Joint Ecran IPI Q200T	944123	Q210
	Seal WWC Display Q100	Joint Ecran Bas WWC Q100	944126	Q110
7	Bracket Illuminated Prod Indication	Support Rappel Produit Brut	944864	Q210
	I.P.I. Bracket Q100T	IPI Support Rappel Produit Brut	946128	Q110
8	Q210 Calc. Door x1 Display + IPI	Calc.Portillon x1 Affichage + IPI	947514	Q210
	Q210 Calc. Door x1 Display + IPI ACP	Calc.Portillon x1 Affichage + IPI ACP	947515	Q210, Additional Corrosion Protection
	Q210 Calc. Door x1 Display + IPI SSt	Calc.Portillon x1 Affichage + IPI Inox	947516	Q210, Stainless Steel
	Q110 Calc. Door x1 Display + IPI	Calc.Portillon x1 Affichage + IPI	947647	Q110
	Q110 Calc. Door x1 Display + IPI ACP	Calc.Portillon x1 Affichage + IPI ACP	947649	Q110, Additional Corrosion Protection
	Q110 Calc. Door x1 Display + IPI SSt	Calc.Portillon x1 Affichage + IPI Inox	947651	Q110, Stainless Steel
9	Q210 Calc. Door x2 Display + IPI	Calc.Portillon x2 Affichage + IPI	947569	Q210 only
	Q210 Calc. Door x2 Display + IPI ACP	Calc.Portillon x2 Affichage + IPI ACP	947565	Q210 only
	Q210 Calc. Door x2 Display + IPI SSt	Calc.Portillon x2 Affichage + IPI Inox	947567	Q210 only
10	Light Bracket IPI	-	948705	



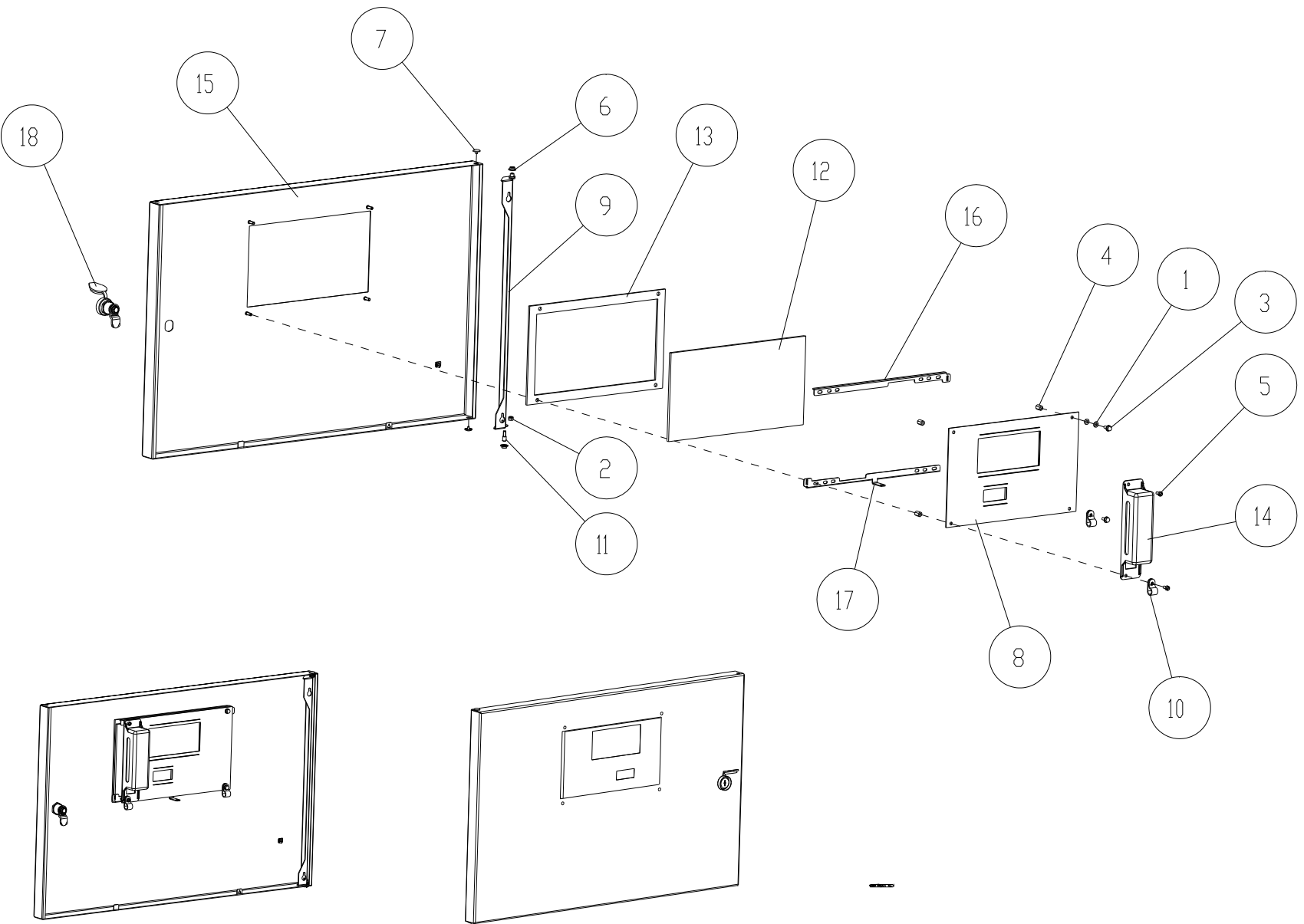
5.3.4 STANDARD DOOR WITH ELECTROMECHANICAL TOTALISERS

Item No	Description	Désignation Français	Part No	Comments
1	Spacer Thr Hex FF M4x22x11	Entretoise Hex FF M4x22x11	900711-014	
2	Spacer Thr Hex MF M4x35x10x10	Entretoise Hex MF M4x35x10x10	900711-031	
3	M4x8 Sealing Screw 5-8 St Zn	M4x8 Scellant VIS 5-8 St Zn	901551-001	
4	PCB Assy/OPU/1 PR Left EMT	PCB Asm/OPU/1 PR G EMT	906897-001	1 Product Left EMT Only
	PCB Assy/OPU/1 PR Right EMT	PCB Asm/OPU/1 PR D EMT	906897-002	1 Product Right EMT Only
	PCB Assy/OPU/2 PR Left EMT	PCB Asm/OPU/2 PR G EMT	906897-003	2 Product Left EMT Only
	PCB Assy/OPU/2 PR Right EMT	PCB Asm/OPU/2 PR D EMT	906897-004	2 Product Right EMT Only
5	Plexi - EMT	Plexi - EMT	945910	
6	Seal EMT 3 Pos.	Seal EMT 3 Pos.	945919	
7	EMT Sealing Cover	EMT Sealing Cover	946150	
8	Calc. Door x2 Display EMT & IPI	Port. Calc. x2 Affichage EMT & IPI	947517	Additional Corrosion Protection Stainless Steel EMT only EMT only
	Calc. Door x2 Display EMT & IPI ACP	Port. Calc. x2 Affichage EMT & IPI ACP	947133	
	Calc. Door x2 Display EMT & IPI SSt	Port. Calc. x2 Affichage EMT & IPI SSt	947519	
	Calc. Door x2 Display EMT ACP	Port. Calc. x2 Affichage EMT ACP	949849	
	Calc. Door x2 Display EMT BA	Port. Calc. x2 Affichage EMT BA	949852	
9	Calc. Door x1 Display EMT & IPI	Port. Calc. x1 Affichage EMT & IPI	947563	Additional Corrosion Protection Stainless Steel EMT only EMT only
	Calc. Door x1 Display EMT & IPI ACP	Port. Calc. x1 Affichage EMT & IPI ACP	947518	
	Calc. Door x1 Display EMT & IPI SSt	Port. Calc. x1 Affichage EMT & IPI SSt	947561	
	Calc. Door x 1 Display EMT ACP	Port. Calc. x1 Affichage EMT ACP	949847	
	Calc. Door x 1 Display EMT BA	Port. Calc. x1 Affichage EMT BA	949855	



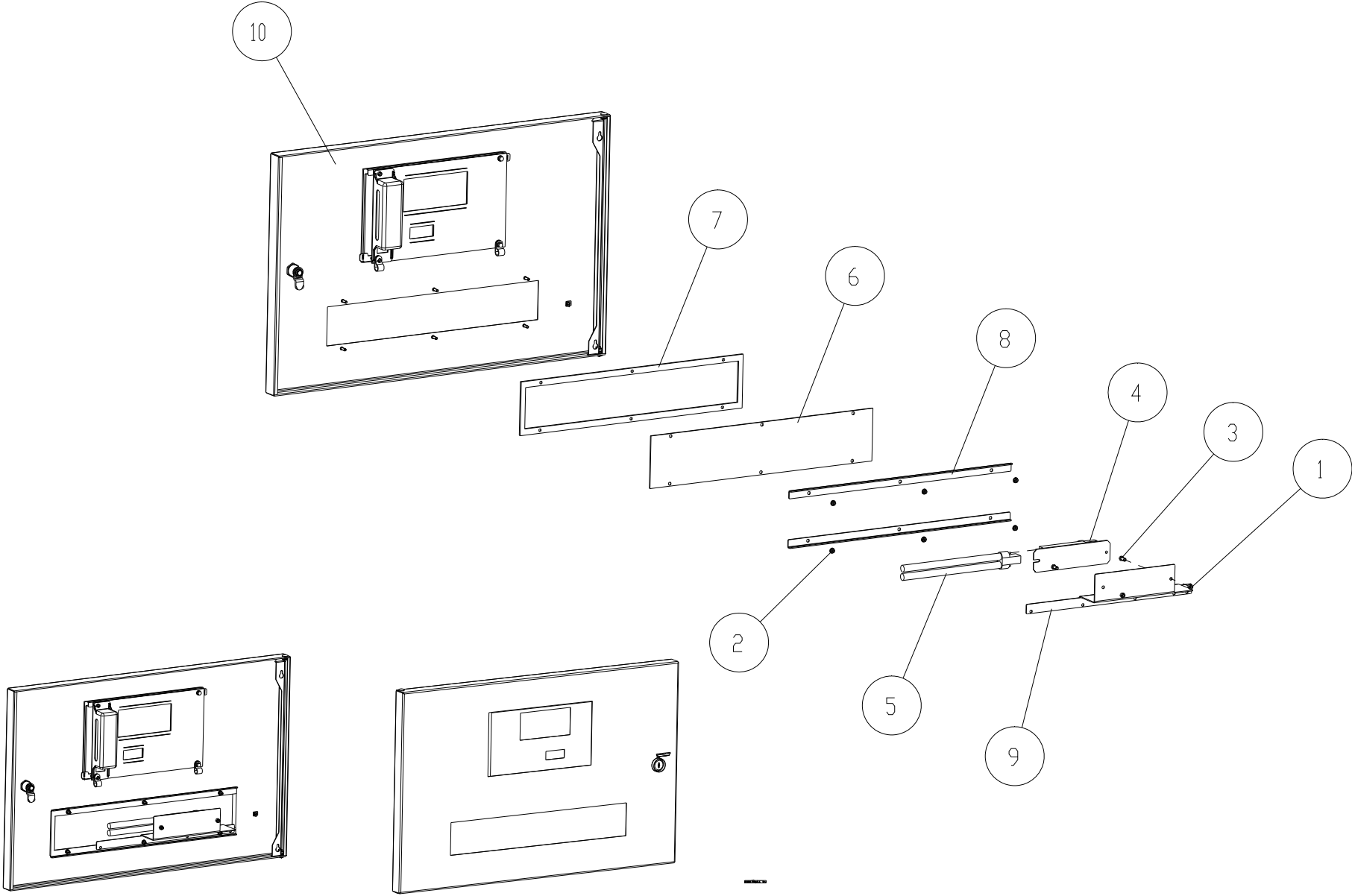
5.3.5 STANDARD DOOR WITH EMERGENCY PUSH BUTTON

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Seal IPI Display Q210	Joint écran IPI Q210	944123	Q210
	Seal IPI Display Q110	Joint écran IPI Q110	944126	Q110
3	Bracket IPI Q210	Support Rappel Produit Brut Q210	944864	Q210
	Bracket IPI Q110	Support Rappel Produit Brut Q110	946128	Q110
4	PB Red turn to Reset	Bouton d'urgence Rouge	945761-004	
5	Base	Embase	945762-001	
6	Switch ZBE 102	Contact ZBE 102	946267-002	
7	Calculator Head Door	Portillon de Calculateur	-	Refer to Calc. Head Door Assemblies
	Door Calc 3PB Q210 Asm ACP	Porte Calc 3PB Q210 Asm ACP	957387	
	Door Calc 3PB Q210 Asm Sst	Porte Calc 3PB Q210 Asm Sst	957389	
8	Emergency Push Button Holder Q210	Bouton Poussoir Urgence Support Q210	949295	Q210
	Emergency Push Button Holder Q110	Bouton Poussoir Urgence Support Q110	949296	Q110



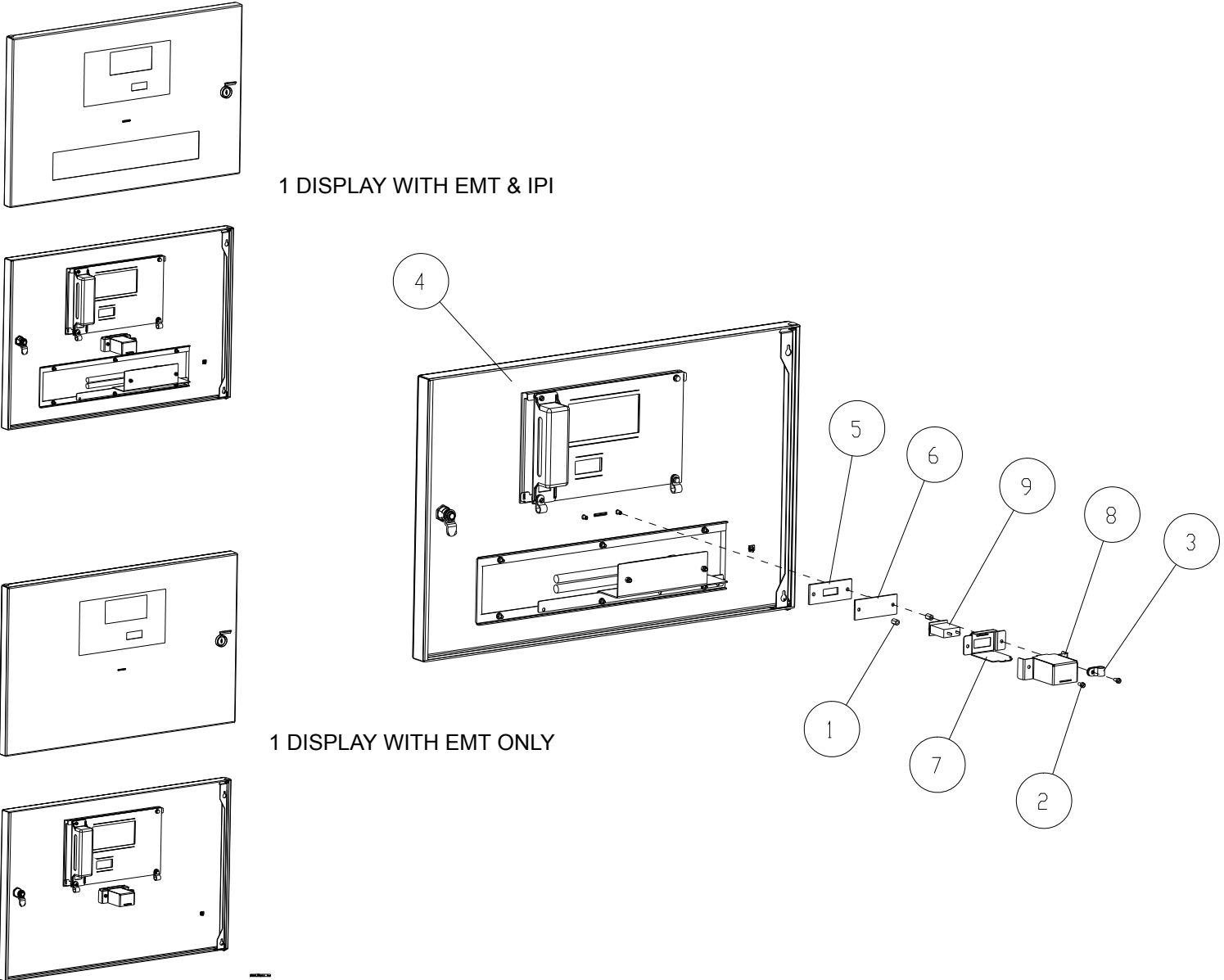
5.3.6 TQC-IPD DOOR

Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M4	Rondelle PI M4	900008-009	
2	Nut Hex Prev Torque M4	Ecrou Frein M4	900012-004	
3	Screw HFHTF M4x10	Vis Hex. Taraudeuse M4x10	900708-002	
4	Spacer Thr Hex FF M4x10	Entretoise Hex FF M4x10	900711-015	
5	M4x8 Sealing Screw 5-8 St Zn	M4x8 Scellant VIS 5-8 St Zn	901551-001	
6	Snap Bush Ø6	Coussinet Ø6	942604	
7	Cover Skiffy Ø12	Capuchon Skiffy Ø12	943091	
8	Display - TQC-IPD Calculator	Affichage - Calc de TQC-IPD	946747	
9	Hinge Inner Assy	Chamiere Asm	947128	
10	P Clip Plastic	P Clip Plastic	947476-003	
11	Hub - Hinge M4	Axe à Sertir M4	947659	
12	Glass - Calc TQC-IPD	Verre - Calc TQC-IPD	947742	
13	Seal - TQC-IPD Display	Joint - Affichage TQC-IPD	947743	
14	Sealing Cover - IPD Calc PCB	JOINT - CARTE DE CALCULAT...	947779	
15	Q210 TQC-IPD Door (ACP)	Q210 Asm Porte TQC-IPD (ACP)	950186	Q210 only
	Q210 TQC-IPD Door (BA)	Q210 Asm Porte TQC-IPD (BA)	950184	Q210 only
	Q110 TQC-IPD Door (ACP)	Q110 Asm Porte TQC-IPD (ACP)	948604	Q110 only
	Q110 TQC-IPD Door (BA)	Q110 Asm Porte TQC-IPD (BA)	948602	Q110 only
	Door calc asm x 2 disp_TQC_IPD	Porte calc asm x 2 disp_TQC_IP	952584	Q210 only
16	Glass-clamp x2 Display Top	Verre-Clam TQC-IPD X 2 Display	952855	
17	Glassclamp x2 Display Bottom	Verre-Clam TQC-IPD X 2 Display	953344	
18	Lock Assembly	Serrure Porte Asm	-	Refer to Lock Assembly



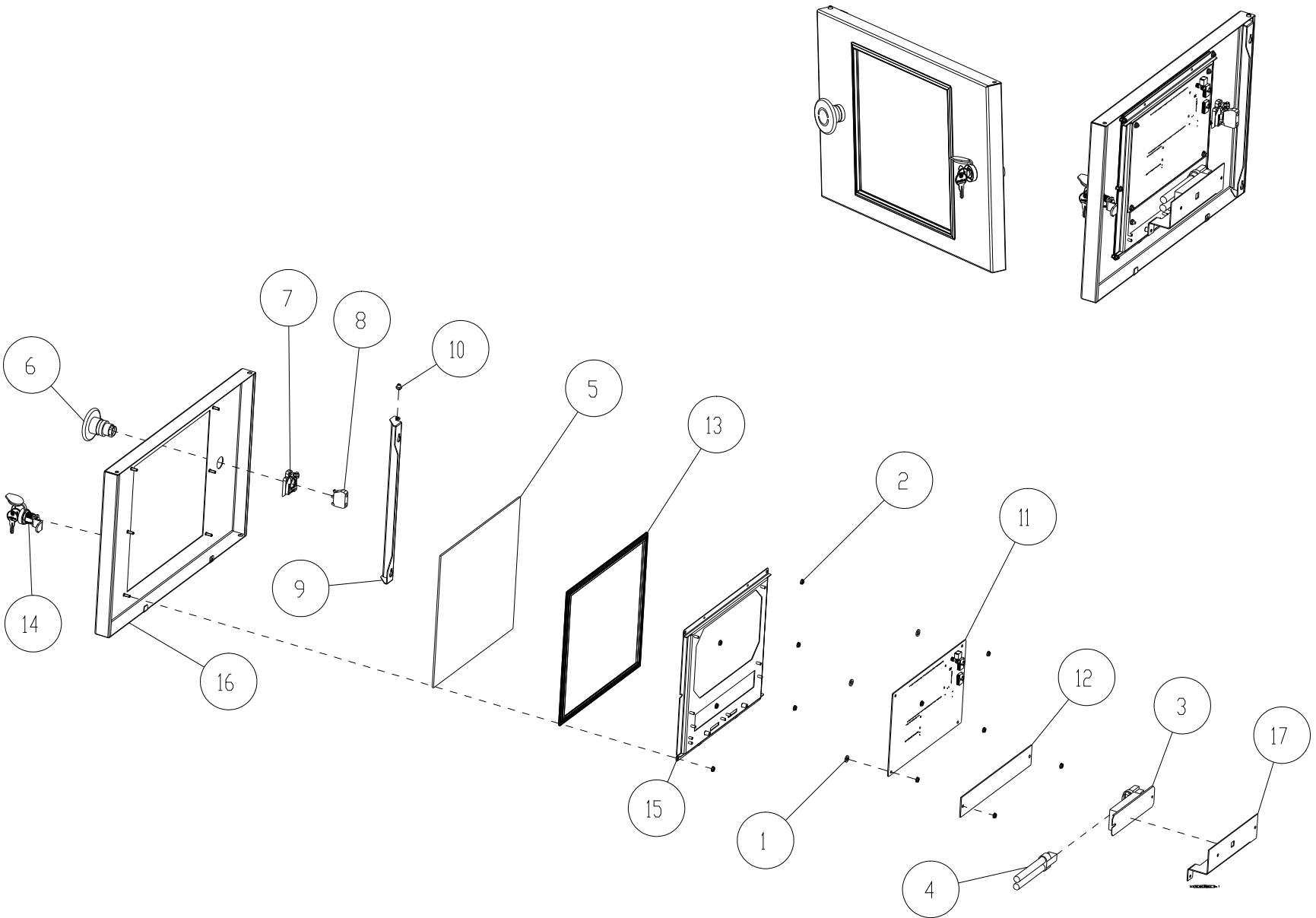
5.3.7 TQC-IPD DOOR WITH ILLUMINATED PRODUCT INDICATION

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Prev Torque M4	Ecrou Frein M4	900012-009	
2	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
3	Screw HH M4x10	Vis H M4x10	900015-001	
4	Ballast Socket Integrated	Ballast Douille Intégré	900738	
5	Lamp Fluorescent ORYX 11W	Tube Fluo ORYX 11W	900739	Q210 only
	Lamp Fluorescent ORYX 7W	Tube Fluo ORYX 7W	900740	Q110 only
6	Plexi - Lighted Product Indication Q210	Plexi Rappel Produit Brut	901071	Q210 only
	Plexi - Lighted Product Indication Q110	Plexi Rappel Produit Brut	905033	Q110 only
7	Seal IPI Display Q200T	Joint Ecran IPI Q200T	944123	Q210 only
	Seal WWC Display Q100	Joint Ecran Bas WWC Q100	944126	Q110 only
8	Bracket Illuminated Product Indication	Support Rappel Produit Brut	944864	Q210 only
	Bracket Illuminated Product Indication	Support Rappel Produit Brut	946128	Q110 only
9	Bracket IPI Light	Bracket IPI Light	948705	
10	Q210 TQC-IPD + IPI Door (BA)	Q210 Porte TQC-IPD + IPI (BA)	948830	Q210 only
	Q210 TQC-IPD + IPI Door (ACP)	Q210 Porte TQC-IPD + IPI (ACP)	948828	Q210 only
	Q110 TQC-IPD + IPI Door (BA)	Q110 Porte TQC-IPD + IPI (BA)	948826	Q110 only
	Q110 TQC-IPD + IPI Door (ACP)	Q110 Porte TQC-IPD + IPI (ACP)	948824	Q110 only
	Door Assy TQC-IPD + IPI (BA)	Porte AsmTQC -IPD + IPI (BA)	952944	Q210 only



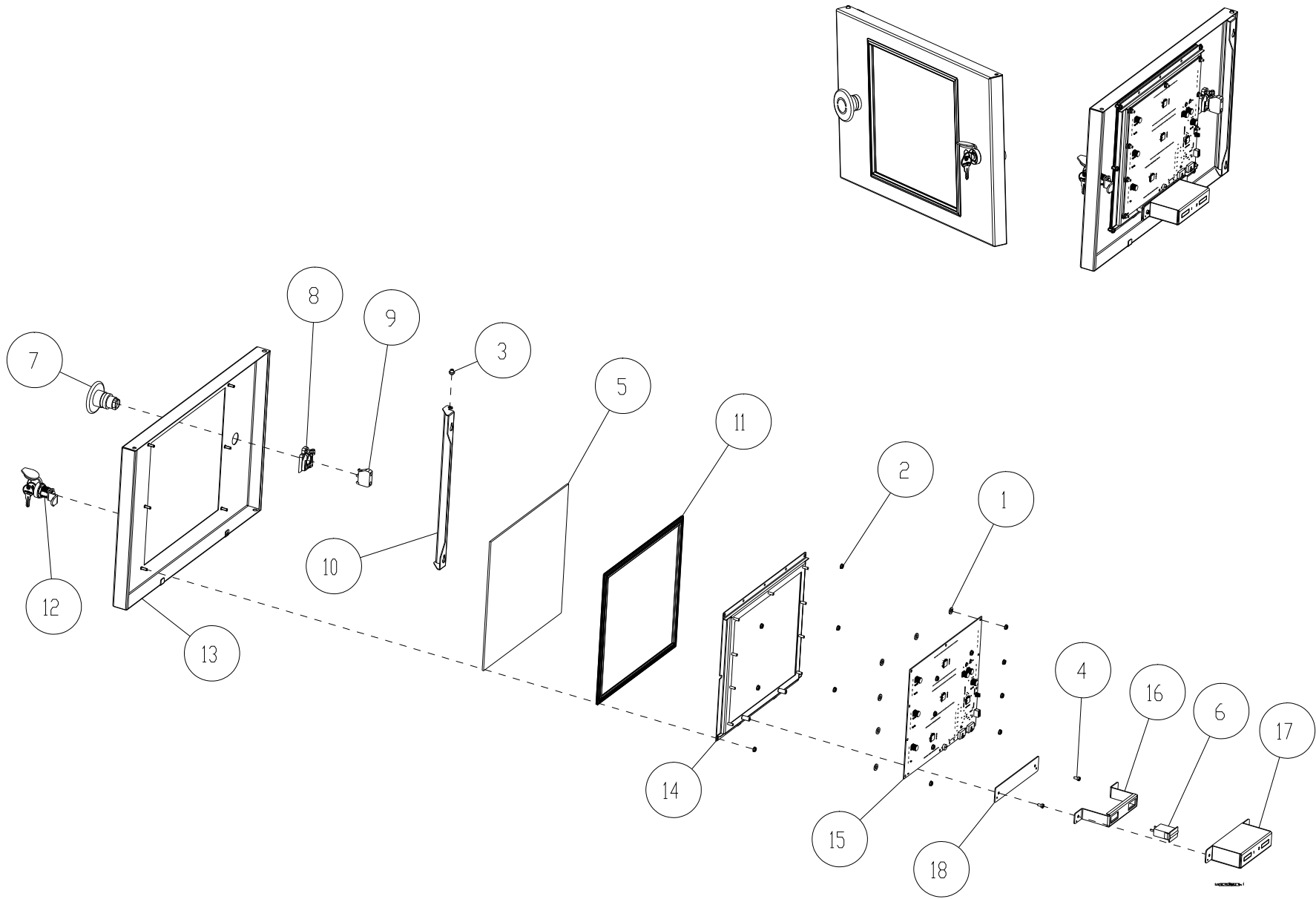
5.3.8 TQC-IPD DOOR WITH ELECTROMECHANICAL TOTALISERS

Item No	Description	Désignation Français	Part No	Comments
1	Spacer Thr Hex FF M4x10	Entretoise Hex FF M4x10	900711-015	
2	M4x8 Sealing Screw 5-8 St Zn	M4x8 Scellant VIS 5-8 St Zn	901551-001	
3	P Clip Plastic	P Clip Plastic	947476-003	
4	Q210 Calc Door 1 Display EMT & IPI ACP	Calc. Portillon 1 Affichage EMT & IPI ACP	950190	Q210 EMT & IPI
	Q210 Calc Door 1 Display EMT & IPI BA	Calc. Portillon 1 Affichage EMT & IPI BA	950192	Q210 EMT & IPI
	Q210 Calc Door 1 Display EMT ACP	Calc. Portillon 1 Affichage EMT ACP	948835	Q210 EMT only
	Q210 Calc Door 1 Display EMT BA	Calc. Portillon 1 Affichage EMT BA	948837	Q210 EMT only
	Q110 Calc Door 1 Display EMT ACP	Calc. Portillon 1 Affichage EMT ACP	949194	Q110 EMT only
	Q110 Calc Door 1 Display EMT BA	Calc. Portillon 1 Affichage EMT BA	949196	Q110 EMT only
5	Seal - EM Tote TQC-IPD	Joint - EM Tote TQC-IPD	950270	
6	Plexi - EM Tote TQC-IPD	Plexi - EM Tote TQC-IPD	950441	
7	Mount EMT - TQC-IPD Lower	Bracket EMT - TQC-IPD Lower	950442	
8	Bracket EMT - TQC-IPD Upper	Mount EMT - TQC-IPD Upper	950443	
9	Electro-mechanical Totalizer	Totalisateur Electro-mechaniqu.	970001	



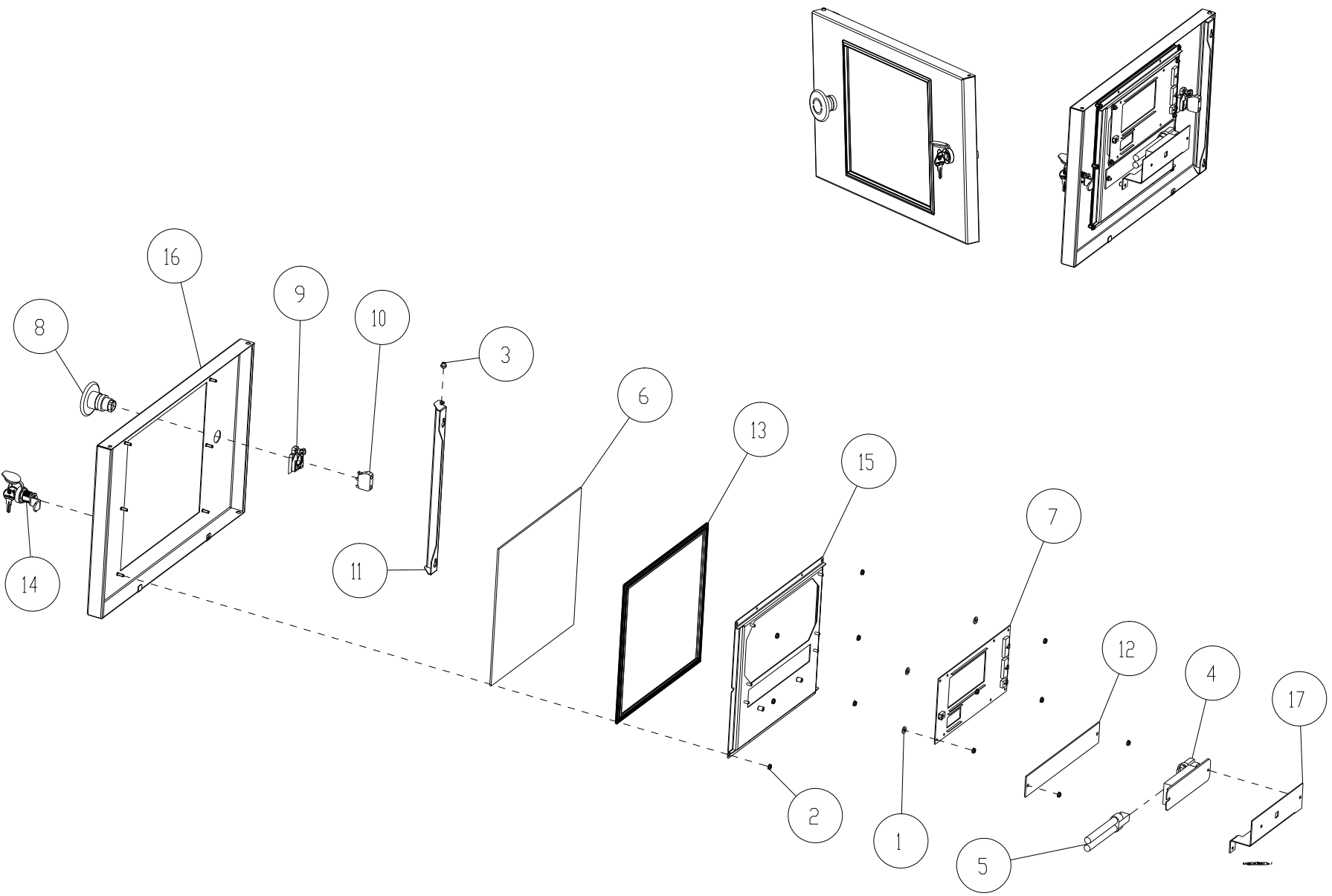
5.3.9 Q110 TQC 664 NON-RECESS CALCULATOR DOOR ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Washer PL M6	rondelle_plate M6 x12	900008-002	
2	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4 x	900013-001	
3	Ballast socket integrated	Ballaste douille intégré	900738	
4	Lamp - Fluorescent ORYX. 7W	Tube fluo ORYX 7 W	900740	
5	LCD Plexi Glass Q500T1	LCD Plexi Glace Q500T1	907508	
6	Push button ZB4 BS864	Bouton poussoir ZB4 BS864	945761-004	
7	Mount - switch	Embase	945762-001	
8	Switch ZBE 102	Contact ZBE 102	946267-002	
9	Hinge Inner Q110	Hinge Inner Q111	947339	
10	Shaft hinge D6x5-2mm (hole)	Axe à sertir	900659-002	
11	PCB/TQC027/TQC-CSD-PPU	PCB/TQC027/TQC-CSD-PPU	947944	
12	Plexi Glass 1 Display IPI	Plexi Glass 1 Display IPI	948364	
13	SEAL - CALC GLASS Q510	JOINT - PORTE CALC MOULE Q510	949979	
14	Lock Assembly	Lock Assembly	-	Refer to Lock Assembly
15	Plate 1 displayTQC assy	Plaque 1 displayTQC Asm	954610	
16	Q110LPG Non Recessed Door ACP Assy Door calc Std Q110 assy ACP	Q110LPG Non Recessed Door ACP Assy Porte calc Std Q110 asm ACP	955448 954600	
17	Brkt IPI Light	Brkt IPI Light	957465	



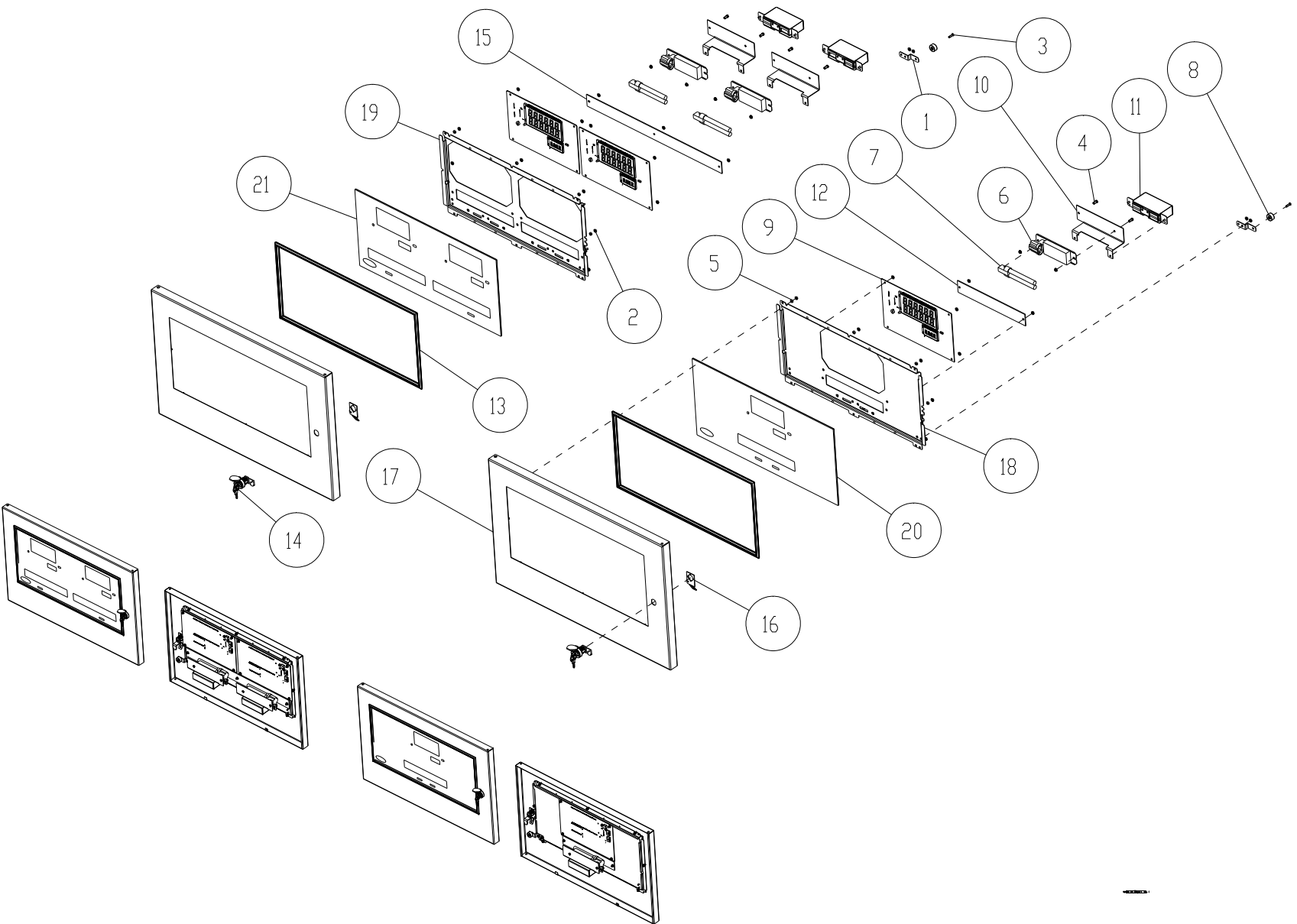
5.3.10 Q110 TQC 775 NON-RECESS CALCULATOR DOOR ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Washer PL M6	rondelle_plate M6 x12	900008-002	
2	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4 x	900013-001	
3	Shaft hinge D6x5-2mm (hole)	Axe à sertir	900659-002	
4	Screw Sealing M4x8 5-8 Stzn	M4x8 vis Scellant	901551-001	
5	LCD Plexi Glass Q500T1	LCD Plexi Glass Q500T1	907508	
6	EMT panel mount	TEM montage en encastrer	940424	
7	Push button ZB4 BS864	Bouton poussoir ZB4 BS864	945761-004	
8	Mount - switch	Embase	945762-001	
9	Switch ZBE 102	Contact ZBE 102	946267-002	
10	Hinge Inner Q110	Hinge Inner Q110	947339	
11	SEAL - CALC GLASS Q510	JOINT - PORTE CALC MOULE Q510	949979	
12	Lock Assembly	Lock Assembly	-	Refer to lock assembly
13	Q110LPG Non Recessed Door ACP Assy	Q110LPG Non Recessed Door ACP Assy	955448	
	Door calc Std Q110 assy ACP	Porte calc Std Q110 asm ACP	954600	
14	Dialplate TQC LCD 775 Disp Asm	Dialplate TQC LCD 775 Disp Asm	957376	
15	Dialplate TQC LCD 775 Disp Asm	Dialplate TQC LCD 775 Disp Asm	970030	
16	Mtg Bkt 2EMT Door-TQC	Mtg Bkt 2EMT Door-TQC	977665	
17	Sealing Bkt 2EMT-TQC	Sealing Bkt 2EMT-TQC	977666	
18	Bottom Bkt 2EMT TQC	Bottom Bkt 2EMT TQC	977670	



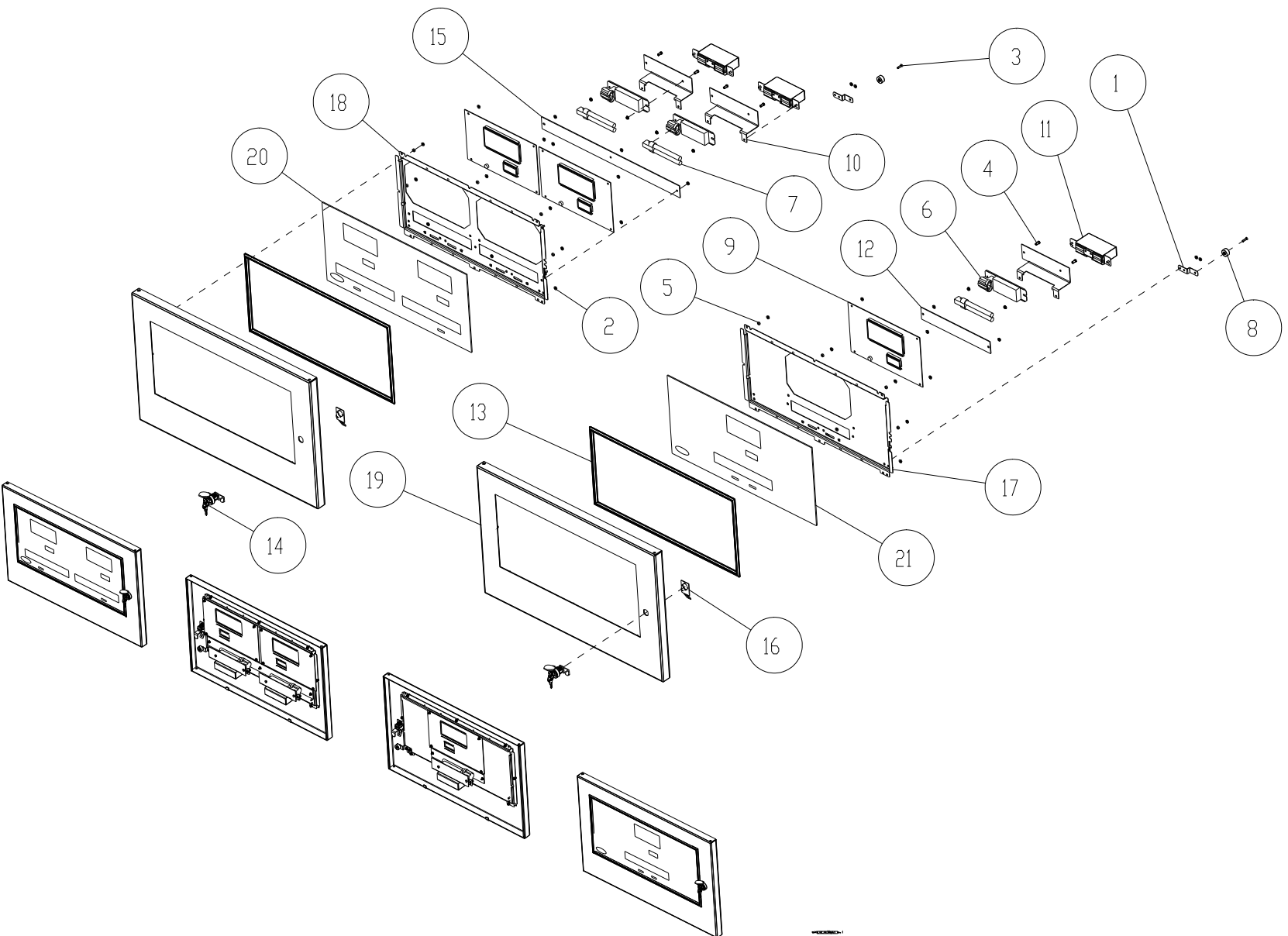
5.3.11 Q110 WWC 664 NON-RECESS CALCULATOR DOOR ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Washer PL M6	rondelle_plate M6 x12	900008-002	
2	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4 x	900013-001	
3	Shaft hinge D6x5-2mm (hole)	Axe à sertir	900659-002	
4	Ballast socket integrated	Ballaste douille intégré	900738	
5	Lamp - Fluorescent ORYX 7W	Tube fluo ORYX 7 W	900740	
6	LCD Plexi Glass Q500T1	LCD Plexi Glass Q500T2	907508	
7	PCB/WWC025/CSD-LCD	PCB/WWC025/CSD-LCD	909692	
8	Push button ZB4 BS864	Bouton poussoir ZB4 BS864	945761-004	
9	Mount - switch	Embase	945762-001	
10	Switch ZBE 102	Contact ZBE 102	946267-002	
11	Hinge Inner Q110	Hinge Inner Q110	947339	
12	Plexi Glass 1 Display IPI	Plexi Glass 1 Display IPI	948364	
13	SEAL - CALC GLASS Q510	JOINT - PORTE CALC MOULE Q510	949979	
14	Lock Assembly	Lock Assembly	-	Refer to Lock Assembly
15	Plate 1 displayWWC Assy	Plaque 1 displayWWC Asm	954612	
16	Q110LPG Non Recessed Door ACP Assy Door calc Std Q110 assy ACP	Q110LPG Non Recessed Door ACP Assy Porte calc Std Q110 asm ACP	955448 954600	
17	Brkt IPI Light	Brkt IPI Light	957465	



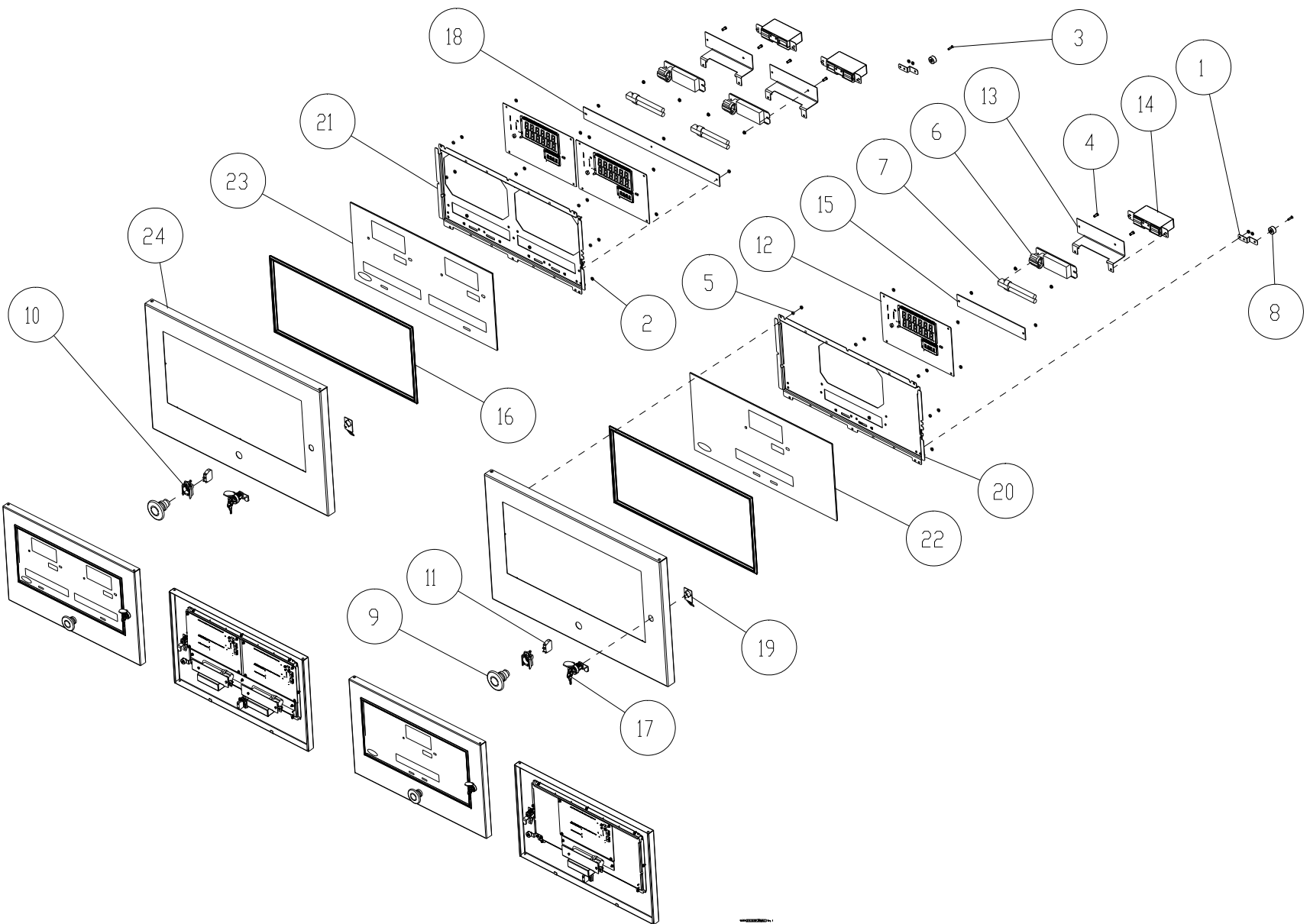
5.3.12 Q210 TQC NON-RECESS CALCULATOR DOOR ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Brkt Prog Switch Magnet TQC	Brkt Prog Switch Magnet TQC	956005	
2	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4 x	900013-001	
3	Screw SCS M4X16	Vis FS M4X16	900014-007	
4	Screw HH M4x10	Vis H M4x10	900015-001	
5	Spacer 4.2x8.0x3.0	Entretoise Cyl 4.2x8.0x3.0	900024-006	
6	Ballast socket integrated	Ballaste douille intégré	900738	
7	Lamp - Fluorescent ORYX 7W	Tube fluo ORYX 7 W	900740	
8	Magnet 20x4.4x10	Aimant 20x4.4x10	900757-001	
9	TQC CSD Assy 1UPD+ Termination	TQC CSD Assy 1UPD+ Termination	945222	
	TQC CSD Assy 2UPD+ Termination	TQC CSD Assy 2UPD+ Termination	945223	
	TQC CSD Assy 3UPD+ Termination	TQC CSD Assy 3UPD+ Termination	945224	
	TQC CSD Assy 4UPD+ Termination	TQC CSD Assy 4UPD+ Termination	945225	
10	Brkt IPI Light Q210	Brkt IPI Light Q210	949575	
11	EMT Totes Assembly	EMT Totes Assembly	-	Refer to EMT Totes Assembly
12	Plexi Glass 1 Display IPI	Plexi Glass 1 Display IPI	948364	
13	Seal - Calc Glass Q310	Joint - Porte Calc Moule Q310	949978	
14	Lock Assembly	Lock Assembly	-	Refer to Lock Assembly
15	Plexi Glass ipi 310 tqc	Plexi Glass ipi 310 tqc	950627	
16	Latch - Cord (lock) with earth	Latch - Cord (lock) with earth	952863	
17	Door calc Std Q210 assy ACP	Porte calc Std Q210 asm ACP	954377	
	Door calc Std Q210 assy BA	Porte calc Std Q210 asm BA	954420	
18	Plate 1 displayTQC assy	Plaque 1 displayTQC ASSY	954379	
19	Plate 2 display TQC assy	Plaque 2 display TQC asm	954385	
20	Glass Plexi 1 DisplayTQC	Verre Plexi 1 DisplayTQC	954387	
21	Glass Plexi 2 Display TQC	Verre Plexi 2 Display TQC	954389	



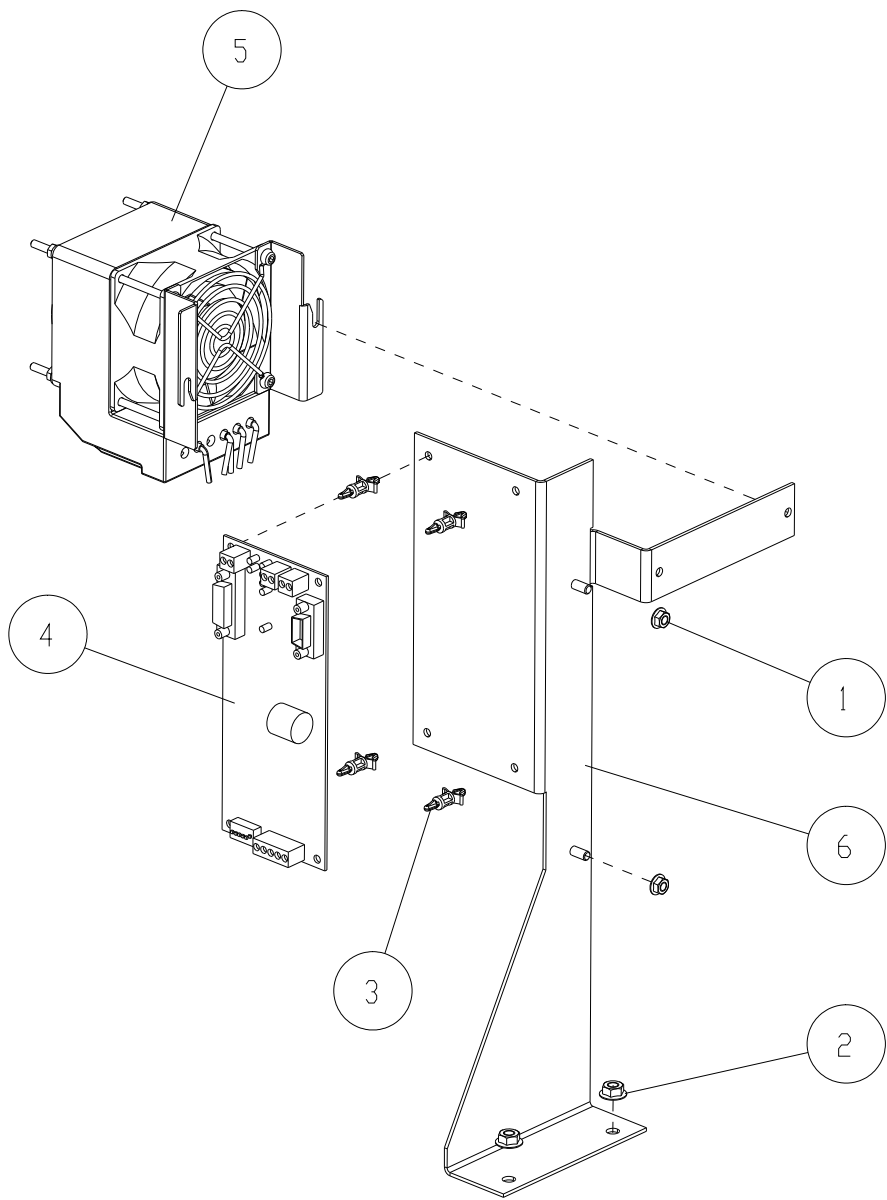
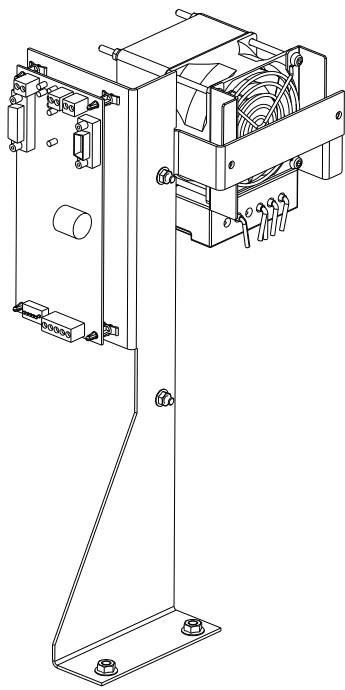
5.3.13 Q210 TQC IPD NON-RECESS CALCULATOR DOOR ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Brkt Prog Switch Magnet TQC	Brkt Prog Switch Magnet TQC	956005	
2	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4 x	900013-001	
3	Screw SCS M4X16	Vis FS M4X16	900014-007	
4	Screw HH M4x10	Vis H M4x10	900015-001	
5	Spacer 4.2x8.0x3.0	Entretoise Cyl 4.2x8.0x3.0	900024-006	
6	Ballast socket integrated	Ballaste douille intégré	900738	
7	Lamp - Fluorescent ORYX 7W	Tube fluo ORYX 7 W	900740	
8	Magnet 20x4.4x10	Aimant 20x4.4x10	900757-001	
9	PCB/iPD002L0/iPD Calc	PCB/iPD002L0/iPD Calc	946747	
10	Brkt IPI Light Q210	Brkt IPI Light Q210	948320	
11	Sealing cover EMT q210	Sealing cover EMT q210	948362	
12	Plexi Glass 1 Display IPI	Plexi Glass 1 Display IPI	948364	
13	Seal - Calc Glass Q310	Joint - Porte Calc Moule 310	949978	
14	Lock Assembly	Lock Assembly	-	Refer to Lock Assembly
15	Plexi Glass ipi 310 tqc	Plexi Glass ipi 310 tqc	950627	
16	Latch - Cord (lock) with earth	Latch - Cord (lock) with earth	952863	
17	Plate 1 displayTQC assy	Plaque 1 displayTQC ASSY	954379	
18	Plate 2 display TQC assy	Plaque 2 display TQC asm	954385	
19	Door calc Std Q210 assy ACP	Porte calc Std Q210 asm ACP	954377	
	Door calc Std Q210 assy BA	Porte calc Std Q210 asm BA	954420	
20	Glass Plexi 2 Display TQC-IPD	Verre Plexi 2 Display TQC-IPD	954489	
21	Glass Plexi 1 Display TQC-IPD	Verre Plexi 1 Display TQC-IPD	954490	



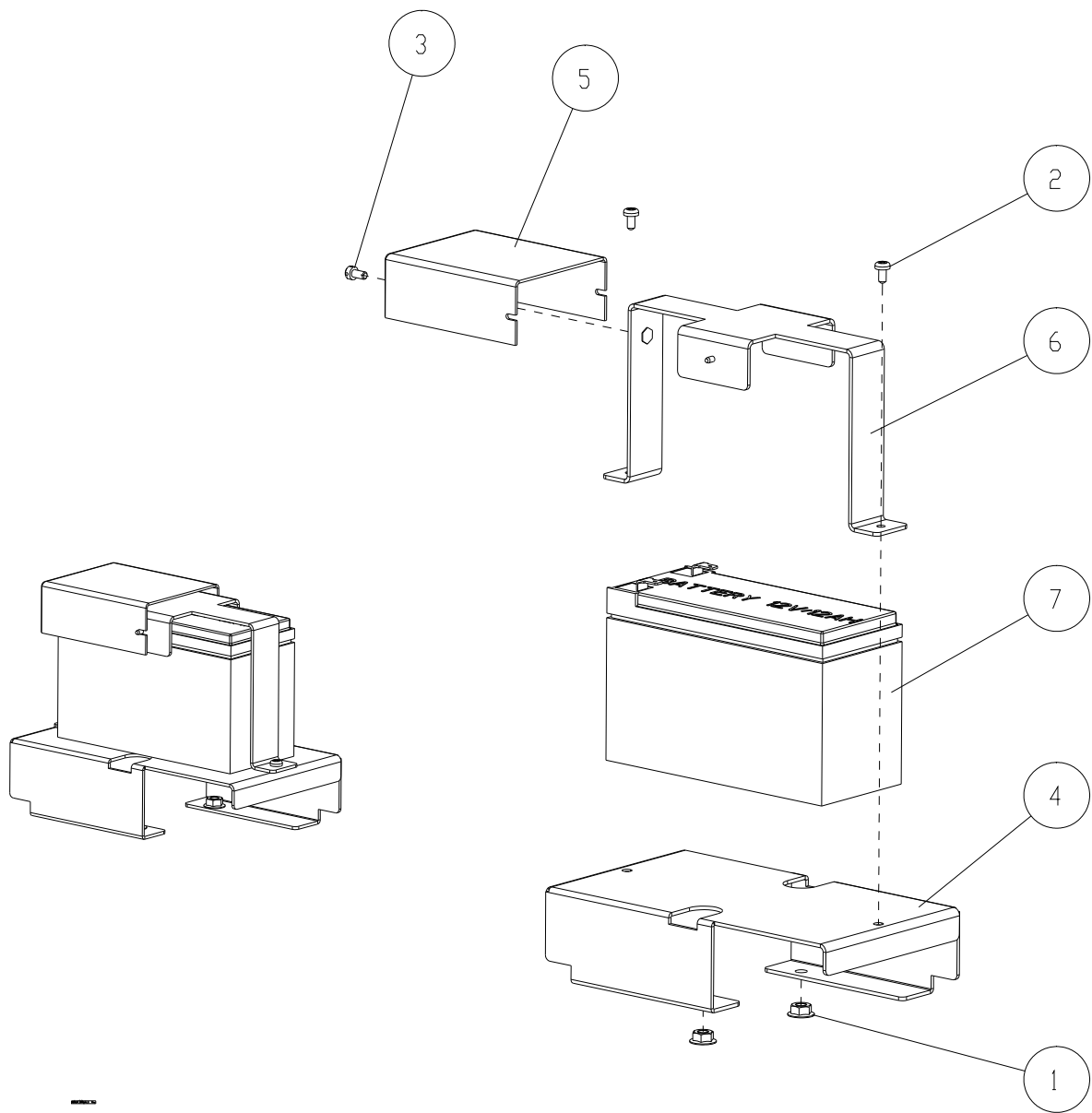
5.3.14 Q210 TQC EMERGENCY STOP NON-RECESS CALCULATOR DOOR ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Brkt Prog Switch Magnet TQC	Brkt Prog Switch Magnet TQC	956005	
2	Nut Hex Self Lock M4	Ecrou autobloquant Flange M4 x	900013-001	
3	Screw SCS M4X16	Vis FS M4X16	900014-007	
4	Screw HH M4x10	Vis H M4x10	900015-001	
5	Spacer 4.2x8.0x3.0	Entretoise Cyl 4.2x8.0x3.0	900024-006	
6	Ballast socket integrated	Ballaste douille intégré	900738	
7	Lamp - Fluorescent ORYX 7W	Tube fluo ORYX 7 W	900740	
8	Magnet 20x4.4x10	Aimant 20x4.4x10	900757-001	
9	Push button ZB4 BS864	Bouton poussoir ZB4 BS864	945761-004	
10	Brkt IPI Light	Brkt IPI Light	957465	
11	Switch ZBE 102	Contact ZBE 102	946267-002	
12	TQC CSD Assy 1UPD+ Termination	TQC CSD Assy 1UPD+ Termination	945222	
	TQC CSD Assy 2UPD+ Termination	TQC CSD Assy 2UPD+ Termination	945223	
	TQC CSD Assy 3UPD+ Termination	TQC CSD Assy 3UPD+ Termination	945224	
	TQC CSD Assy 4UPD+ Termination	TQC CSD Assy 4UPD+ Termination	945225	
13	Brkt IPI Light Q210	Brkt IPI Light Q210	948320	
14	Sealing cover EMT q210	Sealing cover EMT q210	948362	
15	Plexi Glass 1 Display IPI	Plexi Glass 1 Display IPI	948364	
16	Seal - Calc Glass Q310	Joint - Porte Calc Moule q310	949978	
17	Lock Assembly	Lock Assembly	-	Refer to Lock Assembly
18	Plexi Glass ipi 310 tqc	Plexi Glass ipi 310 tqc	950627	
19	Latch - Cord (lock) with earth	Latch - Cord (lock) with earth	952863	
20	Plate 1 displayTQC assy	Plaque 1 displayTQC ASSY	954379	
21	Plate 2 display TQC assy	Plaque 2 display TQC asm	954385	
22	Glass Plexi 1 DisplayTQC	Verre Plexi 1 DisplayTQC	954387	
23	Glass Plexi 2 Display TQC	Verre Plexi 2 Display TQC	954389	
24	Door Calc Q210 Assy ACP	Porte Calc Q210 Asm ACP	955990	
	Door Calc Q210 Assy BA	Porte Calc Q210 Asm BA	955992	



5.4 WWC Centreplate Support Bracket

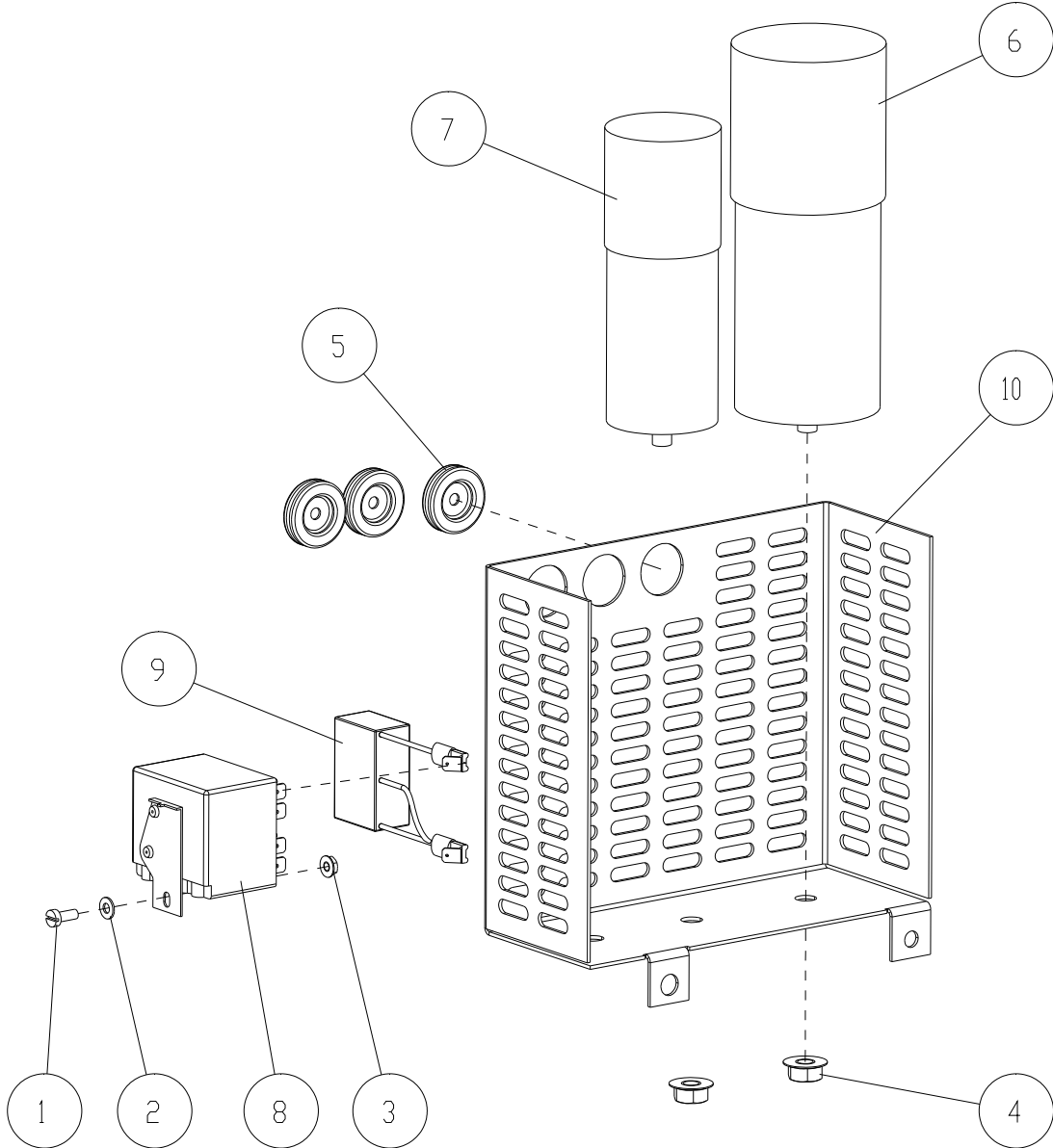
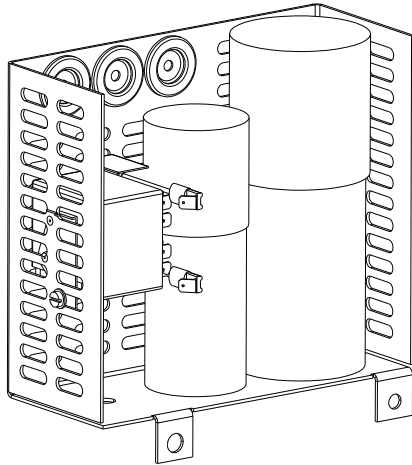
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M5	Ecrou Bride Autobloquant M5	900013-002	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Lock - Circuitboard Support 9.5mm	Tabl Circ Verrouil Support 9.5mm	9000456-001	
4	EPSI Interface ZSR/B 2-in-1	EPSI Interface ZSR/B 2-in-1	902958	
5	DBK Heater 350W	Chauffage DBK 350W	909214-001	
6	Q110 Centreplate Support Bracket	Q110 Centreplaque Support Bracket	948078	Q110 only
	Q210 Centreplate Support Bracket	Q210 Centreplaque Support Bracket	947934	Q210 only



5.5 TQC-IPD Battery Sealing

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
2	Screw CRRCHTF M4x8	Autotara Cyl Bomb Emp Cru M4 x 8	900078-003	
3	M4x8 Sealing Screw 5-8 St Zn	M4x8 Scellant VIS 5-8 St Zn	901551-001	
4	IPD Battery Bracket	Support Batterie IPD	947775	
5	Battery Sealing Cover	Couverture Etancheite Battery	951822	
6	Battery Bracket	Batterie Bracket	951823	
7	Battery	Batterie	970002	

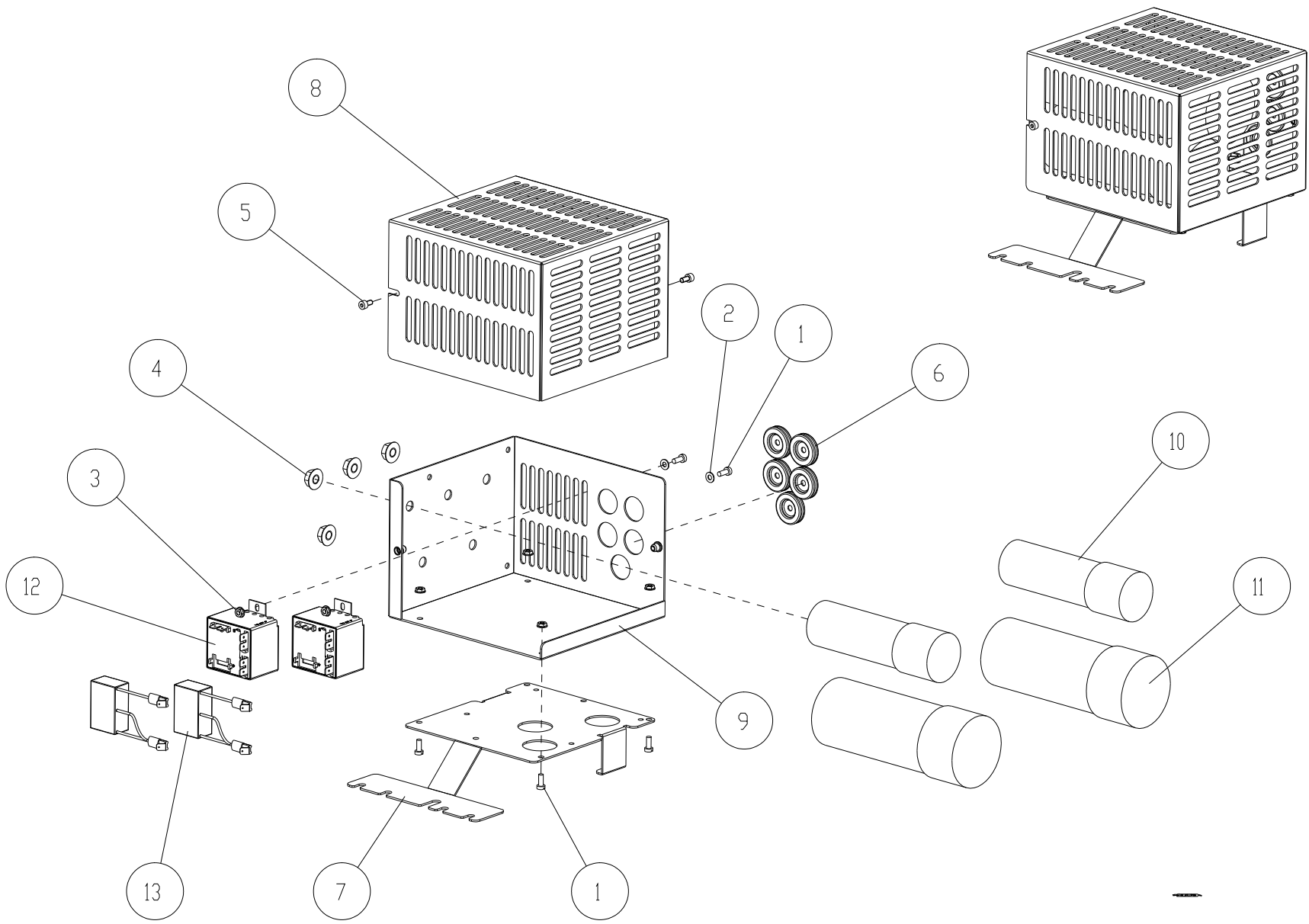




5.6 Capacitor Box Assemblies

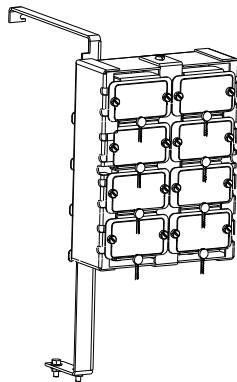
5.6.1 Q110 CAPACITOR BOX ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x10	Vis CS M4x10	900007-001	
2	Washer PI M4	Rondelle PI M4	900008-001	
3	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
4	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
5	Grommet membrane ID 16	Passe fil à membrane DG16	903754-002	Perforated
	Grommet membrane ID 16	Passe fil à membrane DG16	902331-004	
6	Capacitor 90uF	Condensateur 90uF	906505	
7	Capacitor 25uF (RAEL)	Condensateur 25uF (RAEL)	907315-008	50Hz
	Capacitor 20uF (RAEL)	Condensateur 20uF (RAEL)	907315-009	60Hz
8	Motor Start Potential Relay	Relais Potential Moteur	944866-001	50Hz
	Motor Start Potential Relay	Relais Potential Moteur	944866-002	60Hz
9	RC Filter for Zettler	RC Filter for Zettler	944911	60Hz
10	Capacitor Box	Condensateur Boîte	948293	

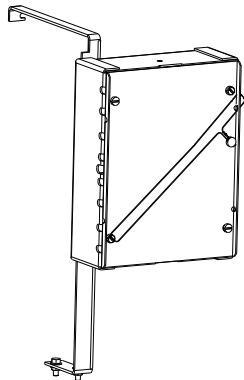


5.6.2 Q210 CAPACITOR BOX ASSEMBLY

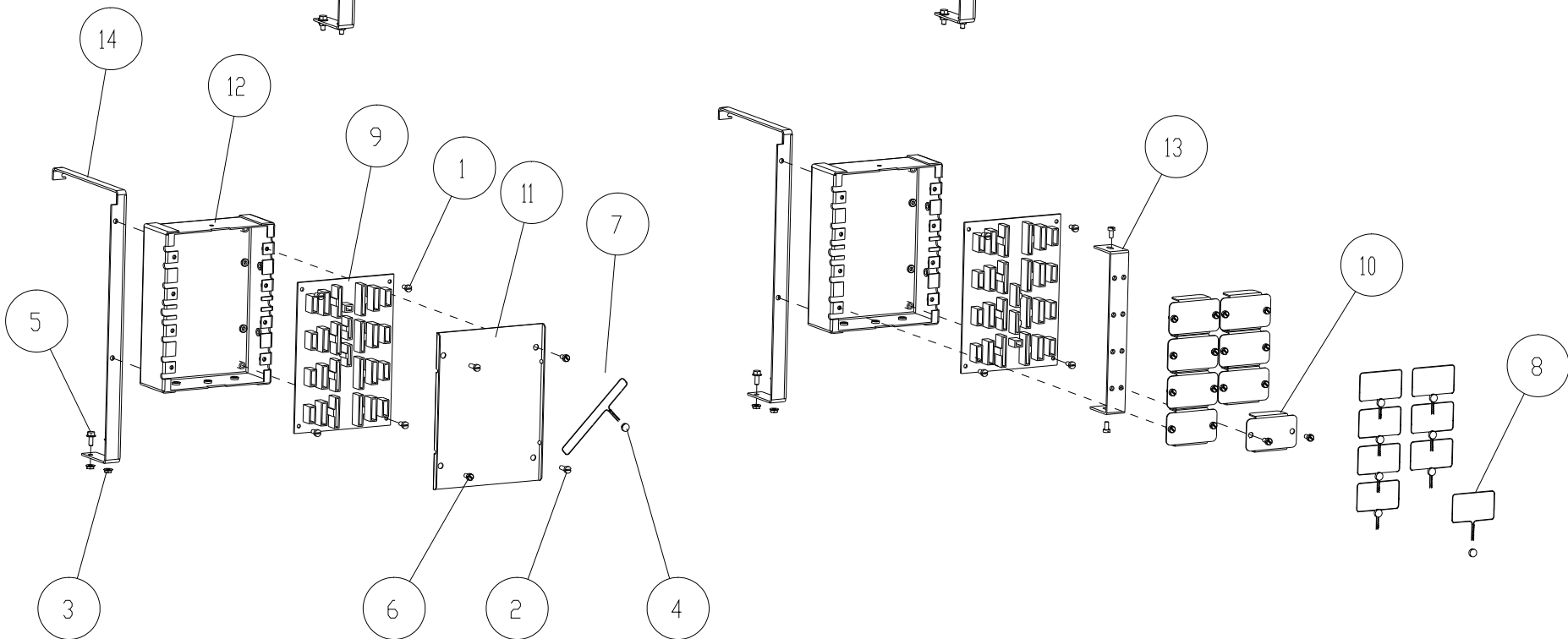
Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x10	Vis CS M4x10	900007-001	
2	Washer PI M4	Rondelle PI M4	900008-001	
3	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
4	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
5	Screw HSHC M4x8	Vis CHC M4x8	900017-008	
6	Grommet Membrane ID 16	Passe fil à Membrane DG16	903754-002	Perforated
	Grommet Membrane ID 16	Passe fil à Membrane DG16	902331-004	
7	Capacitor Box Bracket	Support Boites à Condensateurs	906869	
8	Capacitor Big Box Top Cover	Boite à Cond. GM - Dessus	906870	
9	Capacitor Big Box - Base Asm	Boite à Cond. GM-Embase Asm	906876	
10	Capacitor 25uF(Rael)	Condensateur 25uF(Rael)	907315-008	50Hz only
	Capacitor 20uF(Rael)	Condensateur 20uF(Rael)	907315-009	60Hz only
11	Capacitor 90uF	Condensateur 90uF	907315-011	
12	Motor Start Potential Relay	Relais Potentiel De Démarra Moteur	944866-001	50Hz only
	Motor Start Potential Relay	Relais Potentiel De Démarra Moteur	944866-002	60Hz only
13	RC Filter for Zettler	RC Filter for Zettler	944911	60Hz only



Multiple Sealing Box

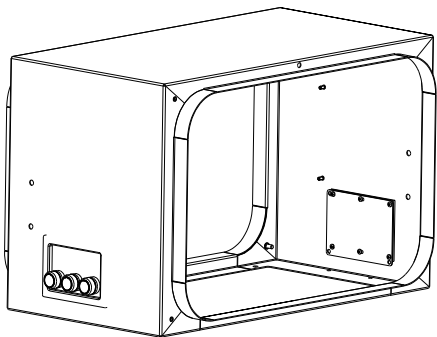


Single Sealing Box

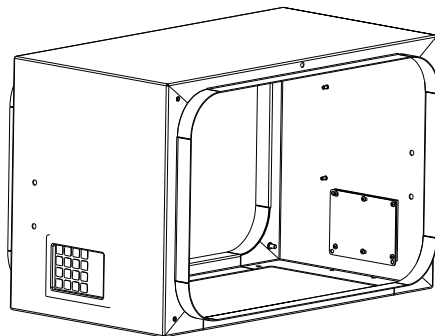


5.7 Pulser Sealing Box Assembly

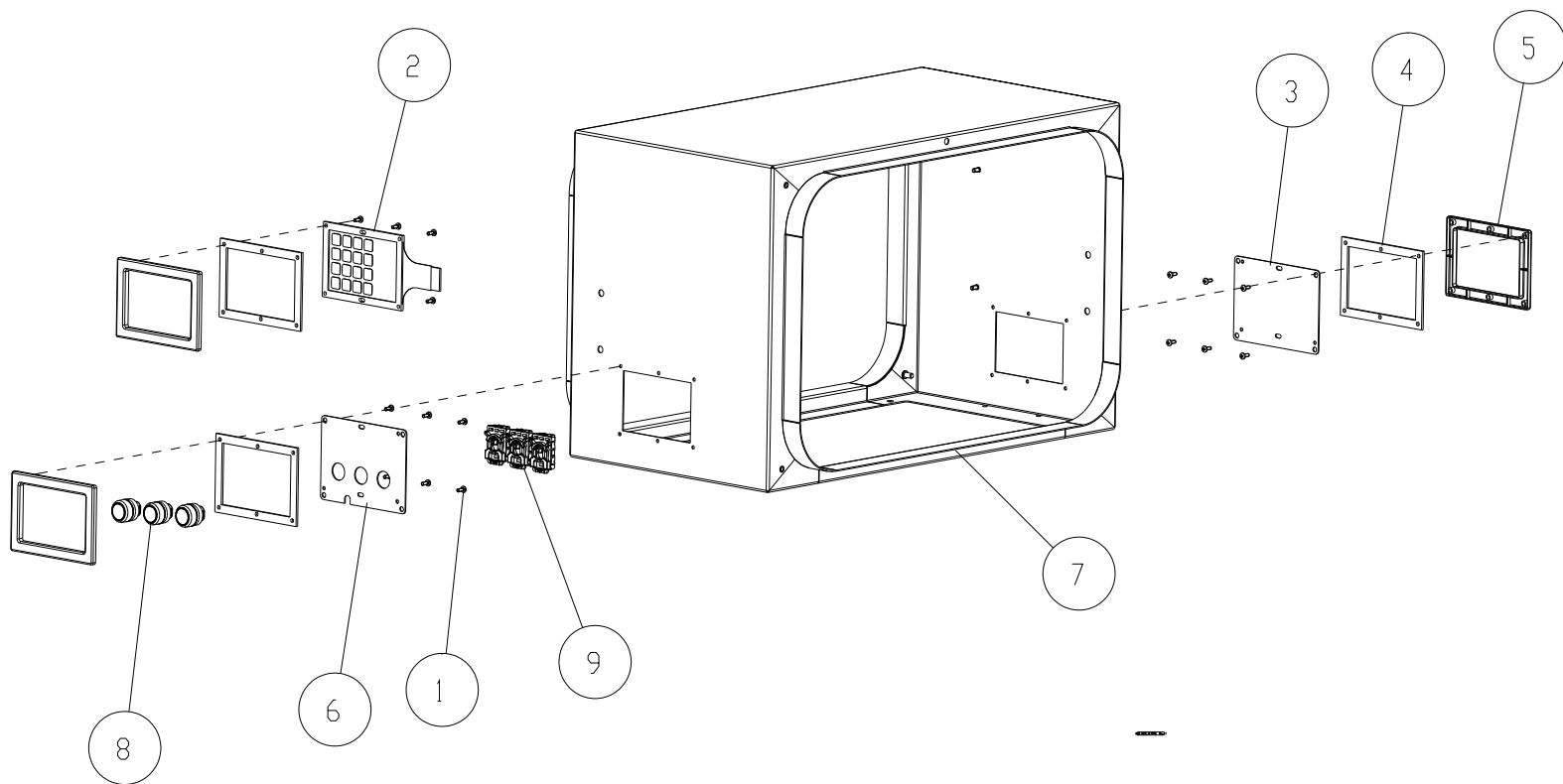
Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x8	Vis CS M4x8	900007-003	
2	Screw SCH M4x12	Vis CS M4x12	900007-006	
3	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
4	Sealing Lead D8 x 2.5	Plomb à Pincer	900040-002	
5	Screw HFHTF M4x10	Vis Hex. Taraudeuse M4x10	900708-002	
6	M4x8 Sealing Screw 5-8 St Zn	M4x8 Scellant VIS 5-8 St Zn	901551-001	
7	Seal Wire Steel	Fil de Plombage Acier	902404-001	
8	Seal Wire Plastified	Fil de Plombage Plastifice	902404-002	
9	Pulser Callibration-Temp Comp	Pulser Callibration-Temp Comp	909520	
10	Sealing Board Lid (each meter)	Sealing Board Lid (each meter)	909681	
11	Sealing Board Lid	Sealing Board Lid	909682	
12	Sealing Board Frame Electrical Cal.	Armature de Calibrage Electronique	909766	
13	Omega Profil Sealing Board Frame	Omega Profil Sealing Board Frame	940233	
14	Support Bracket	Support Bracket	948081	



PRESET PUSH BUTTONS

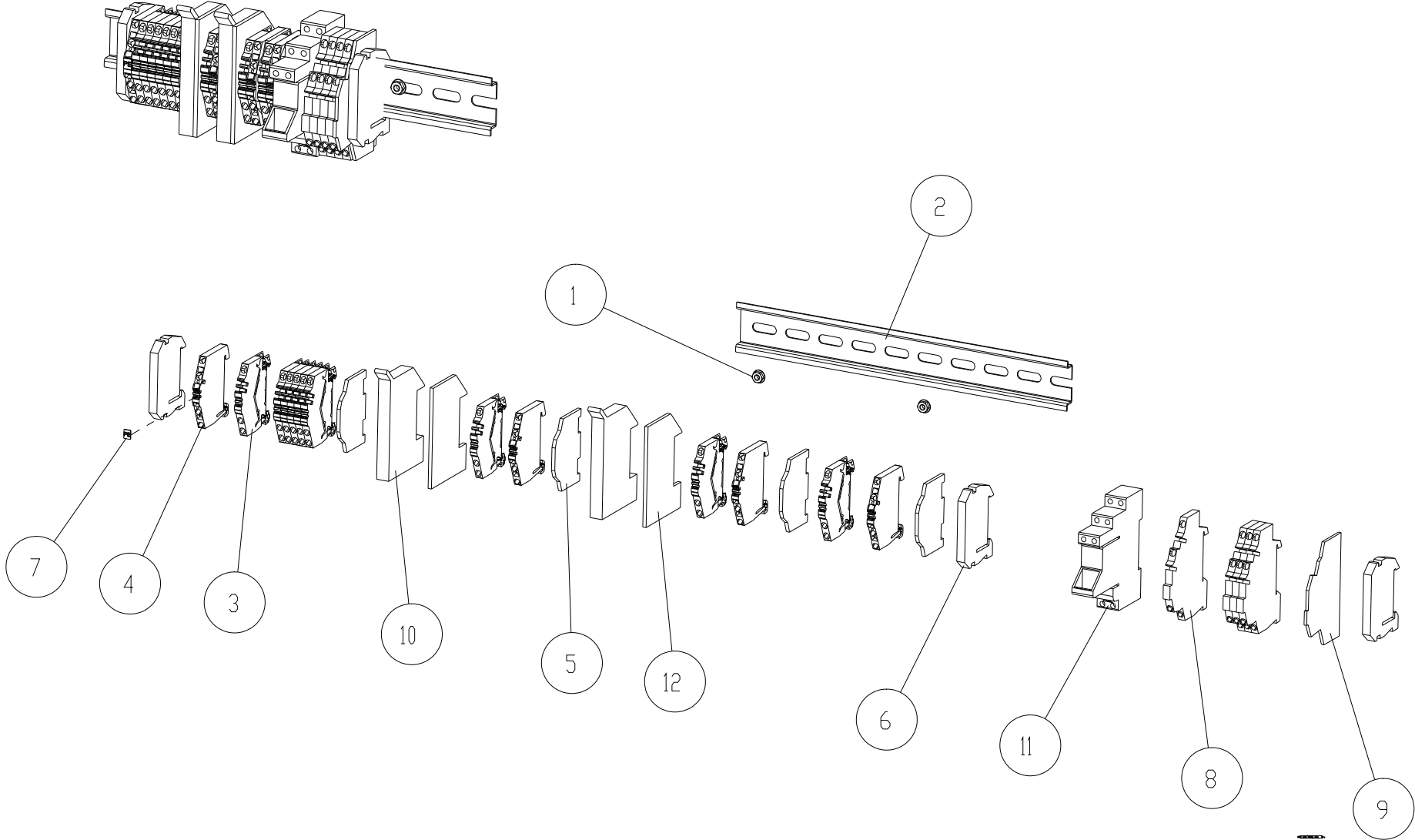


PRESET KEYPAD



5.8 Keypad Assembly

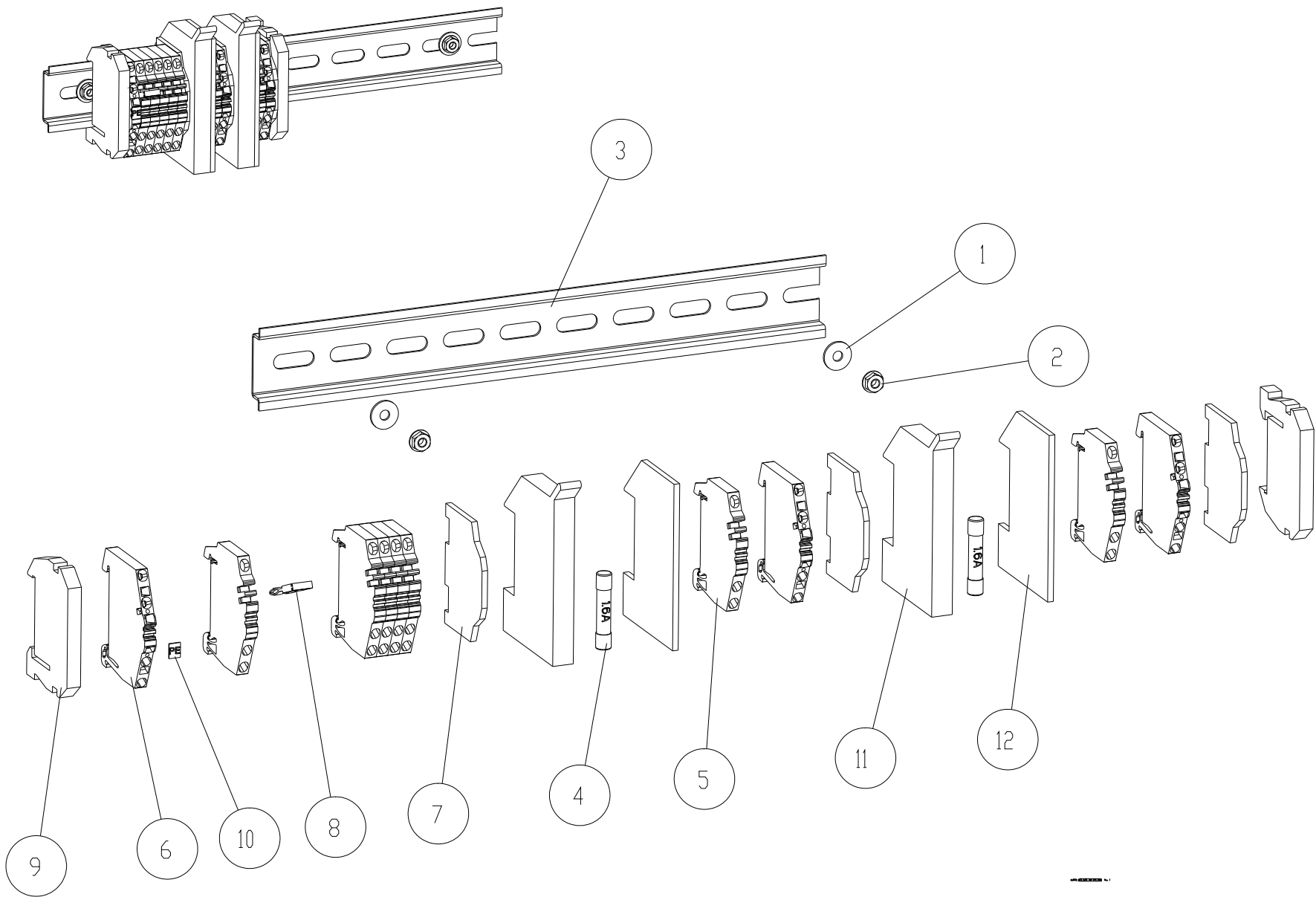
Item No	Description	Désignation Français	Part No	Comments
1	Screw CRRCH M4x10	Vis CBLZ M4x10	900052-003	
2	Membrane Keyboard 4X4	Clavier Prede 4X4	902470	
3	Full Cap Manual Reset & Preset	Tôle Obturation RàZ & Prédé	904509	
4	Gasket Preset Full Cap Plate	Joint Tôle obturation Prédé	904853	
5	Bezel Preset Keypad	Clavier Prédé Couvercle	942247	
6	Plate 3 Push Button	Plaque 3 Boutons Poussoir	942909	
7	Calculator Head 3PB	Tête Electronique Preset	-	Refer to Calculator Head Assemblies
8	Metal Push Button Black	Bouton Poussoir Noir	948560-001	
	Push button Black	Bouton poussoir Noir	958240-001	
	Push button Red	Bouton poussoir Rouge	958240-002	
	Push button Green	Bouton poussoir Vert	958240-003	
	Push button Green	Bouton poussoir Vert	958242-001	
	Push button Red	Bouton poussoir Rouge	958242-002	
9	Switch Assy ABB	Switch Assy ABB	949306	
	Switch Teknic NO	Contact Teknic NO	958244-001	
	Switch Teknic NC	Contact Teknic NC	958244-002	



5.9 Rail Assemblies

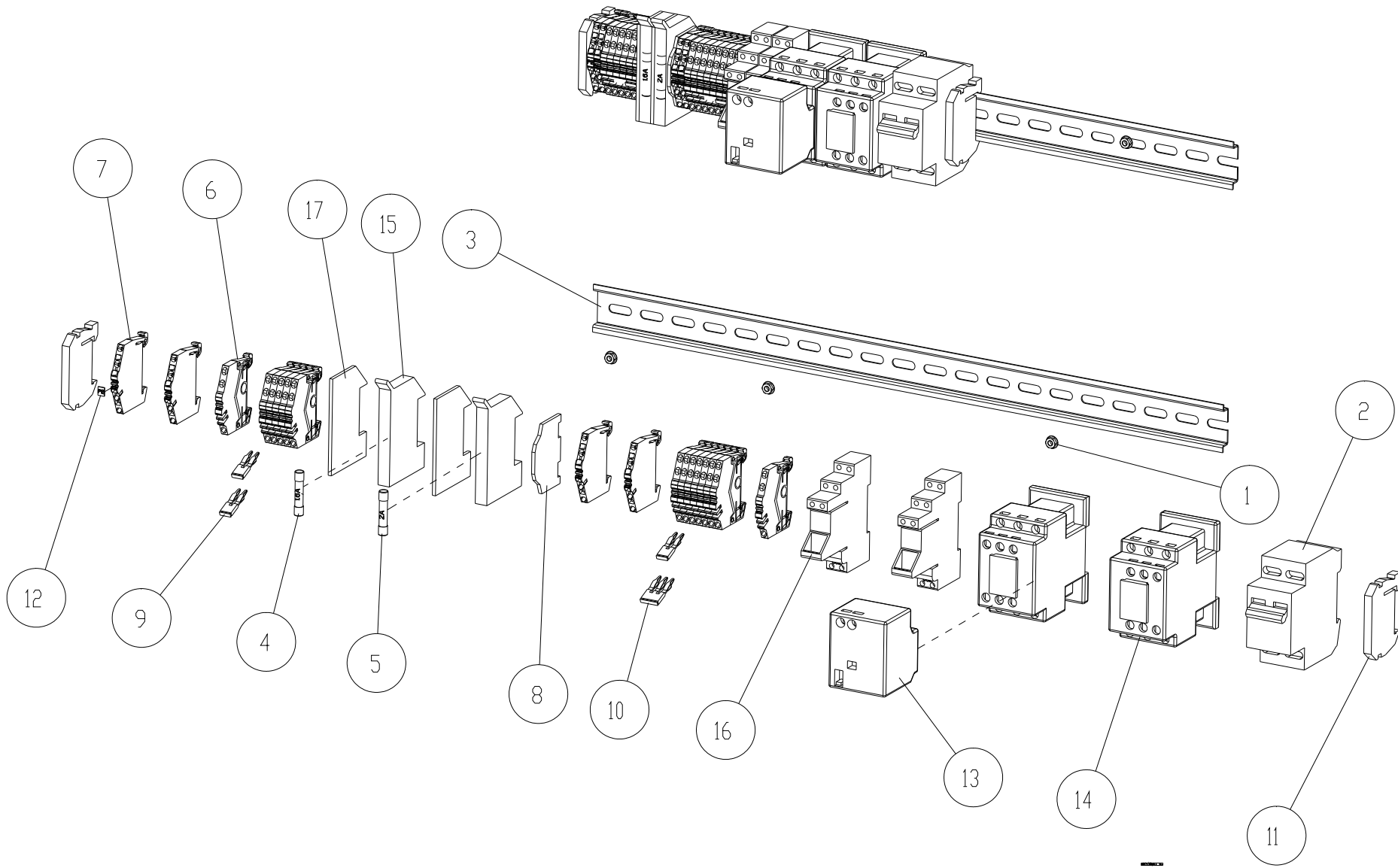
5.9.1 WWC MAINS RAIL

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Rail TS 35 L=250	Rail de Bornier TS 35 L=250	901432-008	
3	Clamp 3 x 0.13 - 2.50 mm gn/ye	Borne 3 x 0.13 - 2.50mm Beige	909416-001	
4	Clamp 4 x 0.13 - 2.50 mm gn/ye	Borne 4x0.13-2.50mm vert/jaune	909416-002	
5	End Plate Orange	Plaque Separation Orange	909416-003	
6	End Bracket Beige	Extremite Stop Beige	909416-006	
7	Code Letter L1	Code Barre L1	909416-007	
	Code Letter L2	Code Barre L2	909416-008	
	Code Letter L3	Code Barre L3	909416-009	
	Code Letter N	Code Barre N	909416-010	
	Code Letter PE	Code Barre PE	909416-011	
	Code Letter Blank	Code Barre Blank	909416-012	
	Code Letter 1-10	Code Barre 1-10	909416-017	
	Code Letters 11-20	Code Barre 11-20	909416-018	
	Code Letter L4	Code Barre L4	908994-001	
	Code Letter L5	Code Barre L5	908994-002	
	Code Letter L6	Code Barre L6	908994-003	
	Code Letter N6	Code Barre N6	908994-004	
8	Clamp 2x2x 0.13-2.50mm Beige	Borne 2x2x 0.13-2.50mm Beige	909416-013	
9	End Plate Orange for Clamp 013	Plaque Separa Orange pour -013	909416-014	
10	Fuse Holder for 6.3x32 Fuse	Porte Fusible Sect 6.3x32	944754	
11	Relay & Socket Assembly TS35	Asm Relais & Cavite TS35	944844	
12	End Plate Fuse Terminal	Plaque d'Extremite Fusible	944879	



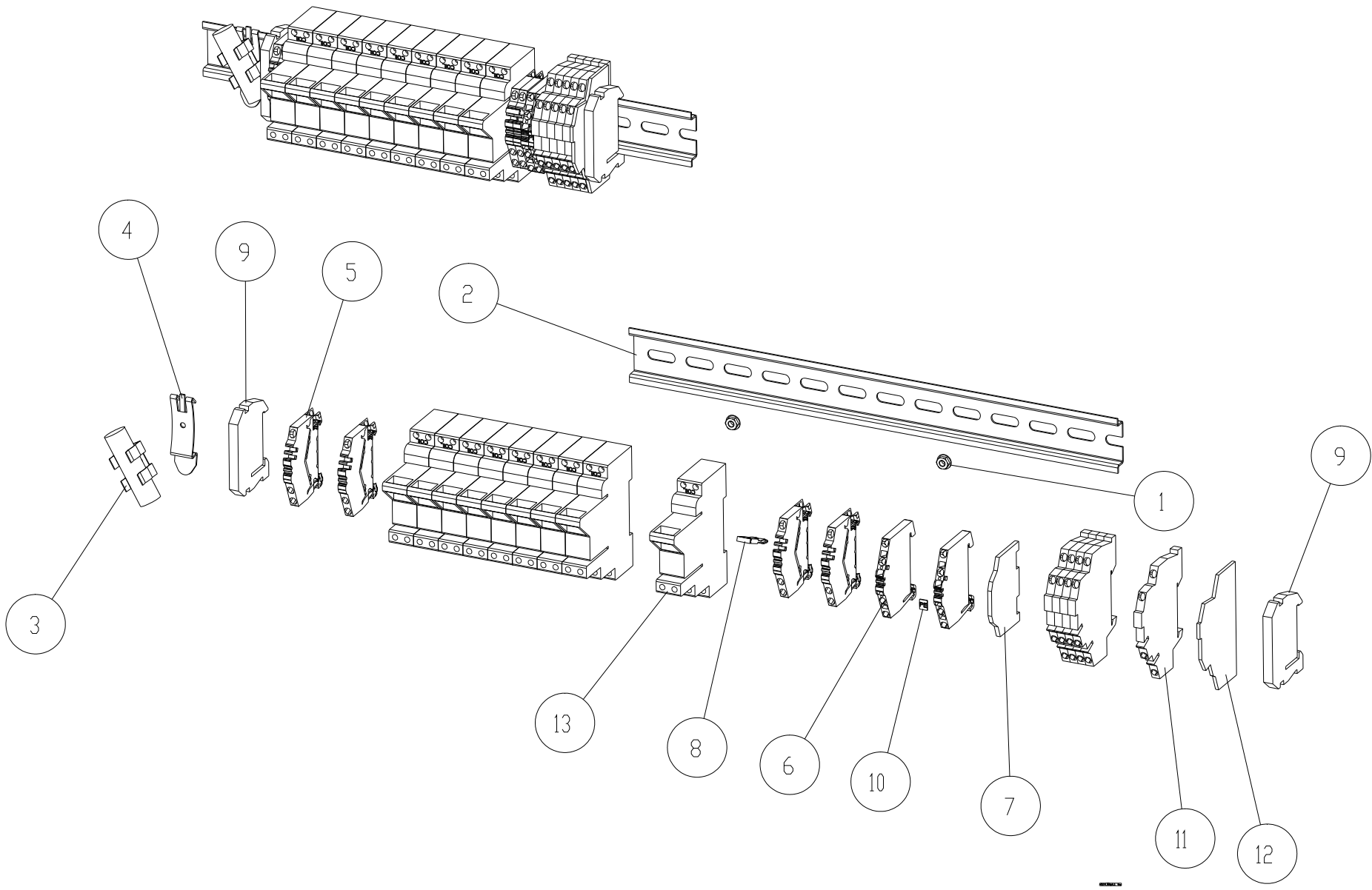
5.9.2 TQC-IPD MAINS RAIL

Item No	Description	Désignation Français	Part No	Comments
1	Washer PI d2=3xd1 M4	Rondelle PI d2=3xd1 M4	900008-003	
2	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
3	Rail TS 35 L=250	Rail de Bornier TS 35 L=250	901432-008	
4	Fuse 1.6A	Fusible 1.6A	903483-002	
	Fuse 6.3A	Fusible 6.3A	903483-004	
5	Clamp 3 x 0.13 - 2.50 mm Beige	Borne 3 x 0.13 - 2.50mm Beige	909416-001	
6	Clamp 4 x 0.13 - 2.50 mm GN/YE	Borne 4x0.13-2.50mm Vert/Jaune	909416-002	
7	End Plate Orange	Plaque Separation Orange	909416-003	
8	Jumper 2 Pole	Jonction 2 Voies	909416-004	
	Jumper 3 Pole	Jonction 3 Voies	909416-005	
9	End Bracket Beige	Extremite Stop Beige	909416-006	
10	Code Letter "PE"	Code Barre "PE"	909416-011	
	Code Letter "N"	Code Barre "N"	909416-010	
	Code Letter "L6"	Code Barre "L6"	908994-003	
	Code Letter "L5"	Code Barre "L5"	908994-002	
	Code Letter "L4"	Code Barre "L4"	908994-001	
	Code Letter "L3"	Code Barre "L3"	909416-009	
	Code Letter "L2"	Code Barre "L2"	909416-008	
	Code Letter "L1"	Code Barre "L1"	909416-007	
11	Fuse Holder for 6.3 x 32 Fuse	Porte Fusible Sect 6.3 x 32	944754	
12	End Plate, Fuse Terminal	Plaque d'Extrémité Fusible	944879	



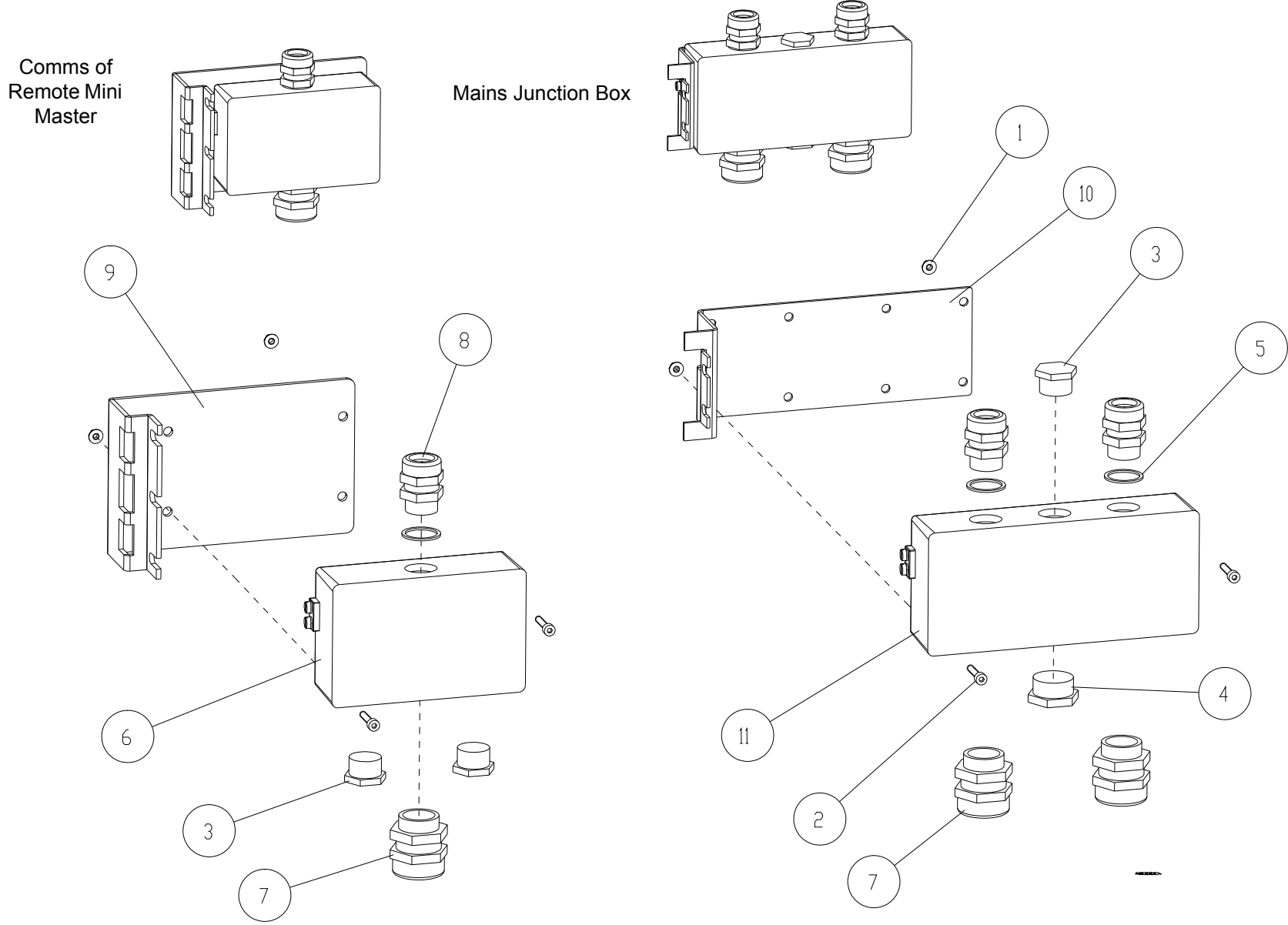
5.9.3 TQC MAINS RAIL ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Main Switch 400V/32A	Commutat Princip 400V/32A	900074-001	
3	Rail TS 35 I=500	Rail de Bornier TS 35 I=500	901432-009	
4	Fuse 1.6A	Fusible 1.6A	903483-002	
5	Fuse 2A	Fusible 2A	903483-007	
6	Clamp 3 x 0.13 - 2.50 mm Beige	Borne 3 x 0.13 - 2.50mm Beige	909416-001	
7	Clamp 4 x 0.13 - 2.50 mm Gn/Ye	Borne 4x0.13-2.50mm Vert/Jaune	909416-002	
8	End Plate Orange	Plaque Separation Orange	909416-003	
9	Jumper 2 Pole	Jonction 2 Voies	909416-004	
10	Jumper 3 Pole	Jumper 3 Pole	909416-005	
11	End Bracket Beige	Extremite Stop Beige	909416-006	
12	Code Letter L1	Code Barre L1	909416-007	
	Code Letter L2	Code Barre L2	909416-008	
	Code Letter L3	Code Barre L3	909416-009	
	Code Letter N	Code Barre N	909416-010	
	Code Letter PE	Code Barre PE	909416-011	
	Code Letter Blank	Code Barre Blank	909416-012	
	Code Letter 1-10	Code Barre 1-10	909416-017	
	Code Letters 11-20	Code Barre 11-20	909416-018	
	Code Letter L4	Code Barre L4	908994-001	
	Code Letter L5	Code Barre L5	908994-002	
	Code Letter L6	Code Barre L6	908994-003	
	Code Letter N6	Code Barre N6	908994-004	
13	Mechanical Latch	Mechanical Latch	941653	
14	Contactor 230V ac	Contactor 230V ac	941654-001	
15	Fuse Holder for 6.3 x 32 Fuse	Porte Fusible Sect 6.3 x 32	944754	
16	Relay & Socket Assembly TS35	Asm Relais & Cavite TS35	944844	
17	End Plate, Fuse Terminal	Plaque d'Extrémité Fusible	944879	



5.9.4 TQC OPTIONS RAIL ASSEMBLY

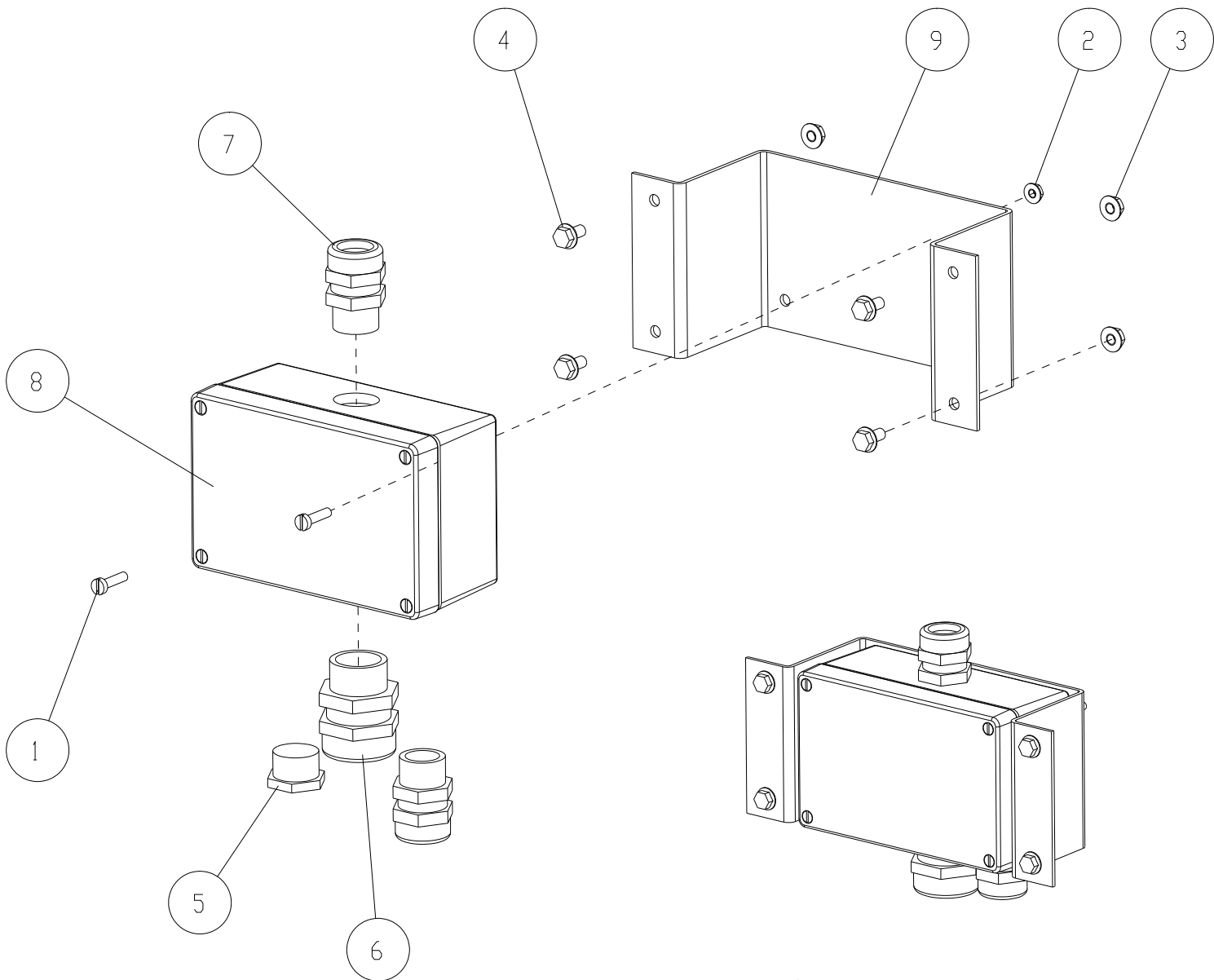
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Rail TS 35 l=320	Rail de bornier TS 35 l=320	901432-004	
3	Vibration Contact	Vibration Contact	905176	
4	Clip Nut M4 - DIN Rail	Ecrou Clip M4 - Rail DIN	906193-001	
5	Clamp 3 x 0.13 - 2.50 mm Beige	Borne 3 x 0.13 - 2.50mm Beige	909416-001	
6	Clamp 4 x 0.13 - 2.50 mm Gn/Ye	Borne 4x0.13-2.50mm Vert/Jaune	909416-002	
7	End Plate Orange	Plaque Separation Orange	909416-003	
8	Jumper 2 Pole	Jonction 2 Voies	909416-004	
9	End Bracket Beige	Extremite Stop Beige	909416-006	
10	Code Letter L1	Code Barre L1	909416-007	
	Code Letter L2	Code Barre L2	909416-008	
	Code Letter L3	Code Barre L3	909416-009	
	Code Letter N	Code Barre N	909416-010	
	Code Letter PE	Code Barre PE	909416-011	
	Code Letter Blank	Code Barre Blank	909416-012	
	Code Letter 1-10	Code Barre 1-10	909416-017	
	Code Letters 11-20	Code Barre 11-20	909416-018	
	Code Letter L4	Code Barre L4	908994-001	
	Code Letter L5	Code Barre L5	908994-002	
	Code Letter L6	Code Barre L6	908994-003	
	Code Letter N6	Code Barre N6	908994-004	
11	Clamp 2x2x 0.13-2.50mm Beige	Borne 2x2x 0.13-2.50mm Beige	909416-013	
12	End Plate Orange for Clamp 013	Plaque Separa Orange pour -013	909416-014	
13	Relay & Socket Assembly TS35	Asm Relais & Cavite TS35	944844	



5.10 Junction Box Assemblies

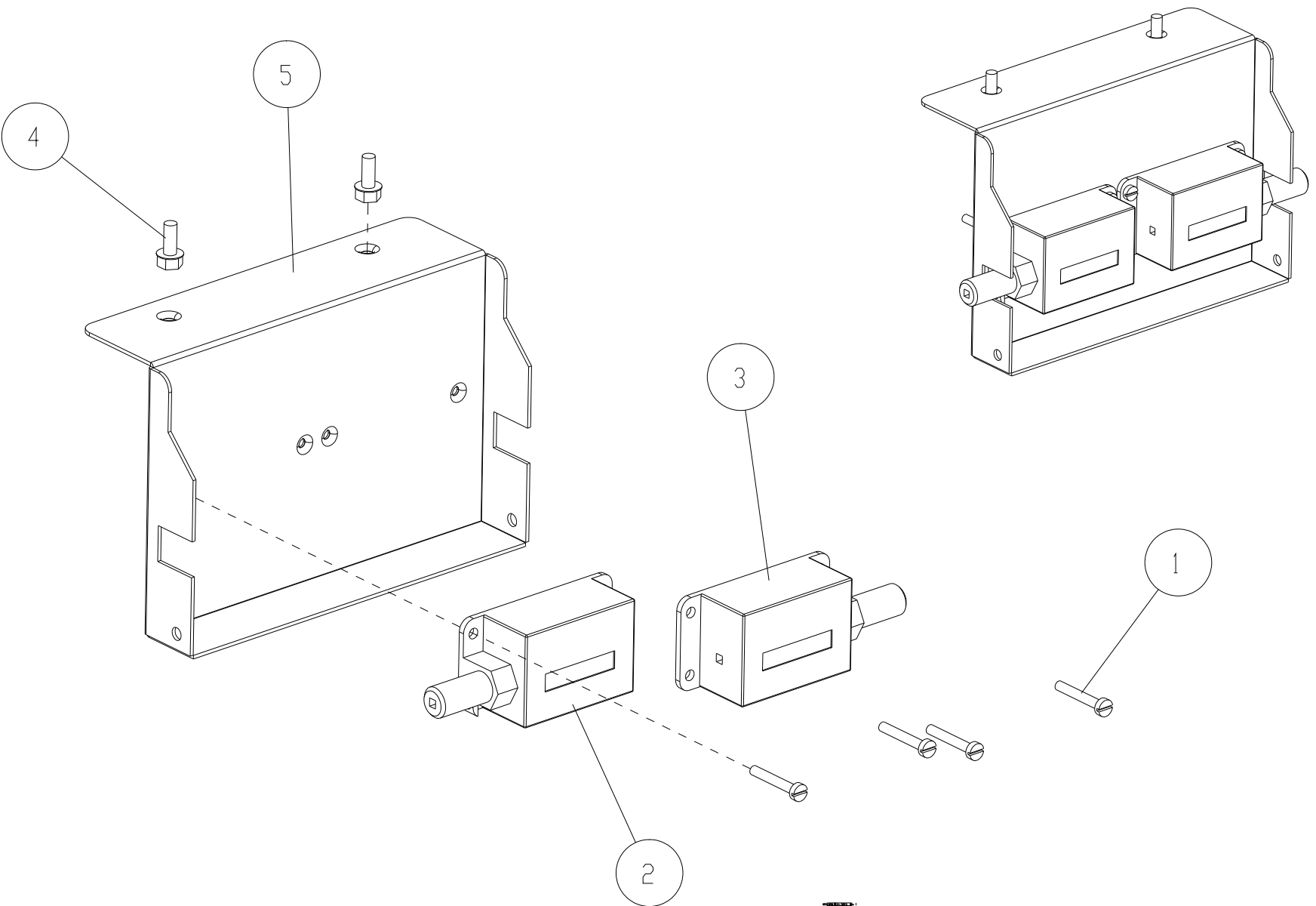
5.10.1 MAINS, COMMS OR MINI MASTER JUNCTION BOX

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Screw HSHC M4x20	Vis CHC M4x20	900017-011	
3	Plug M20 x 1.5 EEXE/IP66	Bouchon PG M20 x 1.5 EEXE/IP66	900044-001	
4	Plug M25 x 1.5 EEXE/IP66	Bouchon PG M25 x 1.5 EEXE/IP66	900044-002	
5	Washer Sealing 16x22x1.2	Rondelle étanche 16x22x1.2	900101-006	
	Washer Sealing 20x24x1.2	Rondelle Etanche 20x24x1.2	900101-001	
	Washer Sealing 25x30x1.5	Rondelle Etanche 25x30x1.5	900101-002	
6	Junctionbox Bernstein CA150	Junctionbox Bernstein CA150	901753	
7	Gland M25X1.5 EExell/8-17mm	Gland M25X1.5 EExell/8-17mm	901990-001	
8	Gland M20X1.5 Eexe II 6-12mm	PE M20X1.5 Eexe II 6-12mm	904155-001	
9	Bernstein Box Bracket	Support Boite Bernstein	906276	
10	Bracket Bernsteinbox CA170	Bracket Bernsteinbox CA170	940163	
11	Junction Box Mains CA170 Drilled	Boite deJ Allimentation CA170	940330	



5.10.2 Q210 SDS JUNCTION BOX

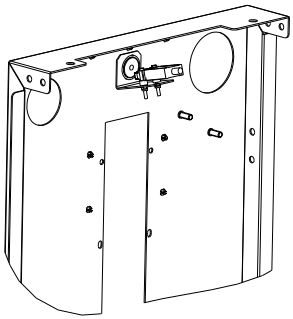
Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M4x16	Vis CS M4x16	900007-014	
2	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
3	Nut Hex Self Lock M5	Ecrou Bride Autobloquant M5	900013-002	
4	Screw HFHSL M5x10	Vis Hex Br Autobl M5x10	900016-001	
5	Plug M20 x 1.5 EEXE/IP66	Bouchon PG M20 x 1.5 EEXE/IP66	900044-001	
6	Gland M25X1.5 Eexe II 13-19mm	PE M25X1.5 Eexe II 13-19mm	900065-001	
7	Gland M20X1.5 EExe II 5-9mm	PE M20X1.5 Eexe II 5-9mm	901478-001	
8	Junction Box Bernstein CA150	Boitier de Connection Bernstein	901753	
9	Bernstein Box Bracket	Bernstein Box Support	902010	



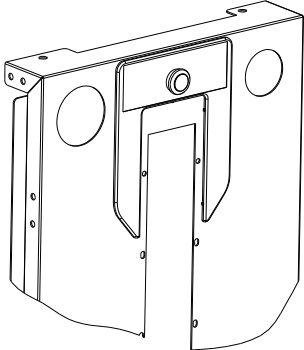
5.11 Mechanical Totalisers

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M3x20	Vis CS M3x20	900007-002	
2	Mechanical Totaliser Left	Compteur Mecanique Gauche	900743-001	
3	Mechanical Totaliser Right	Compteur Mecanique Droite	900743-002	
4	Screw Hex Head Combi M4x10	Vis Hex Head Combi M4x10	946630-001	
5	Bracket for Mechanical Totalisers	Support Totalisateurs Mecanique	946633	

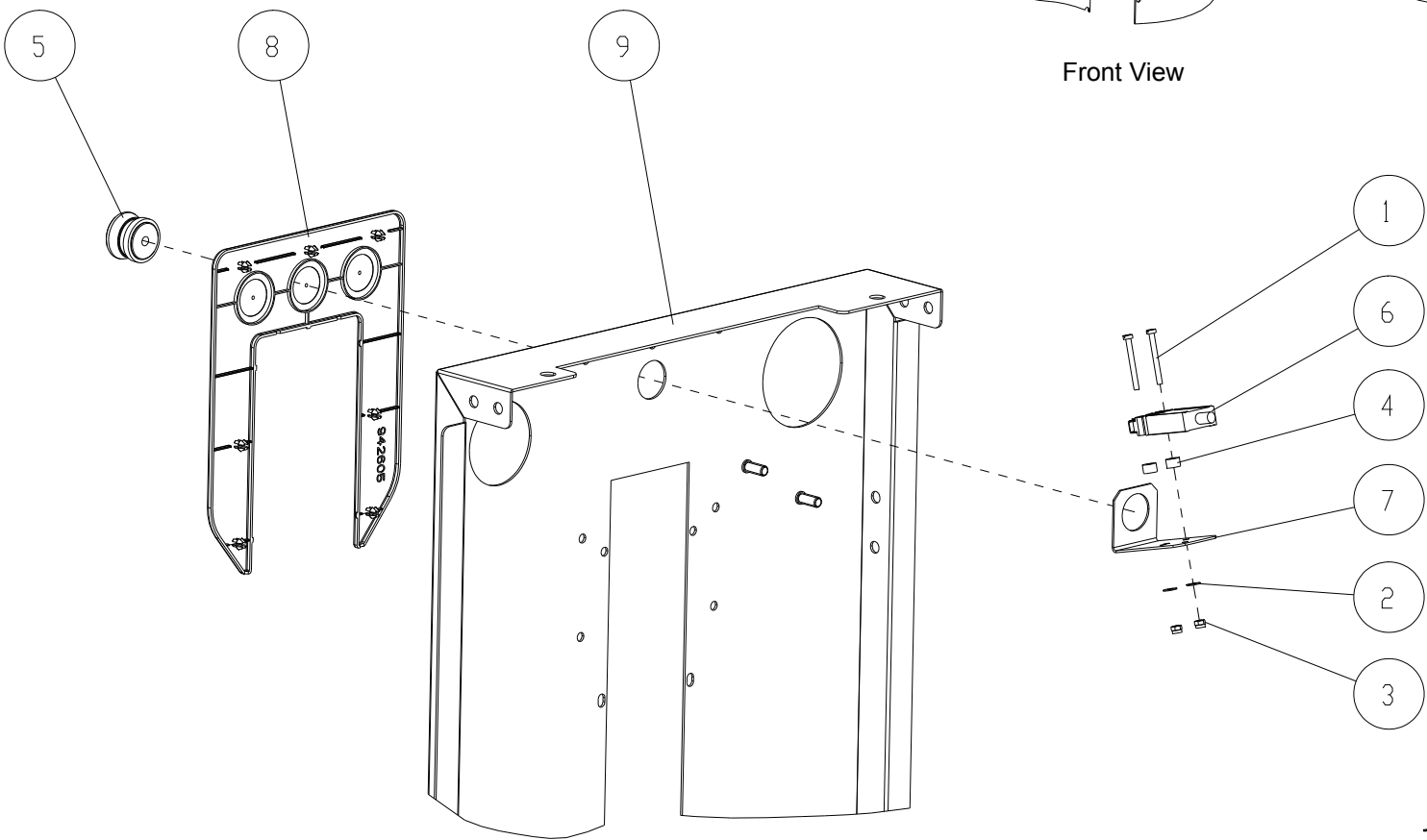




Back View

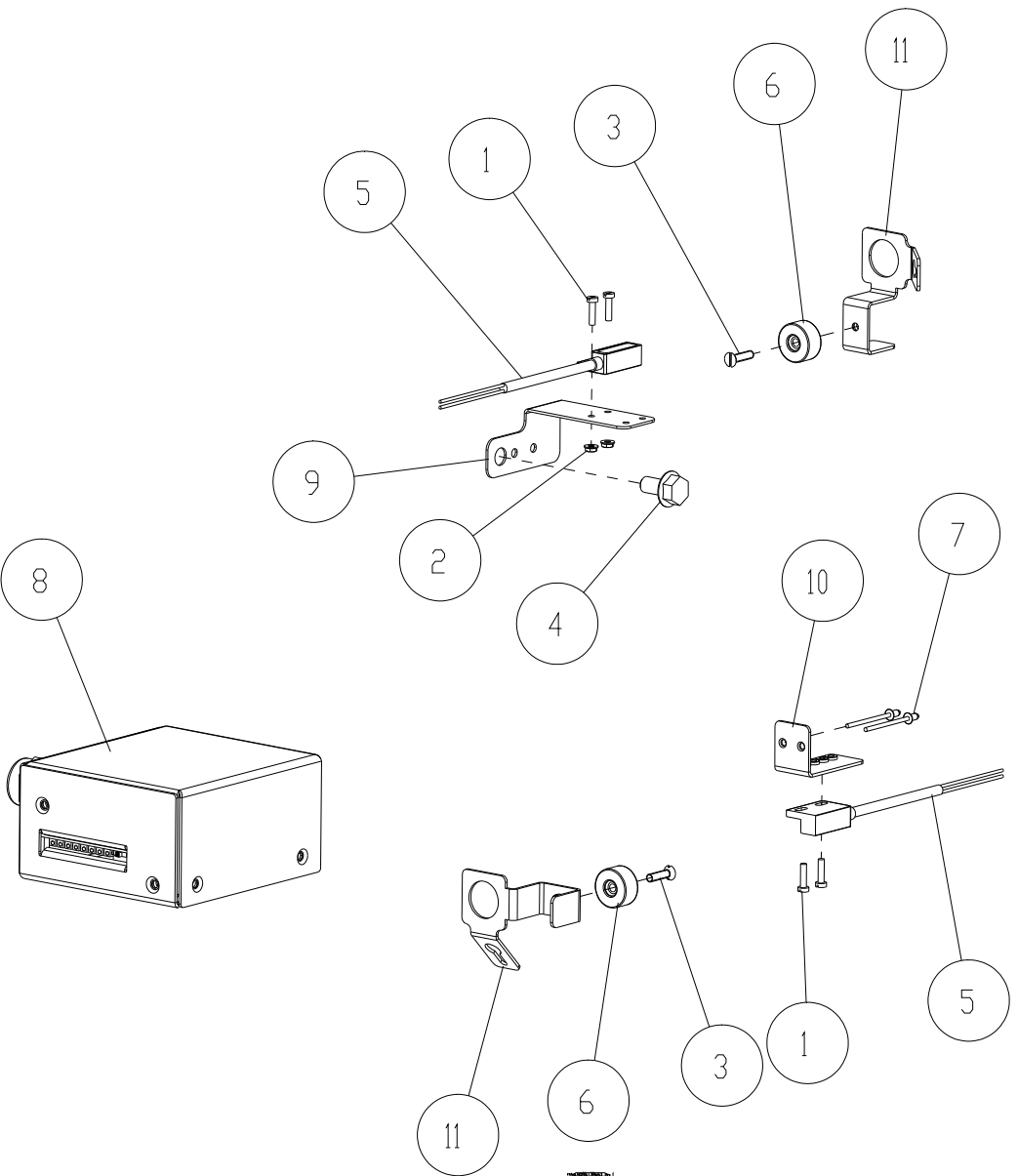
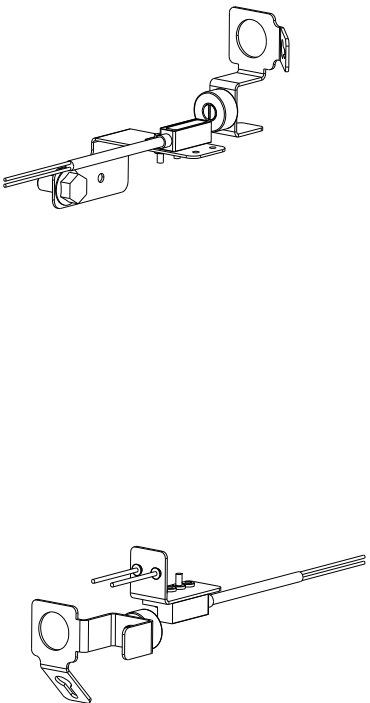


Front View



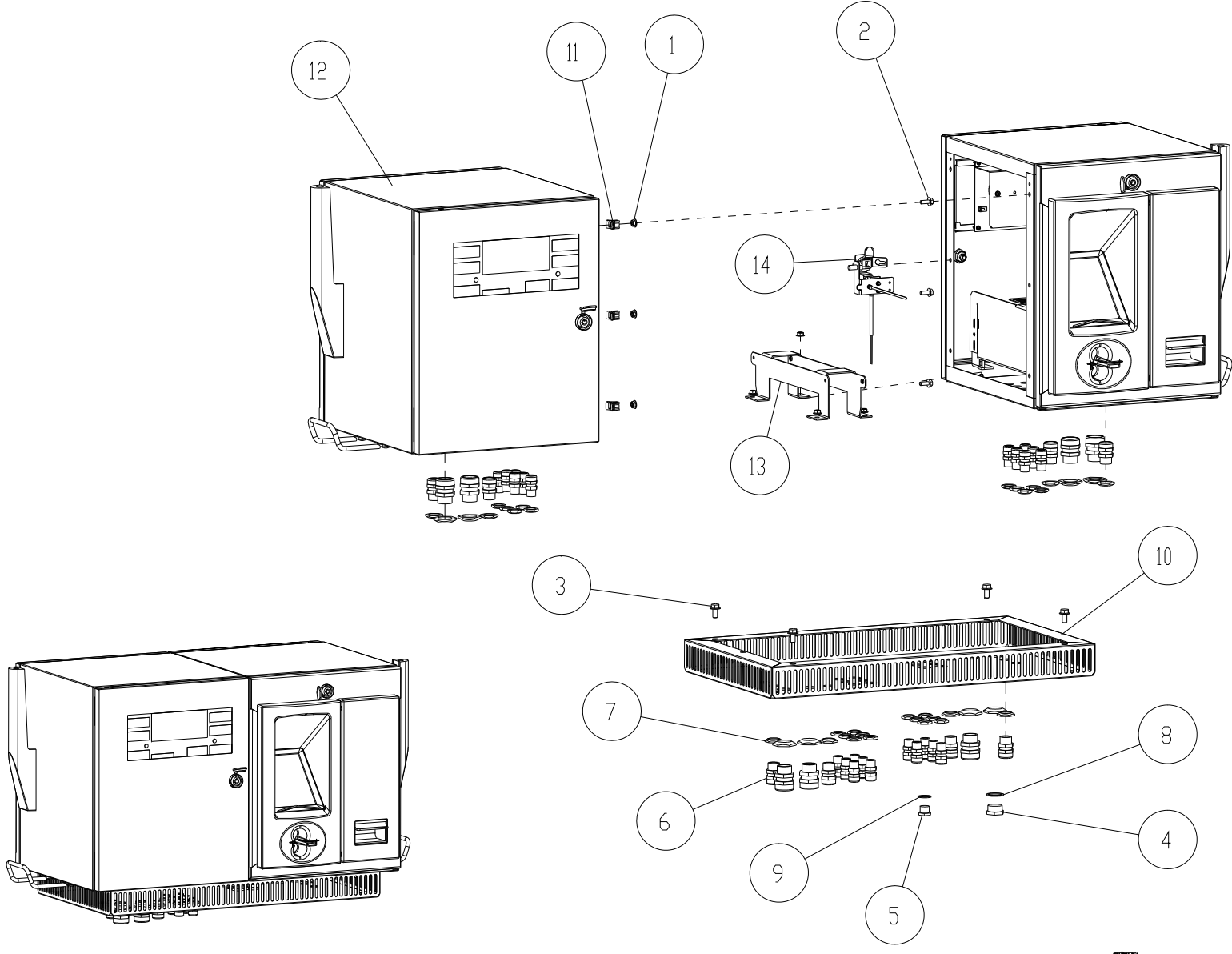
5.12 Protection Panel Push Button Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M3x30	Vis CS M3x30	900007-015	
2	Washer PI M3	Rondelle PI M3	900008-010	
3	Nut Hex Prev Torque M3	Ecrou Frein M3	900012-001	
4	Spacer 3.2x8x5	Entretoise Cyl 3.2x8x5	900024-011	
5	Button Black	Bouton Noir	948560-001	
6	Microswitch	Microrupteur Inverseur	902503-001	
7	Bracket Push Button	Support Bouton Poussoir	906783	
8	NNB Push Button	Protection Repose Buse	942605	
9	Narrow Nozzle Boot Panel	Habillage NNB	-	Refer to Cladding Assemblies



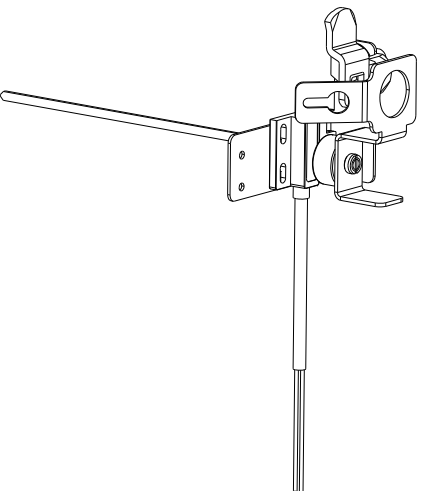
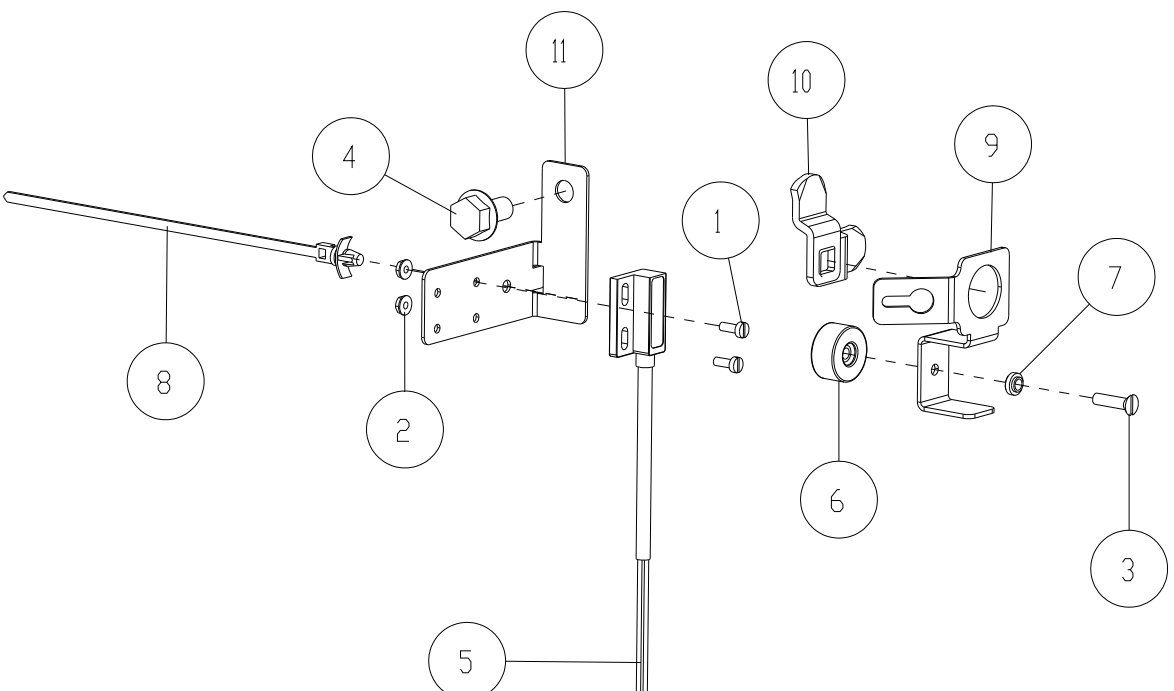
5.13 Anti-Fraud

Item No	Description	Désignation Français	Part No	Comments
1	Screw Slotted Cheese Head	Vis a Tete Cylindrique Fendue	900007-010	
2	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
3	Screw SCS M4x16	Vis FS M4x16	900014-007	
4	Screw HFHSL M8x16	Vis Hex Bride Autobloquant M8x16	900016-006	
5	Magnetic Proximity Switch	Contact Magnetique de Proximite	900387-001	
6	Magnet 20x4.4x10	Aimant 20x4.4x10	900757-001	
7	Rivet CS Open End 3.2x6	Rivet Fraise Ouvert 3.2x6	909586-001	
8	FPM Security Case	Boitier Securite	948365-001	
9	Programming Switch Bracket	Support du Switch de Programmation	949036	
	Programming Switch Bracket	Support du Switch de Programmation	949037	
10	Reed Switch Bracket R/H	Reed Switch Bracket R/H	949192	
11	Hydraulic Fraud Bracket	Hydraulic Fraud Bracket	949218	Used with 952863
	Anti-fraud Magnet Bracket	Anti-fraud Magnet Bracket	949355	Q510 only



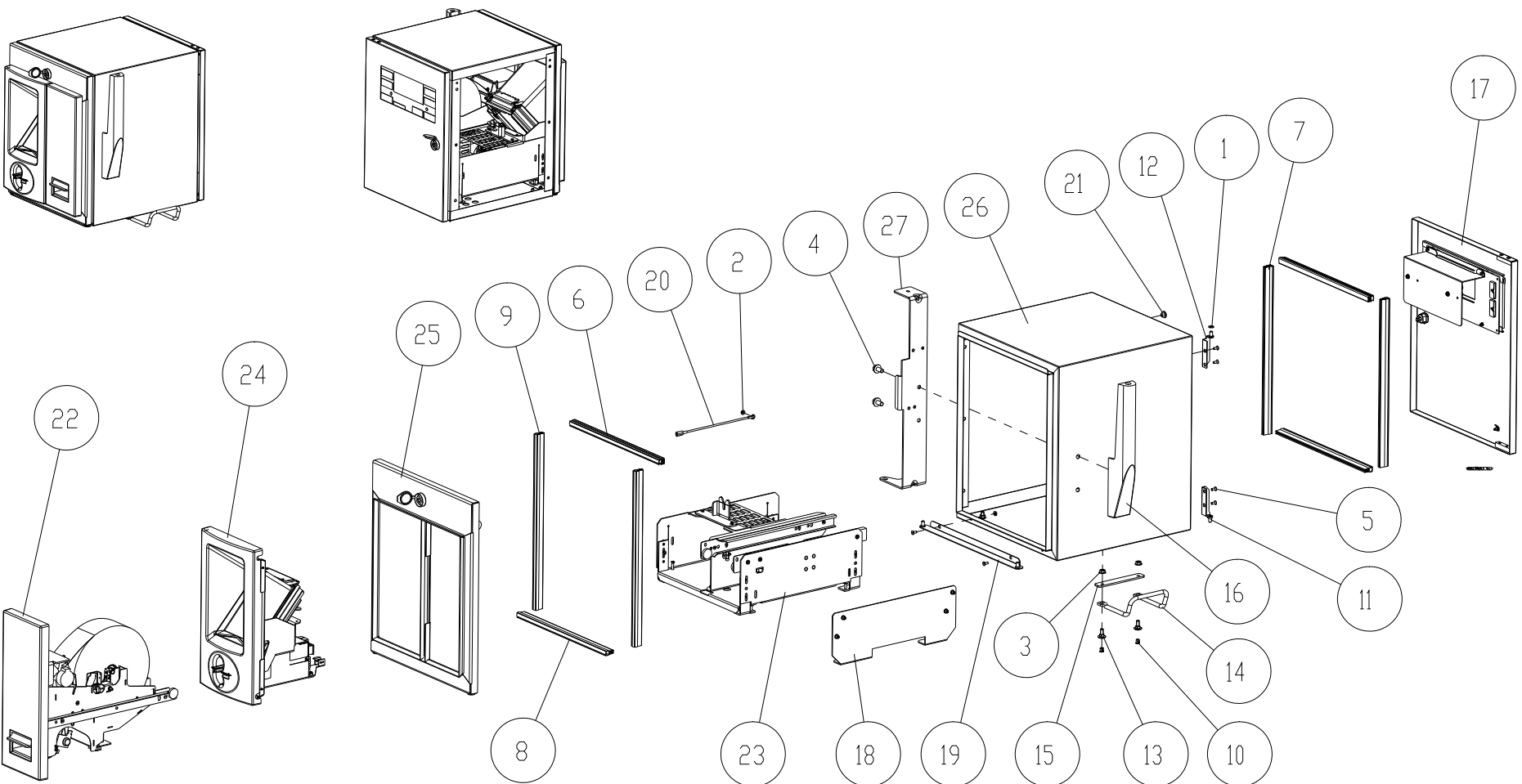
5.14 Q210 Calculator Head with OPT

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
2	Screw HFHSL M6x16	Vis Hex Br Autobloquant M6x16	900016-004	
3	Screw HFHSL M8x16	Vis Hex Br Autobloquant M8x16	900016-006	
4	Plug M25 x 1.5 EEXE/IP66	Bouchon PG M25 x 1.5 EEXE/IP66	900044-002	
5	Plug M16 x 1.5 EEXE/IP66	Bouchon PG M16 x 1.5 EEXE/IP66	900044-004	
6	Gland M16 x 1.5 EEXE/IP66	PE M16 x 1.5 EEXE/IP66	900044-004	
	Gland M20 x 1.5 EEXE II 8-13mm	PE M20 x 1.5 EEXE II 8-13mm	900064-001	
	Gland M25 x 1.5 EEXE II 13-19mm	PE M25 x 1.5 EEXE II 13-19mm	900065-001	
7	Nut Hex M16 x 1.5 (Bartec)	Ecrou Hex M16 x 1.5 (Bartec)	900088-005	
	Nut Hex M20 x 1.5 (Bartec)	Ecrou Hex M20 x 1.5 (Bartec)	900088-001	
	Nut Hex M25 x 1.5 (Bartec)	Ecrou Hex M25 x 1.5 (Bartec)	900088-002	
8	Washer Sealing 25x30x1.5	Rondelle Etanche 25x30x1.5	900101-002	
9	Washer Sealing 16x22x1.2	Rondelle Etanche 16x22x1.2	900101-006	
10	OPT Airgap SSt with Avdels	Airgap OPT Inox Asm	905457	
11	Base - Fixing Cable D15 - M6	Embase Collier D15 - M6	905918-001	
12	OPT Head Pre-assembled	Tête OPT Pré-assemblé	-	Refer to OPT Head Assembly
13	Central Mount Bracket Assy	Central Mount Bracket Assy	947071	
14	Anti-Fraud Assy	Anti-Fraude Assy	-	Refer to Anti-Fraud Assy



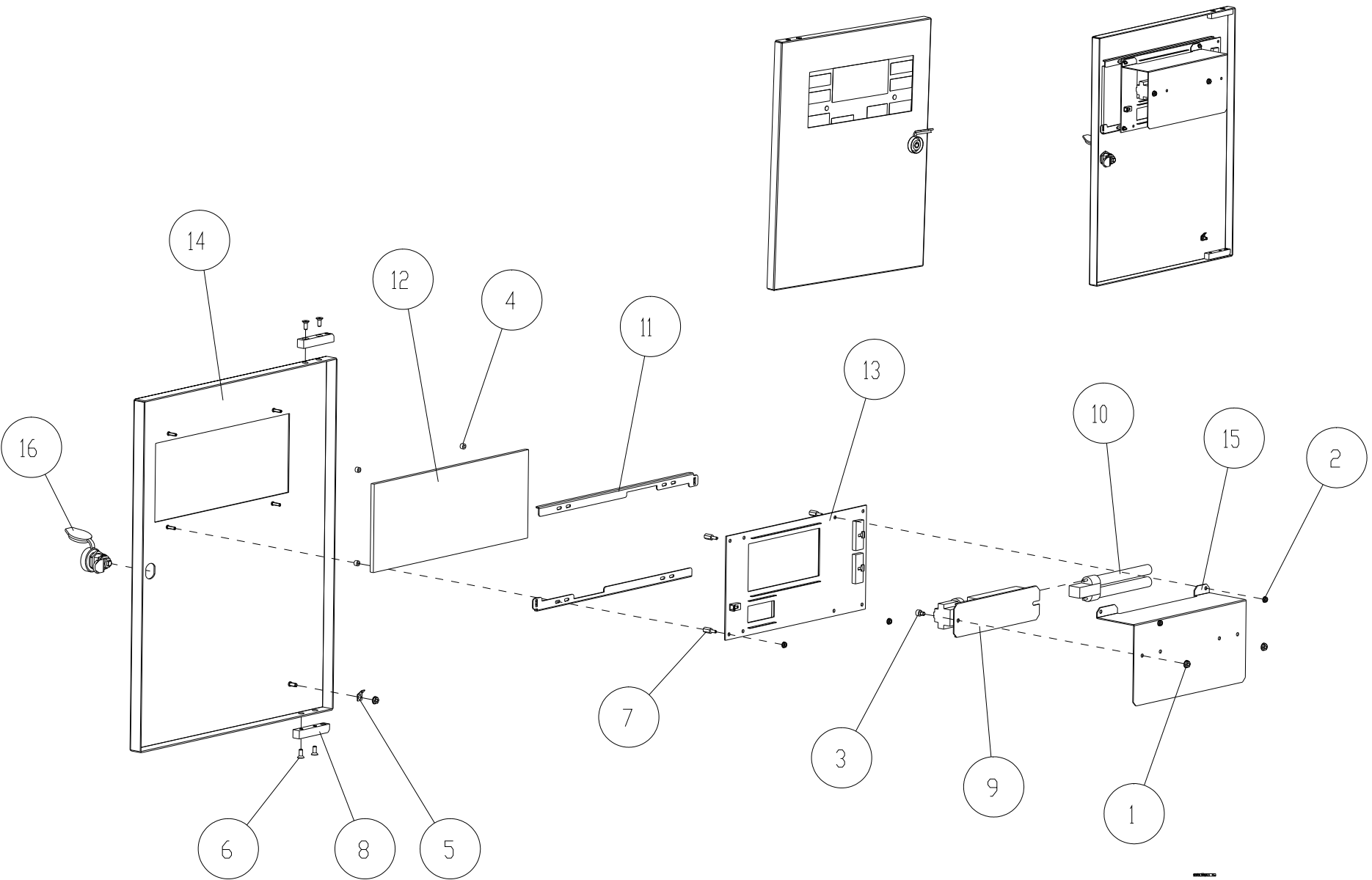
5.14.1 OPT ANTI FRAUD ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Screw SCH M3x8	Vis CS M3x8	900007-008	
2	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
3	Screw SCS M4x16	Vis FS M4x16	900014-007	
4	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
5	Magnetic proximity switch	Contact magnetiq.de proximité	900387-001	
6	Magnet 20x4,4x10	Aimant 20x4,4x10	900757-001	
7	Selfclinchng nut M4	Ecrou Serti M4	906830-002	
8	Cable Tie WIT-30RRA-4	Serre-câble WIT-30RRA-4	906966	
9	110/210 Hyd. Fraud brkt	110/210 Hyd. fraude brkt	949082	
10	Lock Cam DIT Door	Came De Serrure Porte DIT	949203	
11	Brkt Switch OPT Q210	Brkt commutateur OPT Q210	952889	



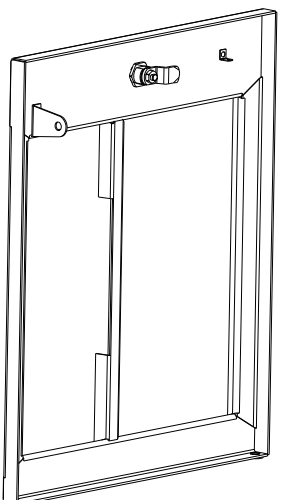
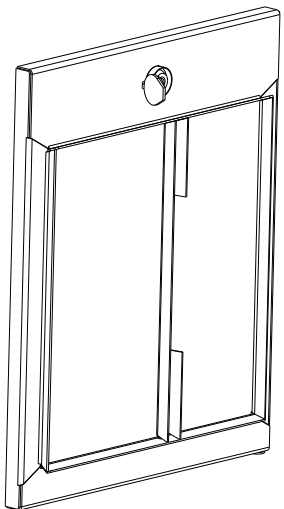
5.14.2 OPT HEAD ASSEMBLY

Item No	Description	Désignation Français	Part No	Comments
1	Washer 6x11x1	Rondelle 6x11x1	900008-026	
2	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
3	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
4	Screw HFHSL M8x16	Vis Hex Br Autobl M8x16	900016-006	
5	Screw HSC M4x10	Vis FHC M4x10	900643-002	
6	Seal EMKA 1011-06 Length 313mm	Joint tube EMKA 1011-06 Lg 313	900729-006	
7	Seal EMKA 1011-05 Length 373mm	Joint tube EMKA 1011-05 Lg 373	900730-012	
8	Seal EMKA 1011-05 Length 312mm	Joint tube EMKA 1011-05 Lg 312	900730-013	
9	Seal EMKA 1011-05 Length 391mm	Joint tube EMKA 1011-05 Lg 391	900730-014	
10	Plug Heyco D6.5	Bouchon Heyco D6.5	902330-002	
11	Hinge Bracket Low Assy	Equerre Basse Asm	903562	
12	Hinge Bracket High Assy	Equerre Haute Assemblée	903564	
13	Screw Round Head Square Bolts M6x16	Vis Tete Bombe av Collet Carre M6x16	903709-001	
14	Hook - Retaining Hose	Crochet Flexible	904127	
15	Hook Retaining Hose - Strengthener	Renfort Crochet Flexible	904134	
16	Spring Mast Bracket	Support Canne Flexible	904240	
17	Assy -OPT Dial with LCD Display	Portillon OPT Afficheur Equipé	-	Refer to OPT LCD Door Assembly
18	OPT Rails - Bracket Assy	Support Rails OPT Asm	905459	
19	OPT Dial - Bracket Assy	Support Portillon OPT Asm	905490	
20	Earth Cable for OPT Dial L=200	Câble Masse Port. OPT L=200	905930-001	
21	Gore Supra Vent	Gore Supra Vent	906628	
22	Printer Drawer Crypto Assembly	Printer Drawer Crypto Assemblée	909563	Refer to Crypto VGA Manual
23	CCT Bracket CVGA	CCT Bracket CVGA	943092	Refer to Crypto VGA Manual
24	Crypto VGA Assembly	Crypto VGA Assemblée	943269	Refer to Crypto VGA Manual
25	OPT Door Assembly	Assemblée OPT Door	-	Refer to OPT Door Assembly
26	Crypto VGA Head Sst Asm	Tête CVGA Inox Asm	946999	
27	Bkt TQC ST 210 Assy	Bkt TQC ST 210 Assy	952364	

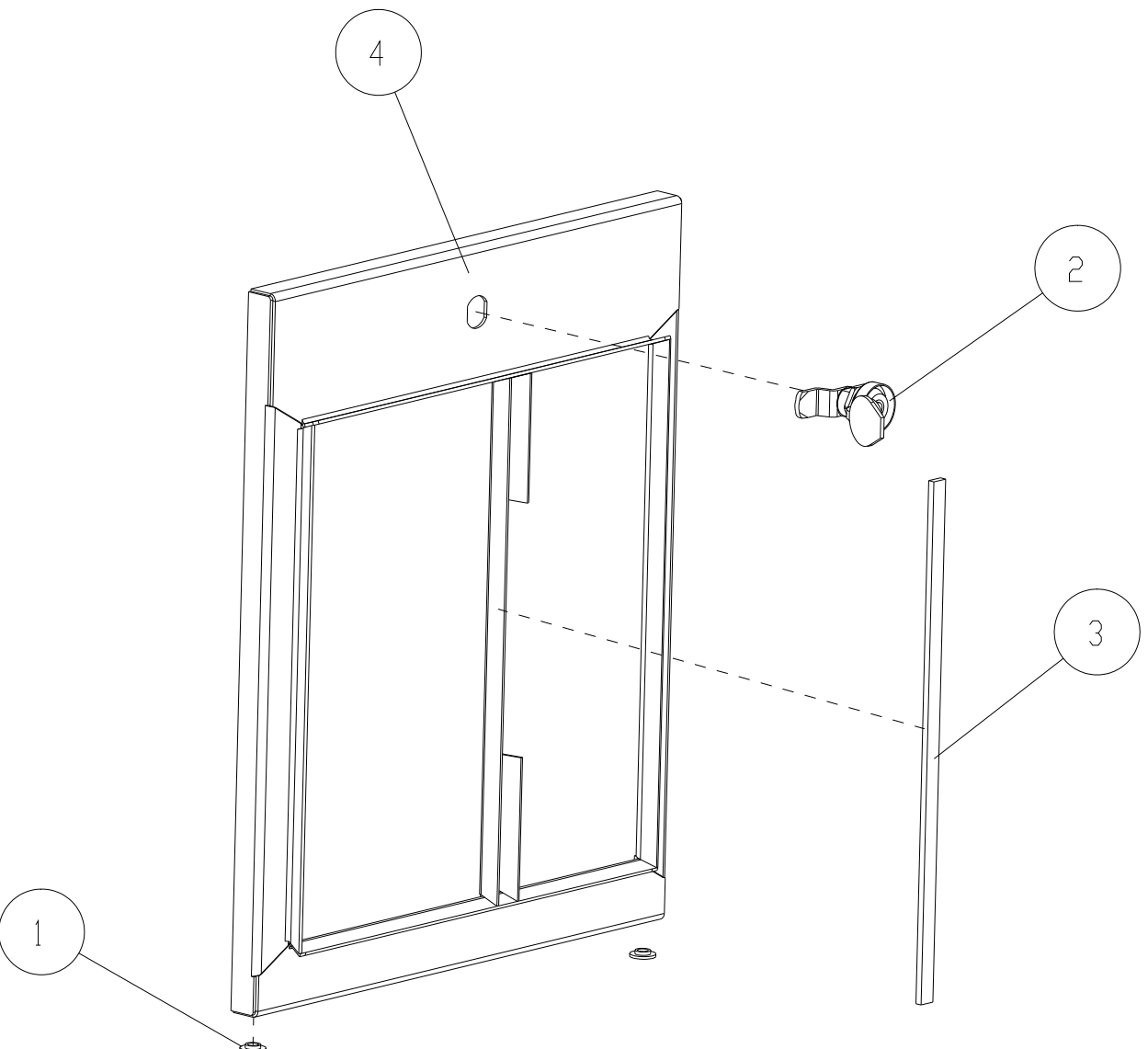


5.14.3 OPT DOOR WITH LCD DISPLAY

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
3	Screw HSHC M4x6	Vis CHC M4x6	900017-015	
4	Spacer 3.1x6x4	Entretoise Cyl 3.1x6x4	900024-009	
5	Ground Tag M5, 1/4" Fast-on	Tag Sol M5, 1/4" Rapide	900353	
6	Screw HSC M4x10	Vis FHC M4x10	900643-002	
7	Spacer Thr Hex MF M3x10x8x8	Entretoise Hex MF M3x10x8x8	900711-013	
8	Hingebar Brass	Gond Porte Colonne	900733	
9	Ballast Socket Integrated	Ballast Douille Intégré	900738	
10	Lamp Fluorescent ORYX 7 W	Tube Fluo ORYX 7W	900740	
11	LCD Glass-Bracket	Support Glace LCD	903697	
12	Glass LCD Screen Printing White	Glacé LCD Sérigraphiée Blanche	904153	
13	Cust Sales Display LCD	Afficheur Prix de Vente LCD	904788	No Integrated Backlight
	Cust Sales Display LCD	Afficheur Prix de Vente LCD	909692	Integrated Backlight
	Cust Sales Display LCD	Afficheur Prix de Vente LCD	941828	Germany Non-MID Sealing Option
14	OPT dial LCD disp. welded ACP	Portillon OPT affich soudé ACP	957881	
15	Reflector for LCD Backlight	Parabole de Rétro-éclairage	905483	
16	Lock Assy	Serrure Porte Asm	-	Refer to Lock Assembly



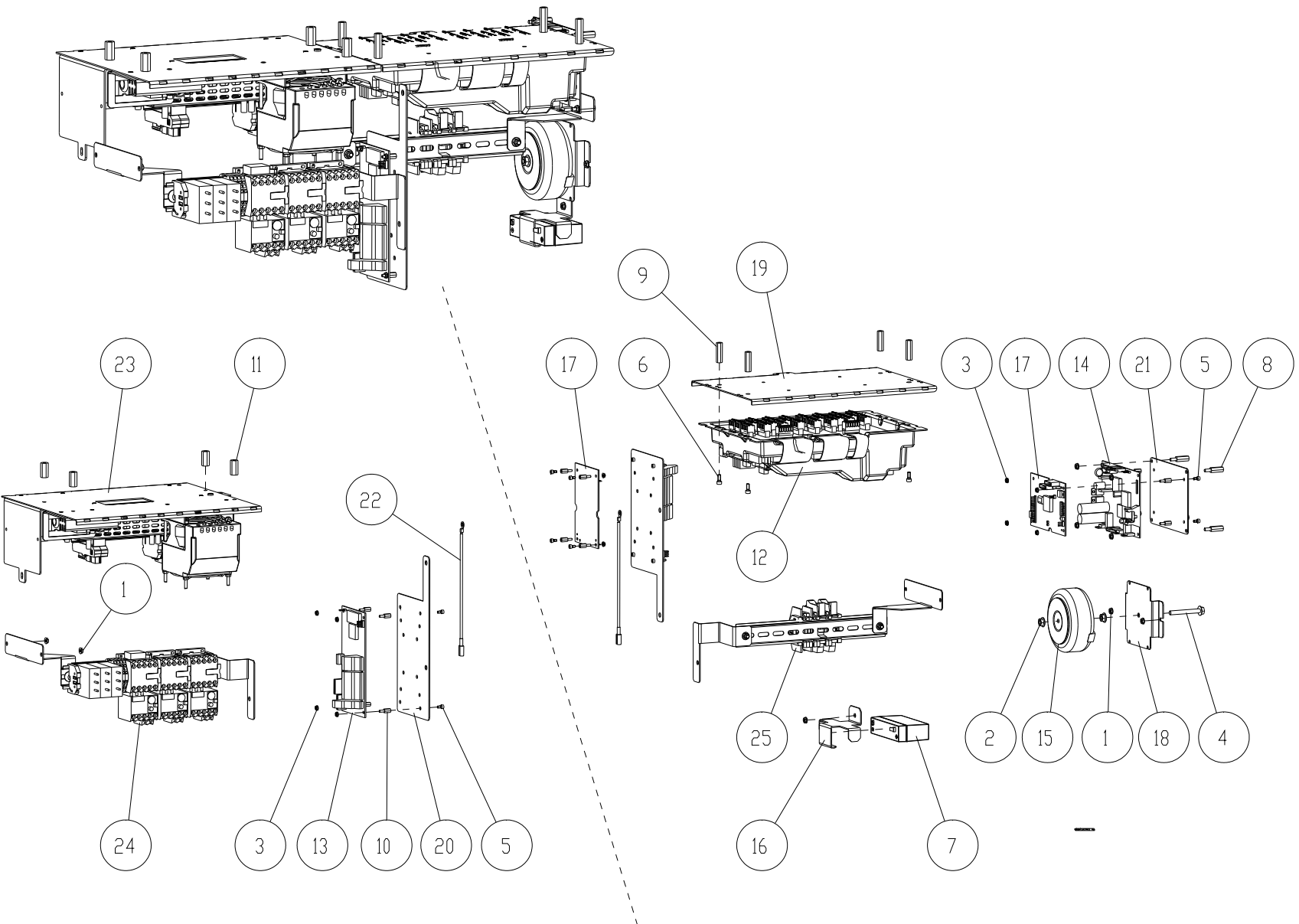
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5.14.4 OPT DOOR ASSEMBLY

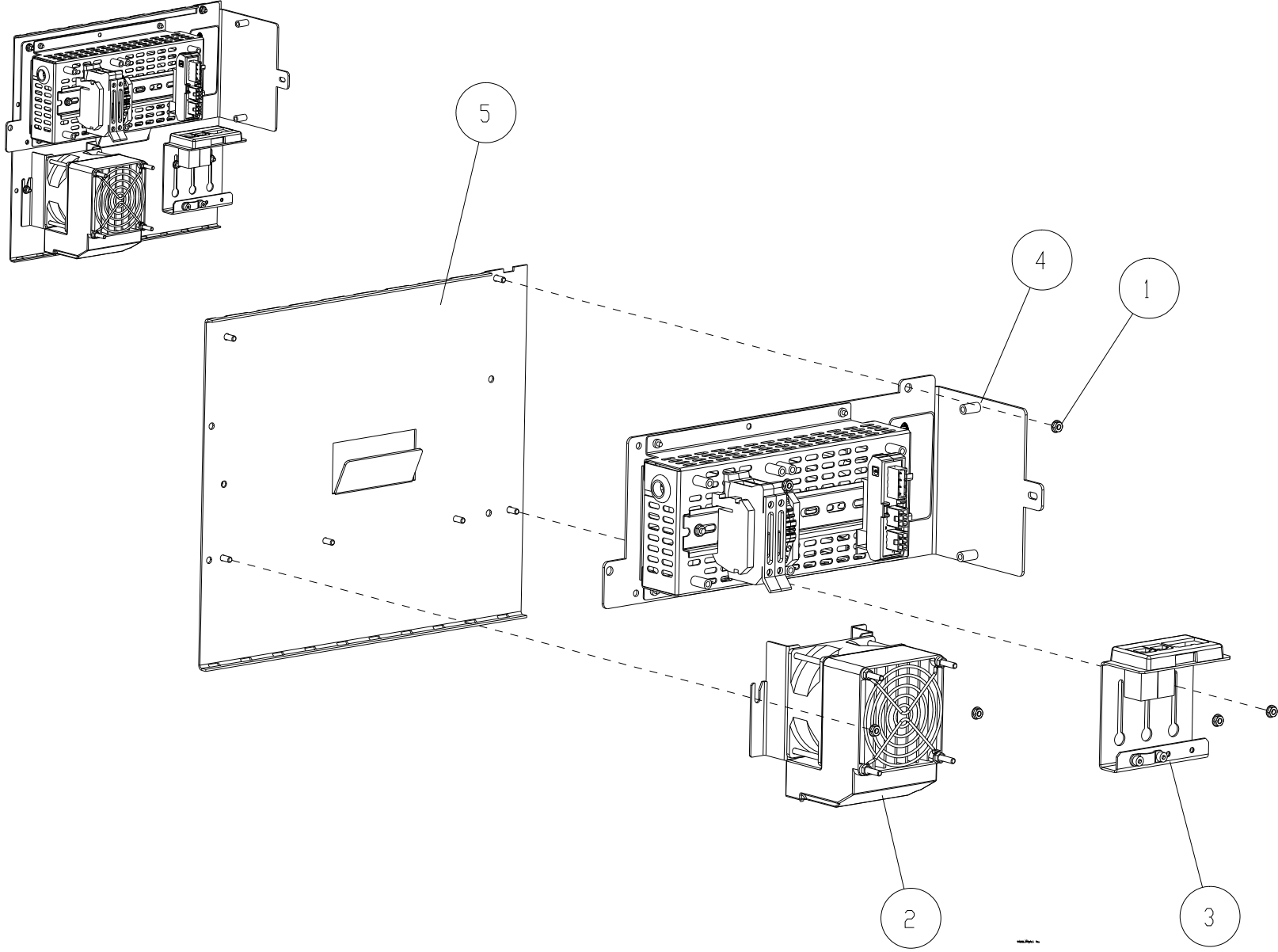
Item No	Description	Désignation Français	Part No	Comments
1	Insulation Sleeve 6.2 mm	Manchon Isolant 6.2 mm	900758-002	
2	Lock Door Q200T Assy	Serrure Porte Q200T Asm	908870	
3	Door Seal Straight	Porte Seal Straight	940000	
4	Door 200T Weld Assy CVGA	Porte 200T Weld CVGA Assy	946567	





5.14.5 OPT HEAD ELECTRONICS

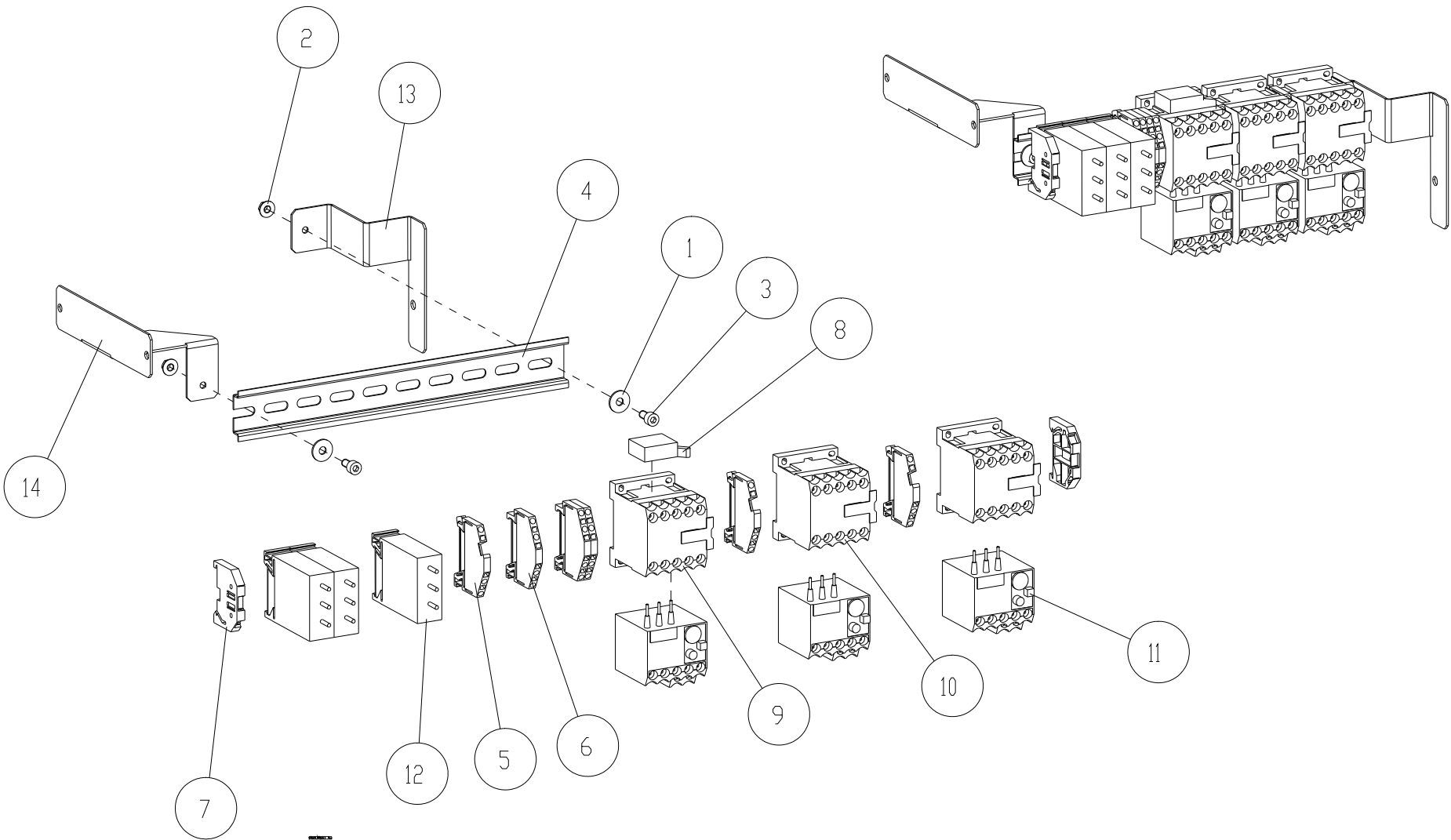
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	Nut Hex Self Lock M6	Ecrou Bride Autobloquant M6	900013-003	
3	Nut Hex Self Lock M3	Ecrou Bride Autobloquant M3	900013-006	
4	Screw HFHSL M6x50	Vis Hex Br Autobl M6x50	900016-005	
5	Screw HSHC M3x6	Vis CHC M3x6	900017-016	
6	Screw HSHC M4x10	Vis CHC M4x10	900017-022	
7	Battery 6V 1.2 Ah	Batterie 6V 1.2 Ah	900075-001	
8	Spacer Thr Hex MF M4x20x10x10	Entretoise Hex MF M4x20x10x10	900711-007	
9	Spacer Thr Hex FF M4x30x10x10	Entretoise Hex FF M4x30x10x10	900711-012	
10	Spacer Thr Hex MF M3x10x8x8	Entretoise Hex MF M3x10x8x8	900711-013	
11	Spacer Thr Hex FF M4x22x11	Entretoise Hex FF M4x22x11	900711-014	
12	WWC251 Cover Asm Gen W&M Sealed	WWC251 Couvrir Asm Gen W&M Cache	-	Refer to WWC T1 Mainboard Asm
13	HOM (Hydraulic Option Module)	Module Hydraulique D'Option	901539	
14	ECVR Board	ECVR Monte	901540	
15	Toroidal Power Transformer	Toroidal Transformateur	901541	
16	Bracket Battery Calculator	Encadrer Calc de Batterie	901545	
17	User Access Module IR	Utilisateur Accede le Module	901565	
18	Transformer Bracket	Support Transformateur	903605	
19	Calculator Bracket	Support Calculateur	903606	
20	Bracket for HOM or IR Board	Support Carte HOM ou IR	905912	
21	Bracket for IR Board	Support Carte IR	905913	
22	Earth Cable for OPT Dial L=200	Câble Masse Port. OPT L=200	905930-001	
23	PSU/heater CVGA 200T Asm	PSU/heater CVGA 200T Asm	-	Refer to CVGA PSU/Heater Asm
24	Terminal - Power	Bornier Force	-	Refer to OPT Head Mains Rail Asm
25	Terminal - Power CVGA	Bornier Alimentation Locale	-	Refer to CVGA Power Terminal Asm



5.14.6 OPT HEAD CRYPTO PSU/HEATER ASSEMBLY

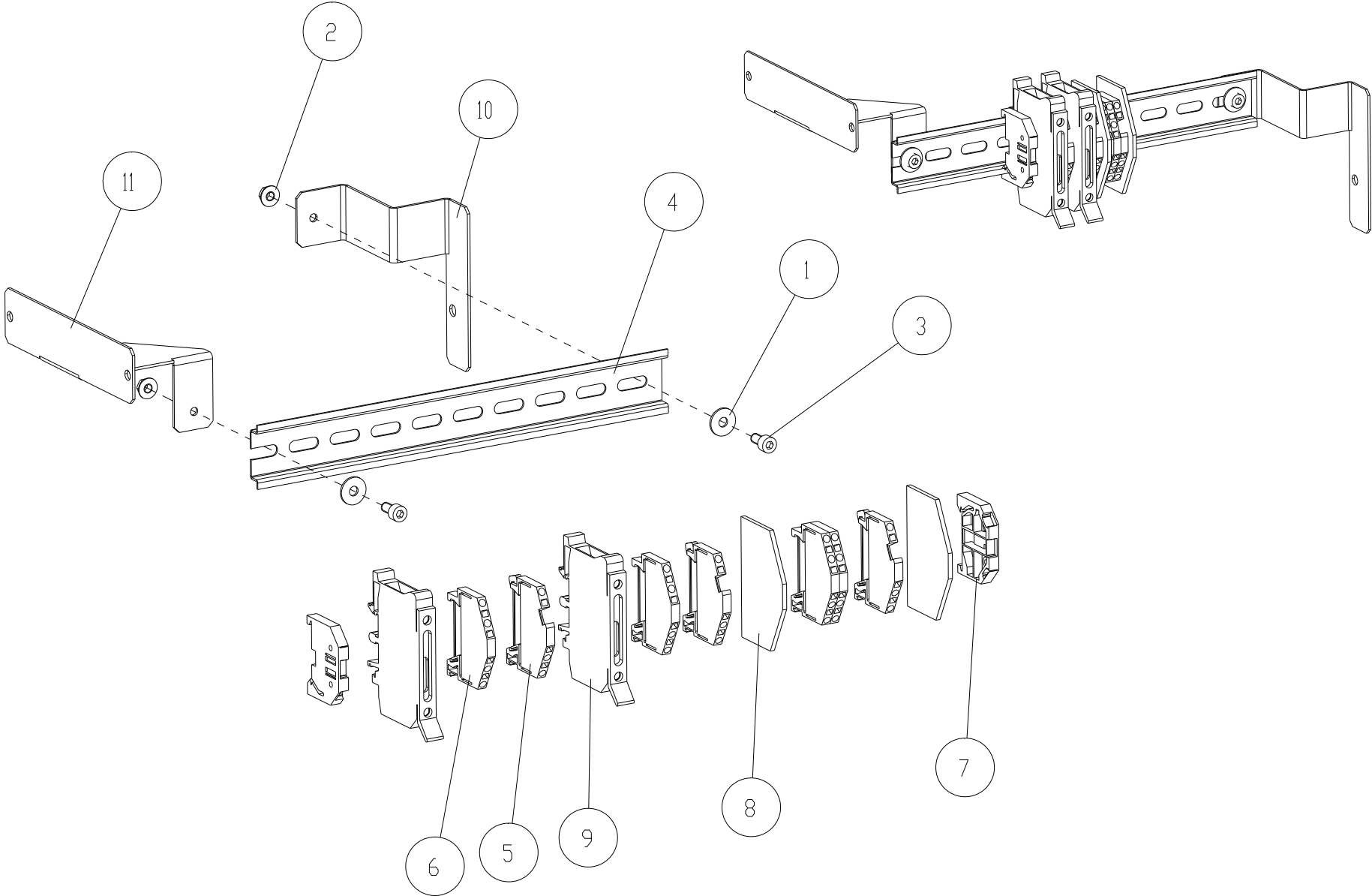
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M4	Ecrou Bride Autobloquant M4	900013-001	
2	DBK Heater 350W	Chauffage DBK 350W	909214-001	
3	Panduit 2 x CAT5 Assy	Panduit 2 x CAT5 Assy	942688-002	
4	CVGA PSU Assy	CVGA PSU Assy	945494	
5	Base Plate PSU	Base Plate PSU	946585	





5.14.7 OPT HEAD MAINS RAIL

Item No	Description	Désignation Français	Part No	Comments
1	Washer PI d2=3xd1 M5	Rondelle PI d2=3xd1 M5	900008-008	
2	Nut Hex Self Lock M5	Ecrou Bride Autobloquant M5	900013-002	
3	Screw HSHC M5x10	Vis CHC M5x10	900017-013	
4	Rail TS 35 L=250	Rail de Bornier TS 35 L=250	901432-008	
5	Clamps 3 ways 2.5QMM Green	Borne 3 voies 2.5QMM Vert	901710-001	
6	Clamps 4 ways 2.5QMM Grey	Borne 4 voies 2.5 QMM Grise	901711-001	
7	Endstop Grey 35mm 249-116	Butée arrêt Grise 35mm 249-116	901712-001	
8	Protection Set RC-DIL E 250	Module Protection RC-DIL E 250	903613-001	
9	Relay DIL EM 10 230V Moeller	Cont DIL EM 10 230V Moeller	903614-001	
10	Relay DIL EM 10 24V Moeller	Cont DIL EM 10 24V Moeller	903614-002	
11	Thermal Protect 0-2.4 ZE 2.4	Relais Thermiq 0-2.4 ZE 2.4	903615-001	
12	RC Filter Delta 440VAC	Anti-parasite 440VAC	905199	
13	Rail Bracket Right	Rail Bracket Right	946587	
14	Rail Bracket Left	Rail Bracket Left	946588	



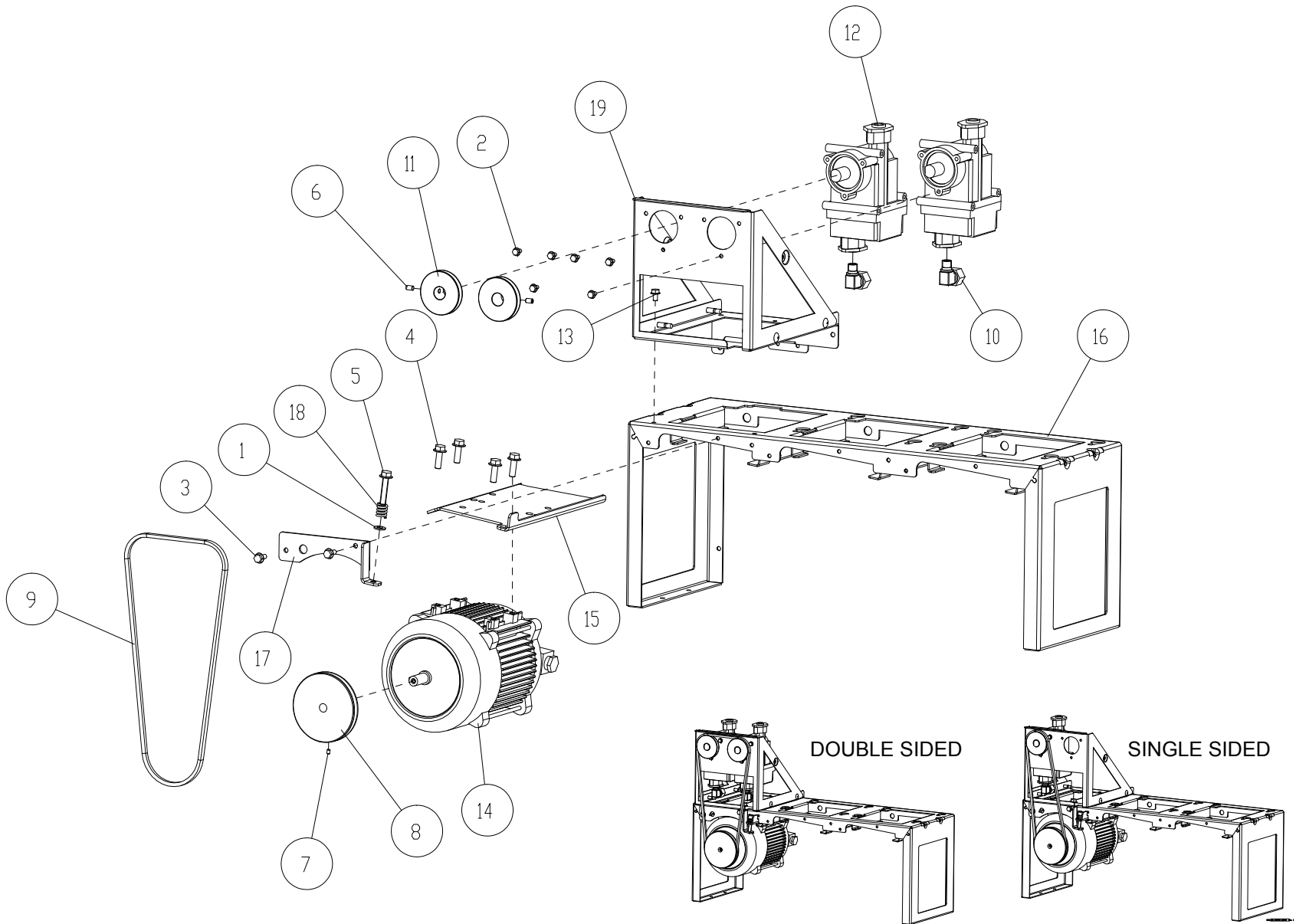
5.14.8 OPT HEAD CRYPTO VGA POWER RAIL

Item No	Description	Désignation Français	Part No	Comments
1	Washer PI d2=3xd1 M5	Rondelle PI d2=3xd1 M5	900008-008	
2	Nut Hex Self Lock M5	Ecrou Bride Autobloquant M5	900013-002	
3	Screw HSHC M5x10	Vis CHC M5x10	900017-013	
4	Rail TS 35 L=250	Rail de Bornier TS 35 L=250	901432-008	
5	Clamps 3 ways 2.5QMM Green	Borne 3 voies 2.5QMM Vert/Jaune	901710-001	
6	Clamps 4 ways 2.5QMM Grey	Borne 4 voies 2.5 QMM Grise	901711-001	
7	Endstop Grey 35mm 249-116	Butée arrêt Grise 35mm 249-116	901712-001	
8	Separation Plate OG, 280-318	Plaque Séparation OG, 280-318	901854-001	
9	Fuse Holder for 6.3x32 Fuse	Porte Fusible Section 6.3x32	903482	
10	Rail Bracket Right	Rail Bracket Right	946587	
11	Rail Bracket Left	Rail Bracket Left	946588	



CONTENTS

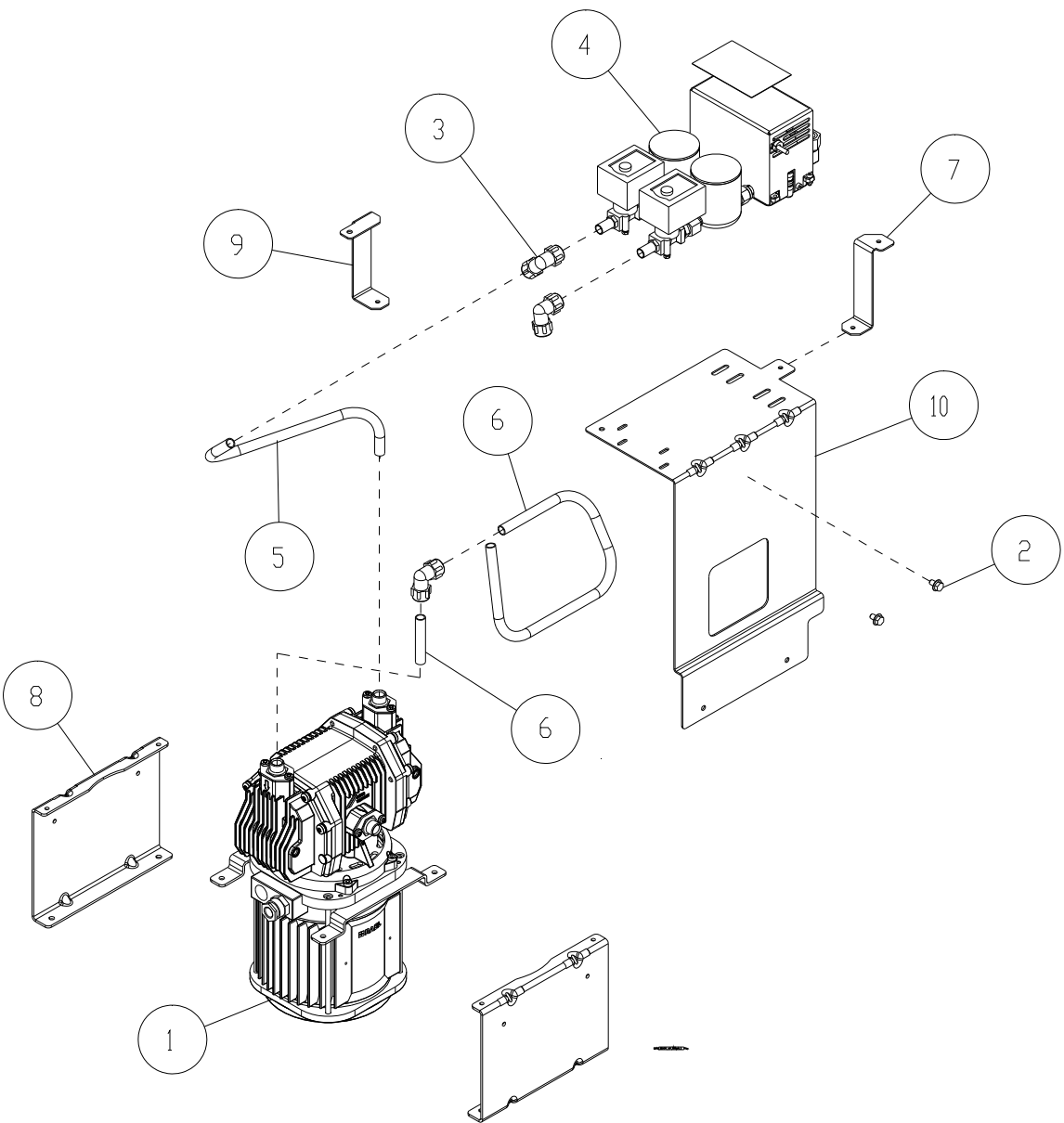
6	VAPOUR RECOVERY	6-2
6.1	VR Pump & Motor Assembly	6-2
6.2	VR Boxer Pump	6-4
6.3	VFM Assembly	6-6
6.4	Q110 GRVP Assemblies	6-8
6.4.1	Q110 GRVP Assembly - Manufactured Before July 2013	6-8
6.4.2	Q110 GRVP Assembly - Manufactured After June 2013	6-10
6.5	Q210 GRVP Assembly	6-12
6.5.1	Q210 GRVP Assembly - Manufactured Before July 2013	6-12
6.5.2	Q210 GRVP Assembly - Manufactured After June 2013	6-14
6.6	Q210 ECVR Open Loop Assembly	6-16
6.6.1	Q210 ECVR Open Loop Assembly - Manufactured Before July 2013	6-16
6.6.2	Q210 ECVR Open Loop Assembly - Manufactured After June 2013	6-18
6.7	Q210 EVCR Self Calibration System (Closed Loop) Assembly	6-20
6.7.1	Q210 EVCR Self Calibration System (Closed Loop) Assembly - Manufactured Before July 2013	6-20
6.7.2	Q210 EVCR Self Calibration System (Closed Loop) Assembly - Manufactured After June 2013	6-22
6.8	VFM Assemblies	6-24
6.8.1	VFM Assembly - Manufactured Before November 2010	6-24
6.8.2	VFM Assembly - Manufactured After October 2010	6-26
6.9	Standard Vapour Return Line	6-28
6.10	Vapour Return Line With Shear Valve	6-30
6.11	VR Shear Valve Assemblies	6-32
6.11.1	Ethanol Shear Valve	6-32
6.11.2	Risbridger Shear Valve	6-34
6.11.3	UK Risbridger Shear Valve	6-36



6 VAPOUR RECOVERY

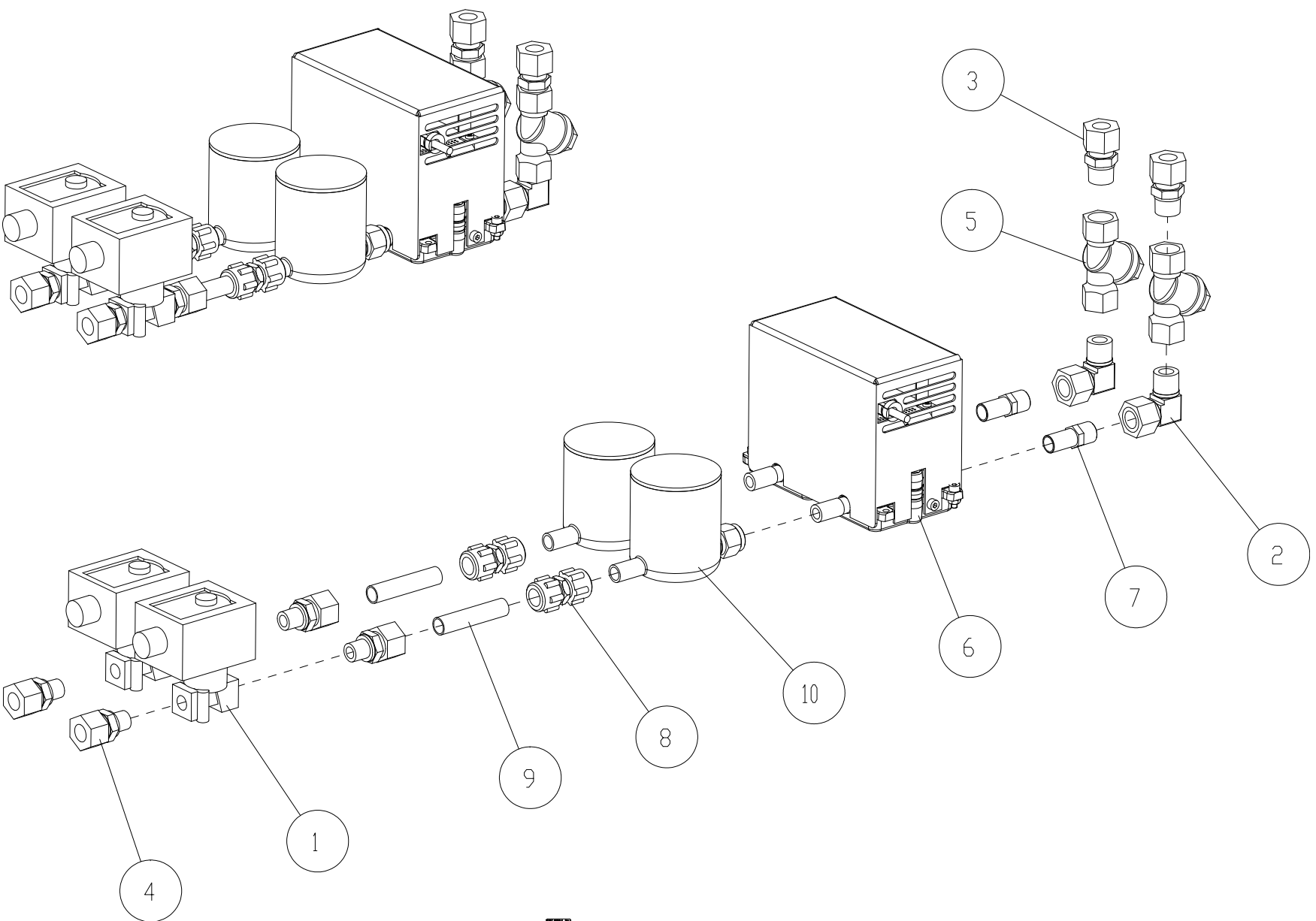
6.1 VR Pump & Motor Assembly

Item No	Description	Désignation Français	Part No	Comments
1	Washer PI M8	Rondelle PI M8	900008-005	
2	Screw HFHSL M5x10	Vis Hex Br Autobl M5x10	900016-001	
3	Screw HFHSL M6x16	Vis Hex Br Autobl M6x16	900016-004	
4	Screw HFHSL M8x25	Vis Bride Hex Autobloq M8x25	900016-007	
5	Screw HFHSL M8x40	Vis Hex Br Autobl M8x40	900016-019	
6	Screw HSS Cup Point M6x10	Vis HCCU M6x10	900019-001	
7	Screw HSS Cup Point M4x6	Vis HCCU M4x6	900019-002	
8	Pulley V-Belt VR Pump Pulley VR Motor 60Hz Dia 82	Poulie Gor Courr Trap VR Pompe Poulie Moteur RV 60Hz Dp=82	900027 906428	Single Phase 60Hz only
9	V-Belt 8 x 5 x 889 LP V-Belt 8 x 5 x 800 LP	Courroie 8 x 5 x 889 LP Courroie 8 x 5 x 800 LP	900028-019 900028-018	Double-sided Single-sided
10	Elbow Compr 1/4" BSPM 12mm	EQ-PIQ-M12-1/4	900031-001	
11	Pulley VR Pump Dm 61mm	Poulie Pompe GR Dm 61mm	900293	
12	Durr Pump MEX 0831-11/600	Pompe Durr MEX 0831-11/600	900295	
13	Screw HFHTF M6x10	Vis Hex. Taraudeuse M6x10	900708-001	
14	Motor EXD 0.37kW 230V 50Hz Motor EXD 1ph 60Hz 0.37kW Motor 0.25kW 3PH Star 400V 180 Motor 0.37kW 3PH Star 400V 180 Motor Dam 0.37kW 3ph 400V 180° Motor 0.25kW 3PH Delta 230V 180 Motor 0.37kW 3PH Delta 230V 180	Moteur EXD 0.37kW 230V 50Hz Moteur EXD 1ph 60Hz 0.37kW Moteur EEXD 0.25kw Star 400V Moteur 0.37kW 3PH Star 400V 180 Mot. Dam. 0.37kW 3ph 400V 180° Moteur 0.25kW 3PH Delt 230V 180 Moteur 0.37kW 3PH Delt 230V 180	900060-021 900060-022 949913-004 949913-005 908400-005 949913-007 949913-009	Single ph 50hz (Open loop & SCS) Single ph 60hz (Open loop & SCS) 3 Phase Star Open Loop 3 Phase star SCS 3 Phase star SCS 3 phase Delta Open Loop 3 phase Delta SCS
15	Bracket Motor NEO	Support Moteur, NEO	944304	
16	Pump Bracket Q210 Pump Bracket Q110	Support de Pompe Q210 Support de Pompe Q110	946347 946818	Q210 only Q110 only
17	Motor Retention Bracket	Motor Retention Bracket	946348	
18	Compression Spring Stl st	Compression Spring Stl st	946875	
19	Q210 VR Bracket Asm	Q210 VR Bracket Asm	957737	



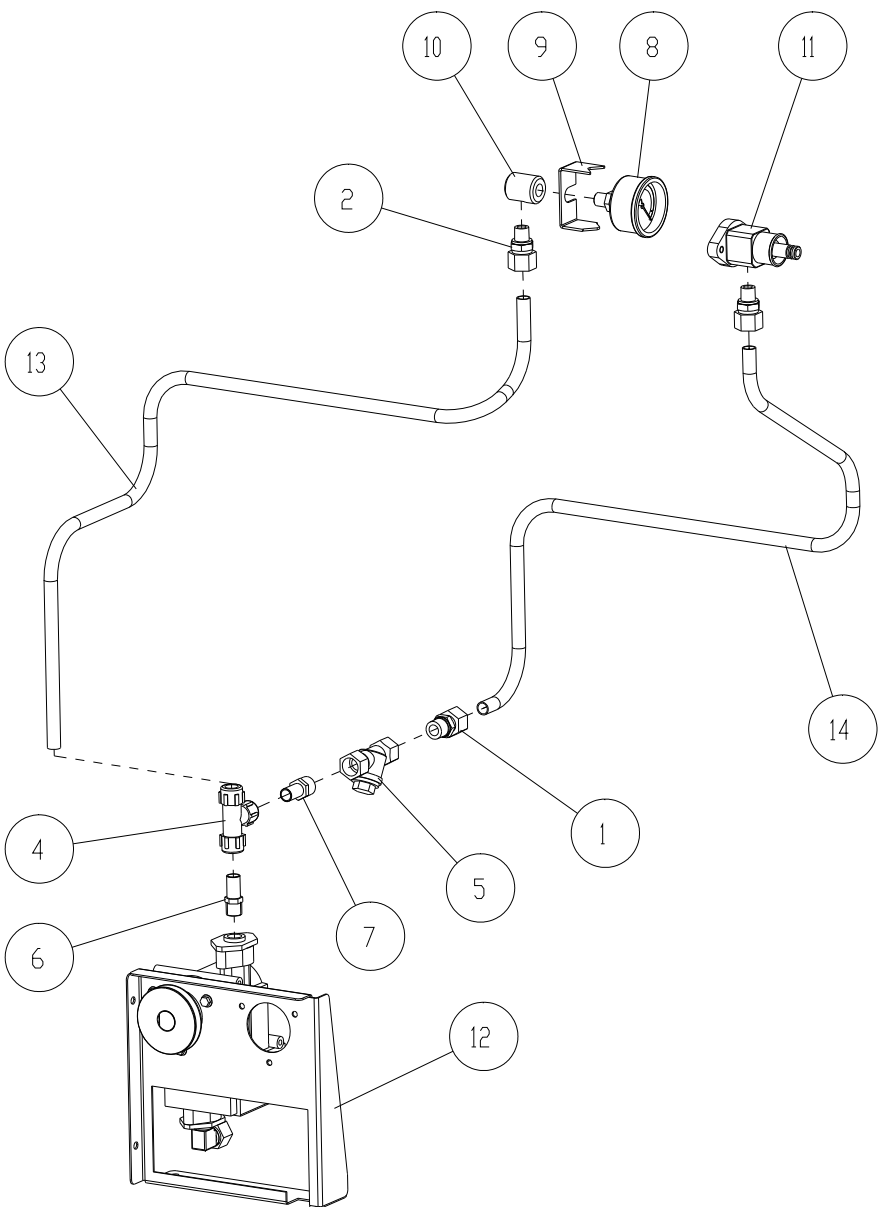
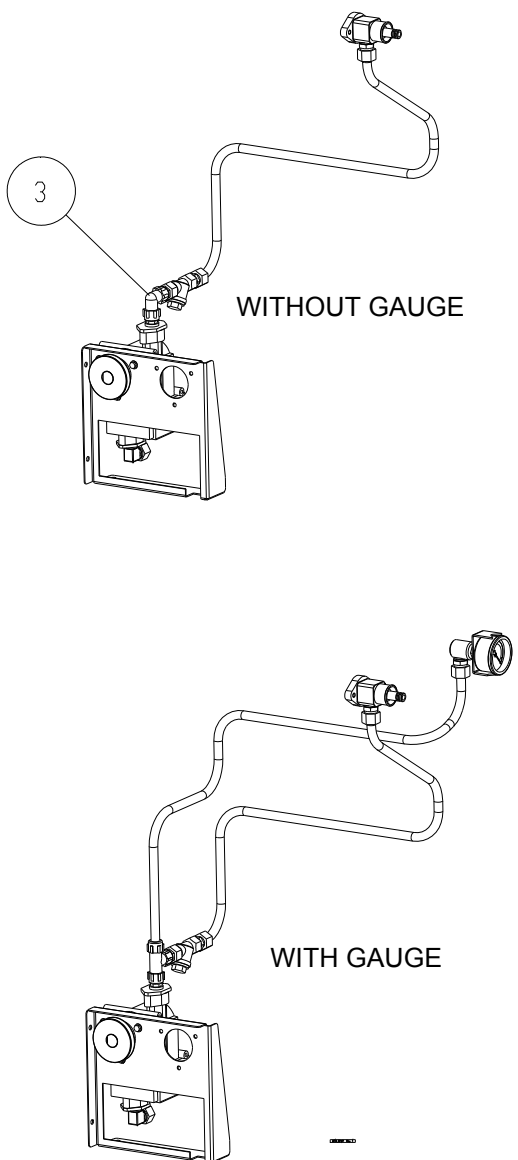
6.2 VR Boxer Pump

Item No	Description	Désignation Français	Part No	Comments
1	0685_elnor_motor 0685100102_rael_1ph	0685_elnor_motor 0685100102_rael_1ph	- -	
2	Screw HFHSL M6x10	Vis Bride Hex Autobloq M6x10	900016-003	
3	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	
4	VFM Assembly	VFM Assembly	-	Refer to VFM Assembly
5	Boxer VR Pipe	Boxer VR Pipe	952913	
6	Boxer VR Pipe	Boxer VR Pipe	952914	
7	Boxer Bkt Support Back-Q210	Boxer Bkt Support Back-Q211	979110	
8	Bracket Boxer Support - Q210	Bracket Boxer Support - Q211	979111	
9	Boxer Bkt Support Front-Q210	Boxer Bkt Support Front-Q211	979112	
10	Bkt Valve Support Boxer-Q210	Bkt Valve Support Boxer-Q211	979114	



6.3 VFM Assembly

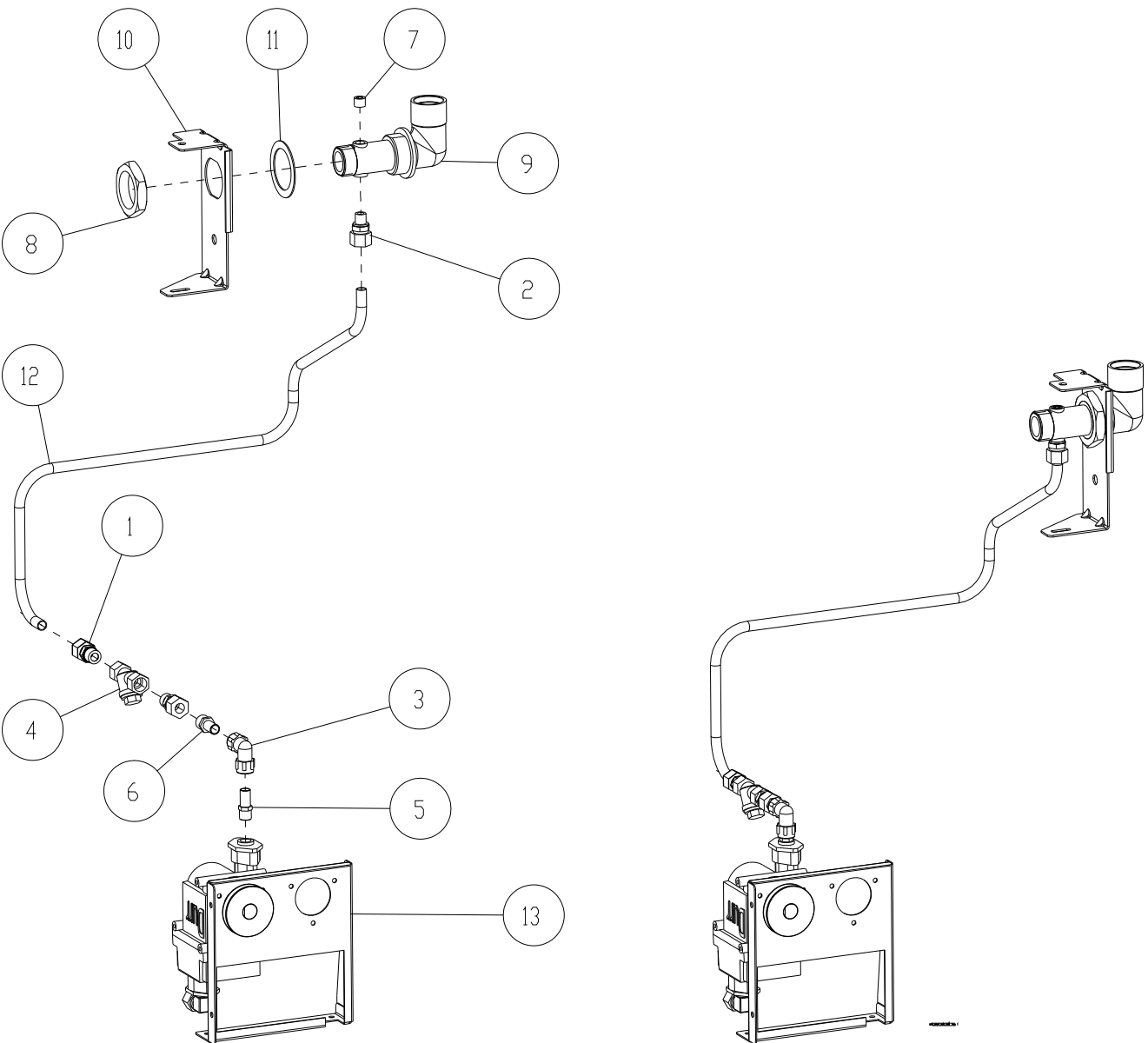
Item No	Description	Désignation Français	Part No	Comments
1	Proport Valve ECVR	Soupape Proport ECVR	900029-001	
2	Elbow Compr 3/8" BSPM 12mm	EQ-PIQ-M12-3/8	900031-002	
3	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-001	
4	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
5	VR Filter	VR Filtre	900037	
6	VFM 2	VFM - 2	900452	
7	Adaptor Dia 12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
8	Coupling Straight 12x12mm	Raccord Double égal 12x12mm	903084-001	
9	Pipe - VR SCS	Tube - VR SCS	905837	
10	Vessel Assembly	Asm Recipient	944352	



6.4 Q110 GRVP Assemblies

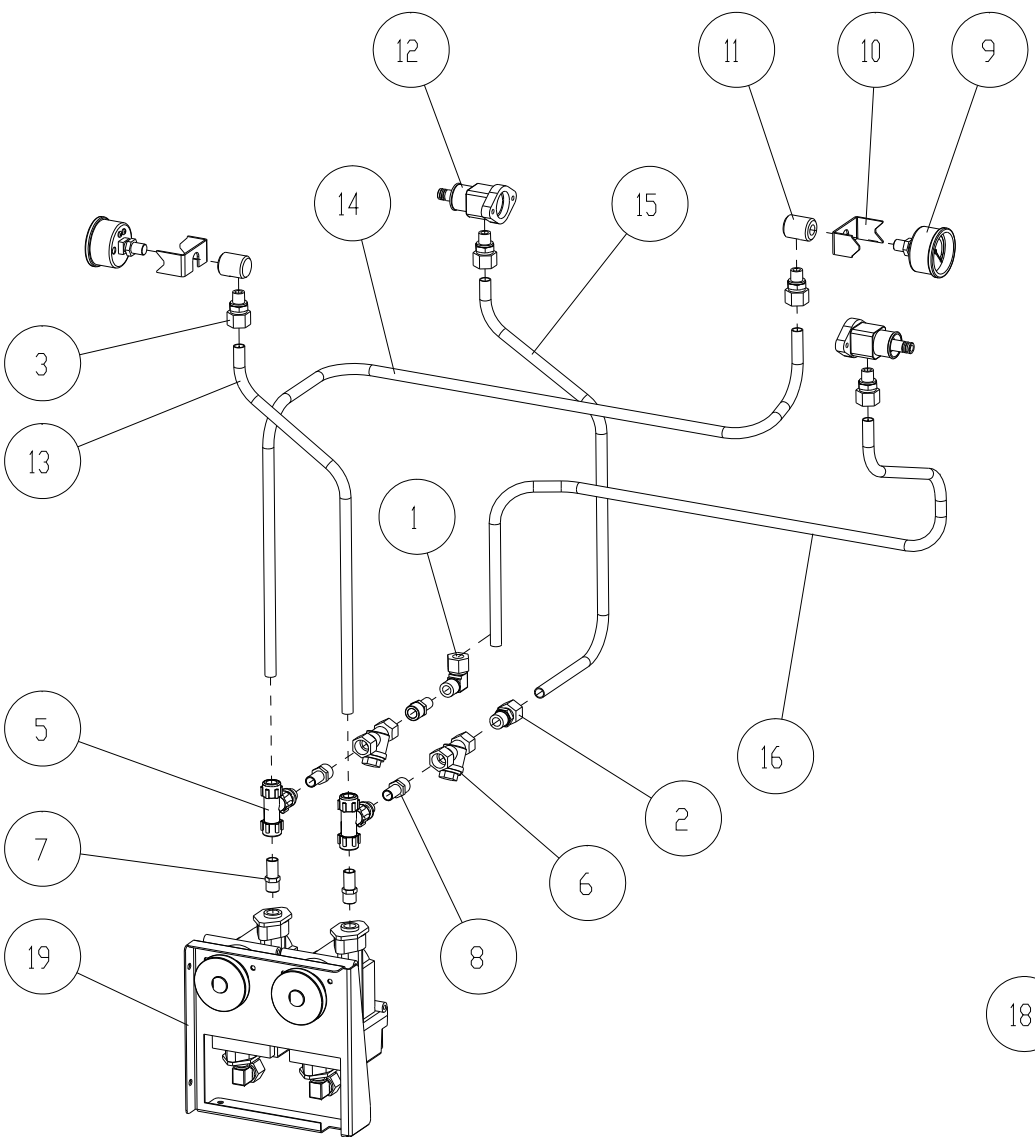
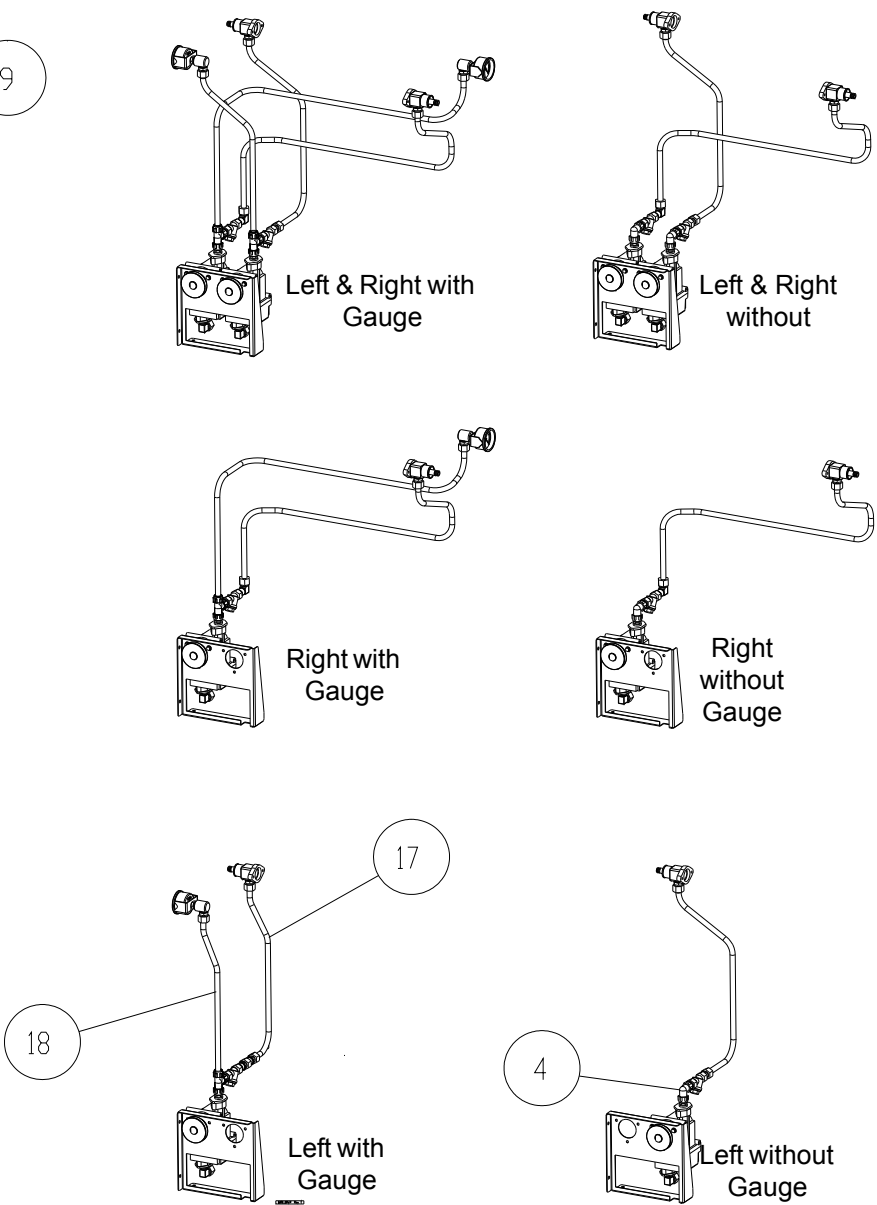
6.4.1 Q110 GRVP ASSEMBLY - MANUFACTURED BEFORE JULY 2013

Item No	Description	Désignation Français	Part No	Comments
1	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-001	
2	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
3	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	
4	T Compr 12x12x12	Rac Te Egal D12	900035-001	
5	VR Filter	VR Filtre	900037	
6	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
7	Adaptor Dia12 Male - 3/8" Male	Adapt Dia12 Male - 3/8" Male	901754-002	
8	Vacuum Gauge	Jauge Sous Vide	902802	
9	Vacuum Gauge Bracket	Jauge Sous Vide Support	902802 Bracket	
10	Elbow Coupling FF 1/4	Coude FF 1/4	903080	
11	Coupling Straight VR Hose	Raccord Droit Flexible RV	951802	
12	VR Pump Assembly	Pompe Rv Asm	-	Refer to VR Pump & Motor Asm
13	Pipe VR Gauge Pump Right	Pipe VR Gauge Pump Right	946649	
14	Pipe VR H1 Pump Right GRVP	Pipe VR H1 Pump Right GRVP	954091	



6.4.2 Q110 GRVP ASSEMBLY - MANUFACTURED AFTER JUNE 2013

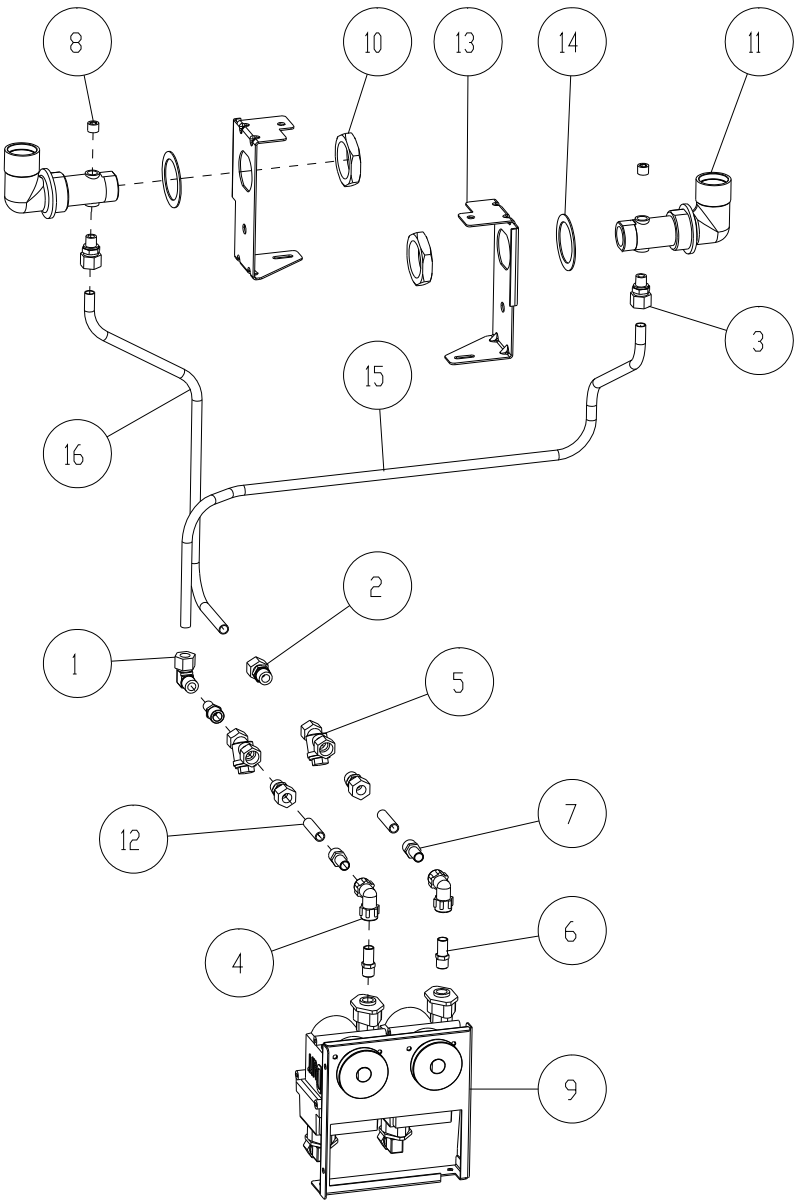
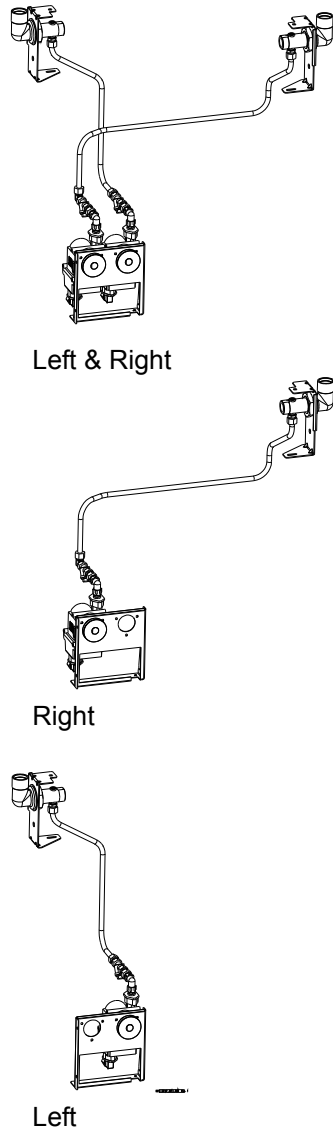
Item No	Description	Désignation Français	Part No	Comments
1	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-001	
2	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
3	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	
4	VR Filter	VR Filtre	900037	
5	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
6	Adaptor Dia12 Male - 3/8" Male	Adapt Dia12 Male - 3/8" Male	901754-002	
7	Pipe plug 1/4	Obturateur 1/4 pouce	901791-001	
8	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
9	Flange Adaptor-VR Q1/2	Flange Adaptor-VR Q1/2	951802	
10	Brkt Hose Connection	Brkt Flexible Connection	953826	
11	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
12	Pipe VR H1 pump right GRVP	Tube VR H1 pump right GRVP	954091	
13	VR Pump Assembly	Pompe RU Asm	-	Refer to VR Pump & Motor Asm



6.5 Q210 GRVP Assembly

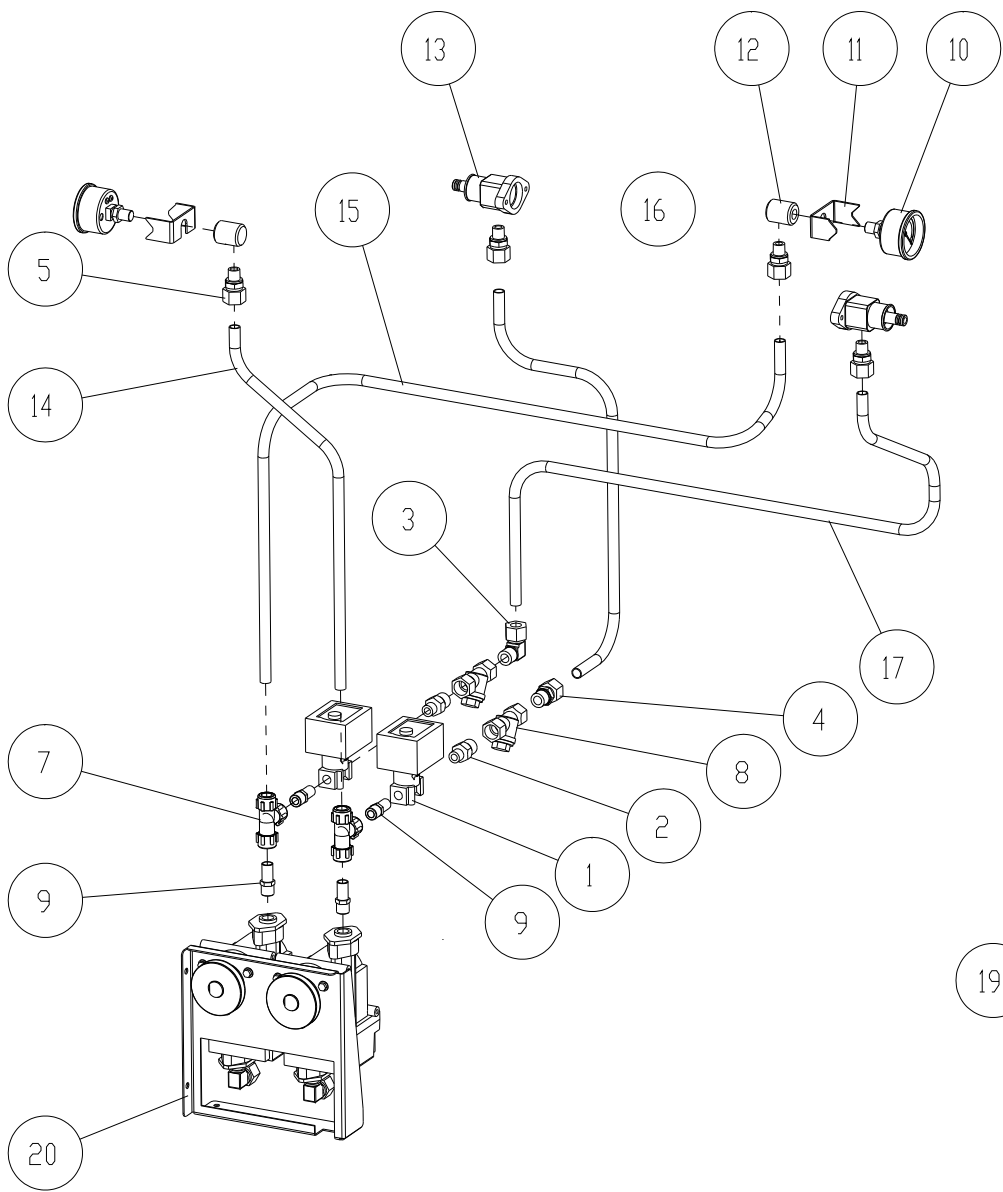
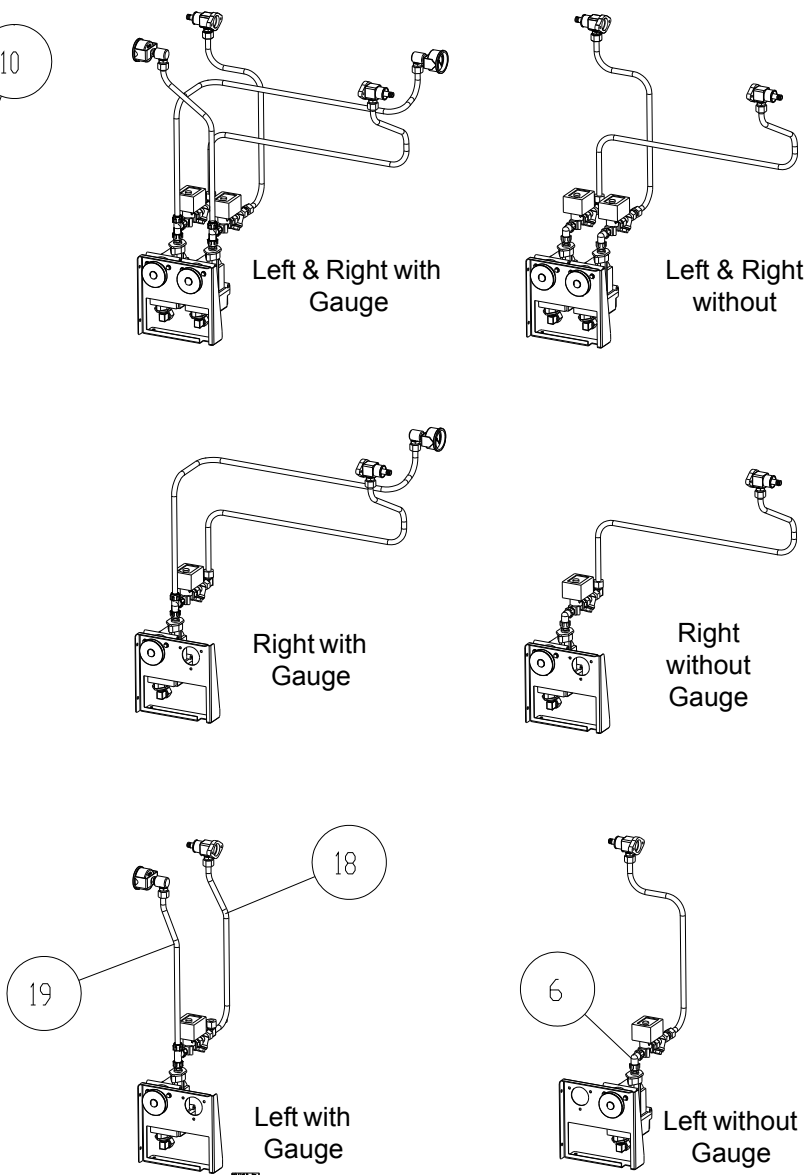
6.5.1 Q210 GRVP ASSEMBLY - MANUFACTURED BEFORE JULY 2013

Item No	Description	Désignation Français	Part No	Comments
1	Elbow Compr 3/8" BSPM 12mm	EQ-PIQ-M12-3/8	900031-002	
2	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-001	
3	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
4	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	Without Gauge only
5	T Compr 12x12x12	Rac Te Egal D12	900035-001	
6	VR Filter	VR Filtre	900037	
7	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
8	Adaptor Dia12 Male - 3/8" Male	Adapt Dia12 Male - 3/8" Male	901754-002	
9	Vacuum Gauge	Jauge Sous Vide	902802	
10	Vacuum Gauge Bracket	Support Jauge Sous Vide	902802-bracket	
11	Elbow Coupling FF 1/4	Coude FF 1/4	903080	
12	Coupling Straight VR Hose	Raccord Droit Flexible RV	903580	Refer to pipe assemblies also
13	Pipe VR Gauge Pump Left	Tube RV Pompe Jauge Gauche	946640	
14	Pipe VR Gauge Pump Right	Tube RV Pompe Jauge Droite	946641	
15	Pipe VR H4 Pump Left GRVP	Tube RV H4 Pompe Gauche GRVP	947171	
16	Pipe VR H1 Pump Right GRVP	Tube RV H1 Pompe Droite GRVP	947172	
17	Pipe VR H4 Pump H1 GRVP	Tube RV H4 Pompe H1 GRVP	947173	
18	Pipe VR Gauge Pump Left	Tube RV Jauge Pompe Gauche	948154	
19	Vr Pump Assembly	Pompe RV Asm	-	Refer to VR Pump & Motor Asm



6.5.2 Q210 GRVP ASSEMBLY - MANUFACTURED AFTER JUNE 2013

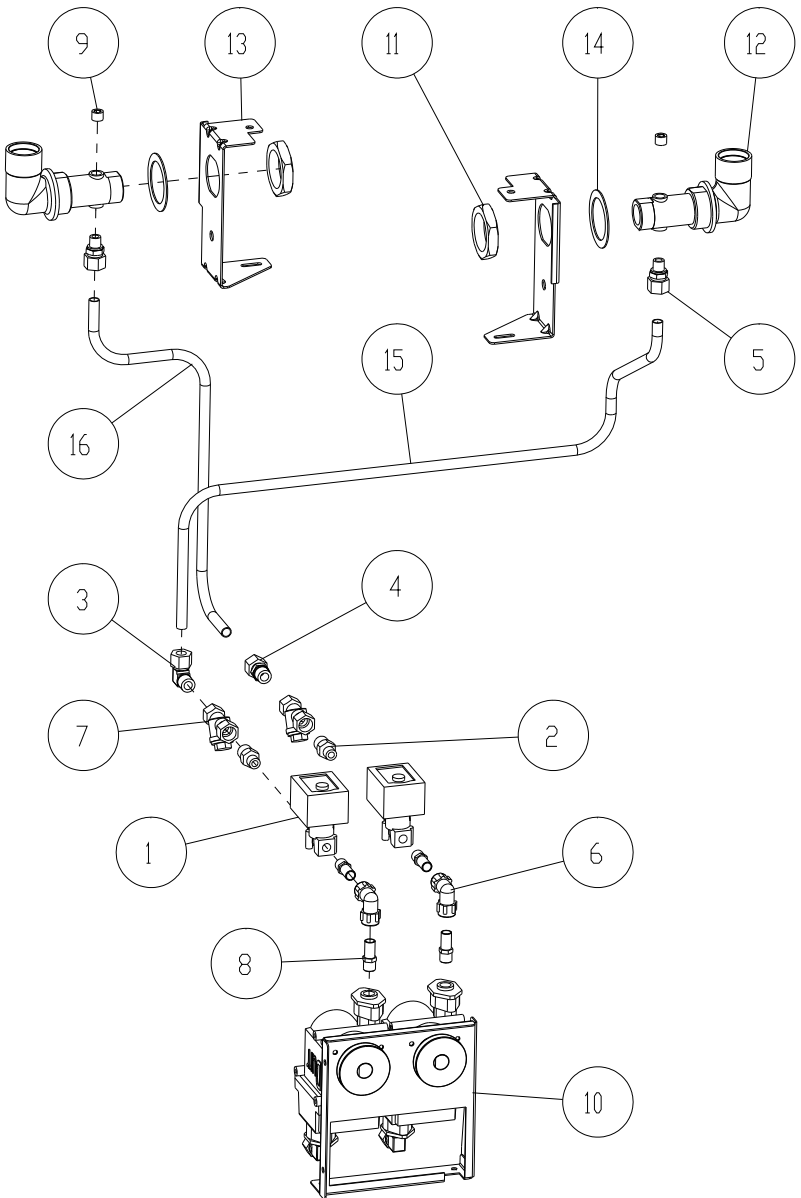
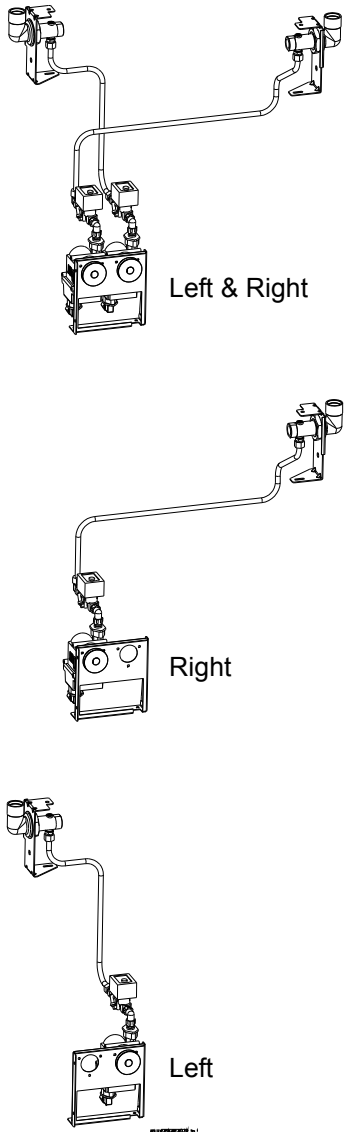
Item No	Description	Désignation Français	Part No	Comments
1	Elbow compr 3/8" BSPM 12mm	EQ-PIQ-M12-3/8	900031-002	
2	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-001	
3	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
4	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	
5	VR Filter	VR Filtre	900037	
6	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
7	Adaptor Dia12 Male - 3/8" Male	Adapt Dia12 Male - 3/8" Male	901754-002	
8	Pipe plug 1/4	Obturateur 1/4 pouce	901791-001	
9	VR Pump Assembly	Pompe RV Asm	-	Refer to VR Pump & Motor Asm
10	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
11	Flange Adaptor-VR Q1/2	Flange Adaptor-VR Q1/2	951802	
12	Q410 CVR straight pipe	Q410 CVR Straight Pipe	953326	
13	Brkt Hose Connection	Brkt Flexible Connection	953826	
14	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
15	Pipe VR H1 pump right GRVP	Tube VR H1 pompe droite GRVP	954097	
16	Pipe VR H4 pump left GRVP	Tube VR H4 pompe gauche GRVP	954098	



6.6 Q210 ECVR Open Loop Assembly

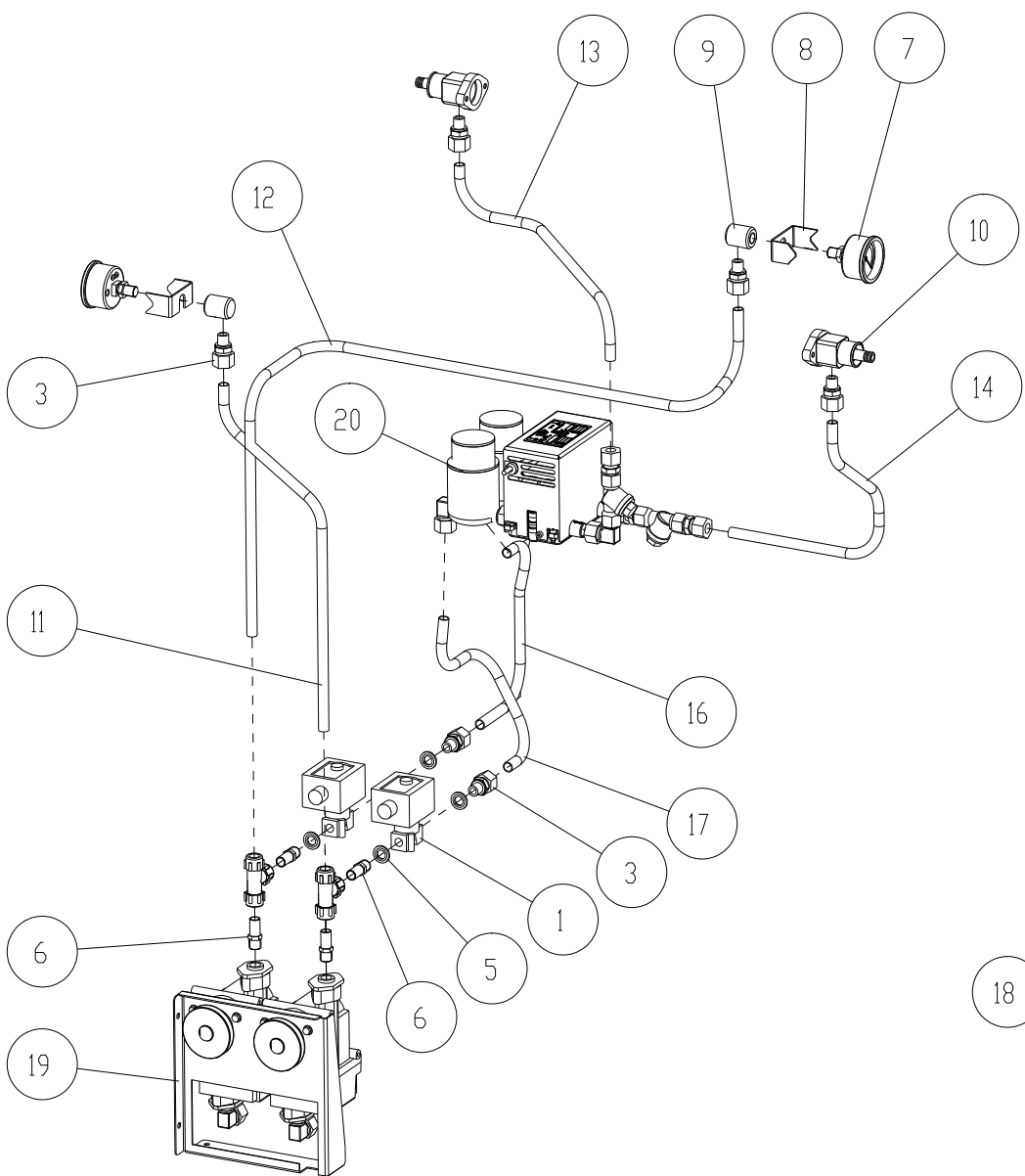
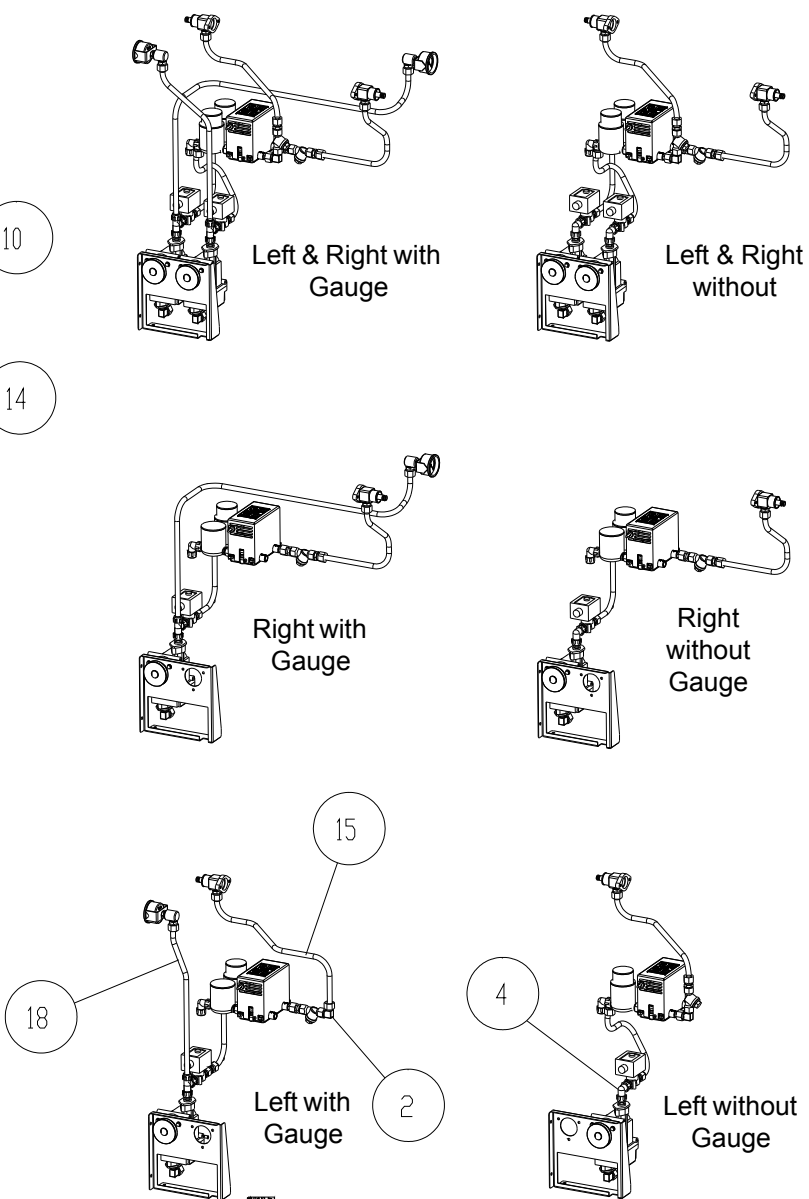
6.6.1 Q210 ECVR OPEN LOOP ASSEMBLY - MANUFACTURED BEFORE JULY 2013

Item No	Description	Désignation Français	Part No	Comments
1	Proport Valve ECVR	Soupape Proport ECVR	900029-001	
2	Nipple 3/8" BSPM 1/4" BSPM	Rac Mam 1/4 - 3/8	900030-001	
3	Elbow Compr 3/8" BSPM 12mm	EQ-PIQ-M12-3/8	900031-002	
4	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-001	
5	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
6	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	Without Gauge only
7	T Compr 12x12x12	Rac Te Egal D12	900035-001	
8	VR Filter	VR Filtre	900037	
9	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
10	Vacuum Gauge	Jauge Sous Vide	902802	
11	Vacuum Gauge Bracket	Support Jauge Sous Vide	902802-bracket	
12	Elbow Coupling FF 1/4	Coude FF 1/4	903080	
13	Coupling Straight VR Hose	Raccord Droit Flexible RV	903580	Refer to pipe assemblies also
14	Pipe VR Gauge Pump Left	Tube RV Pompe Jauge Gauche	946640	
15	Pipe VR Gauge Pump Right	Tube RV Pompe Jauge Droite	946641	
16	Pipe VR H4 Pump Left	Tube RV H4 Pompe Gauche	946642	
17	Pipe VR H1 Pump Right	Tube RV H1 Pompe Droite	946643	
18	Pipe VR H4 Pump H1	Tube RV H4 Pompe H1	946751	
19	Pipe VR Gauge Pump Left	Tube RV Jauge Pompe Gauche	948154	
20	Vr Pump Assembly	Pompe RV Asm	-	Refer to VR Pump & Motor Asm



6.6.2 Q210 ECVR OPEN LOOP ASSEMBLY - MANUFACTURED AFTER JUNE 2013

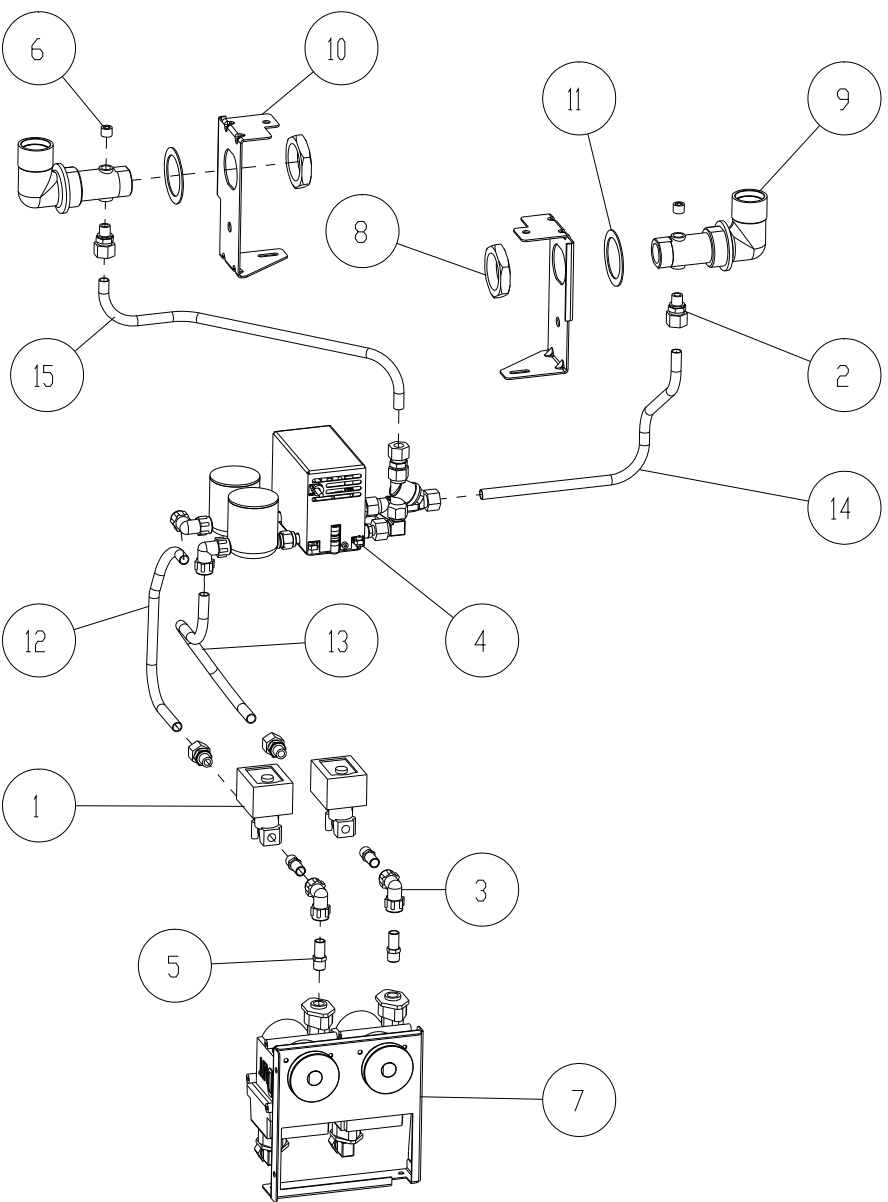
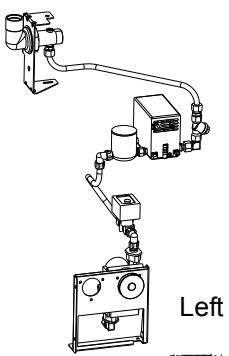
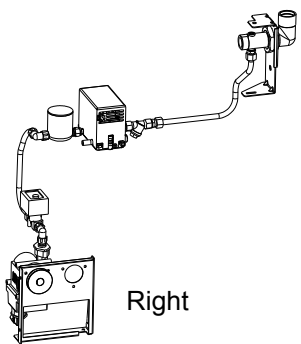
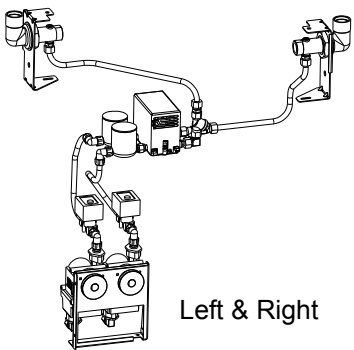
Item No	Description	Désignation Français	Part No	Comments
1	Proportional valve ECVR	Soupape prop ECVR	900029-001	
2	Nipple 3/8" BSPM 1/4" BSPM	Rac Mam 1/4 - 3/8	900030-001	
3	Elbow compr 3/8" BSPM 12mm	EQ-PIQ-M12-3/8	900031-002	
4	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-001	
5	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
6	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	
7	VR Filter	VR Filtre	900037	
8	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
9	Pipe plug 1/4	Obturateur 1/4 pouce	901791-001	
10	VR Pump Assembly	Pompe RV Asm	-	Refer to VR Pump & Motor Asm
11	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
12	Flange Adaptor-VR Q1/2	Flange Adaptor-VR Q1/2	951802	
13	Brkt Hose Connection	Brkt Flexible Connection	953826	
14	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
15	Pipe VR H1 pump right	Tube VR H1 pump right	954123	
16	Pipe VR H4 pump left	Tube VR H4 pompe gauche	954124	



6.7 Q210 EVCR Self Calibration System (Closed Loop) Assembly

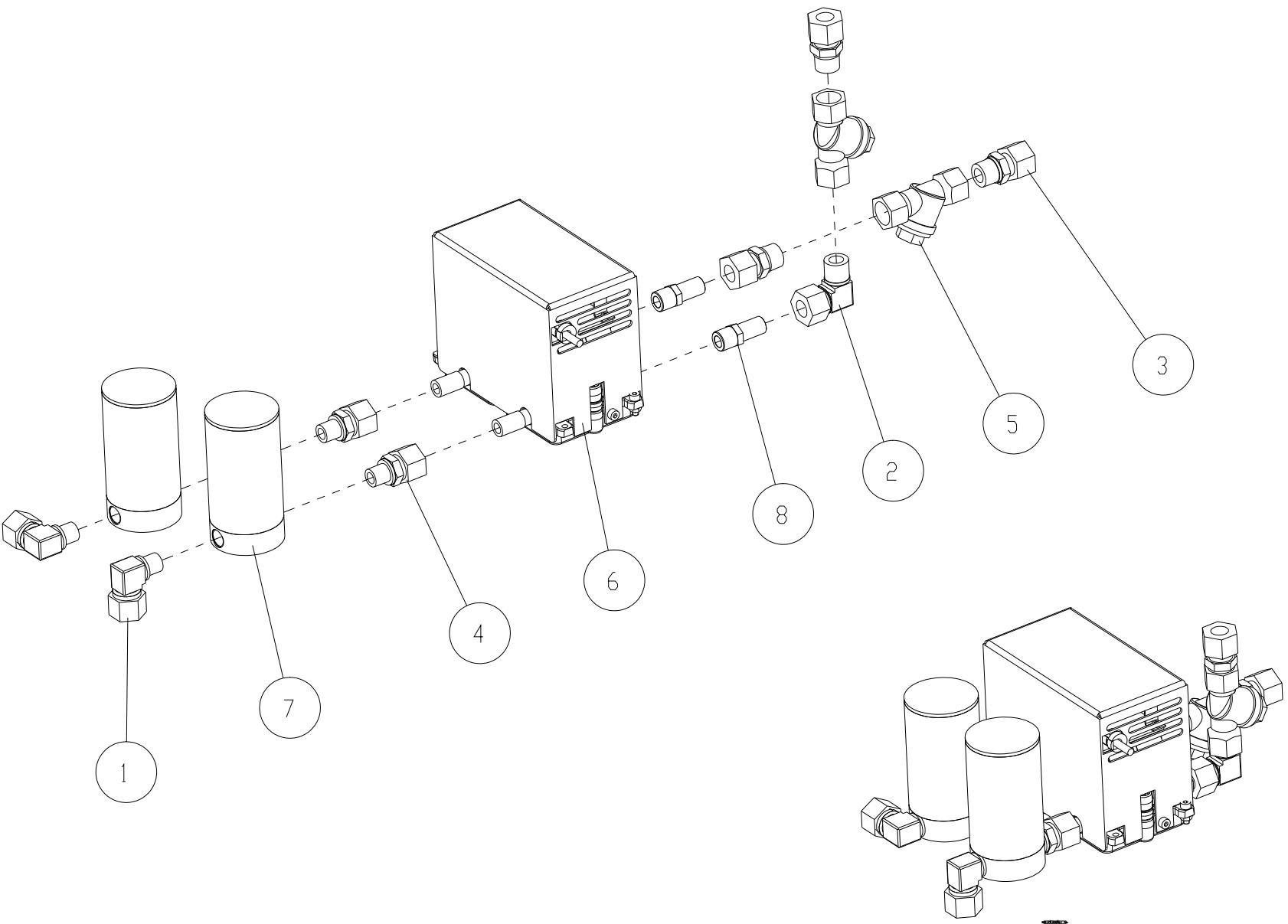
6.7.1 Q210 EVCR SELF CALIBRATION SYSTEM (CLOSED LOOP) ASSEMBLY - MANUFACTURED BEFORE JULY 2013

Item No	Description	Désignation Français	Part No	Comments
1	Proport Valve ECVR	Soupape Proport ECVR	900029-001	
2	Elbow Compr 3/8" BSPM 12mm	EQ-PIQ-M12-3/8	900031-002	
3	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
4	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	Without Gauge only
5	Dowty Seal Self Centre 1/4" BSP	Dowty Joint Torique 1/4" BSP	900450-001	
6	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
7	Vacuum Gauge	Jauge Sous Vide	902802	
8	Vacuum Gauge Bracket	Support Jauge Sous Vide	902802-bracket	
9	Elbow Coupling FF 1/4	Coude FF 1/4	903080	
10	Coupling Straight VR Hose	Raccord Droit Flexile RV	903580	Refer to pipe assemblies also
11	Pipe VR Gauge Pump Left	Tube RV Jauge Pompe Gauche	946640	
12	Pipe VR Gauge Pump Right	Tube RV Jauge Pompe Droite	946641	
13	Pipe VR SCS H1 Hose	Tube RV SCS H1 Tuyau	946646	
14	Pipe VR H1	Tube RV H1	946647	
15	Pipe VR H1 Pump H1	Tube RV H1 Pompe H1	946753	
16	Pipe VR Pump to Motor Right	Tube RV Pompe à Moteur Droite	946941	
17	Pipe VR Pump to Motor Left	Tube RV Pompe à Moteur Gauche	946942	
18	Pipe VR Gauge Pump Left	Tube RV Jauge Pompe Gauche	948154	
19	VR Pump Assembly	RV Pompe Asm	-	Refer to VR Pump & Motor Asm
20	VFM Assembly	VFM Assemble	-	Refer to VFM Assembly



6.7.2 Q210 EVCR SELF CALIBRATION SYSTEM (CLOSED LOOP) ASSEMBLY - MANUFACTURED AFTER JUNE 2013

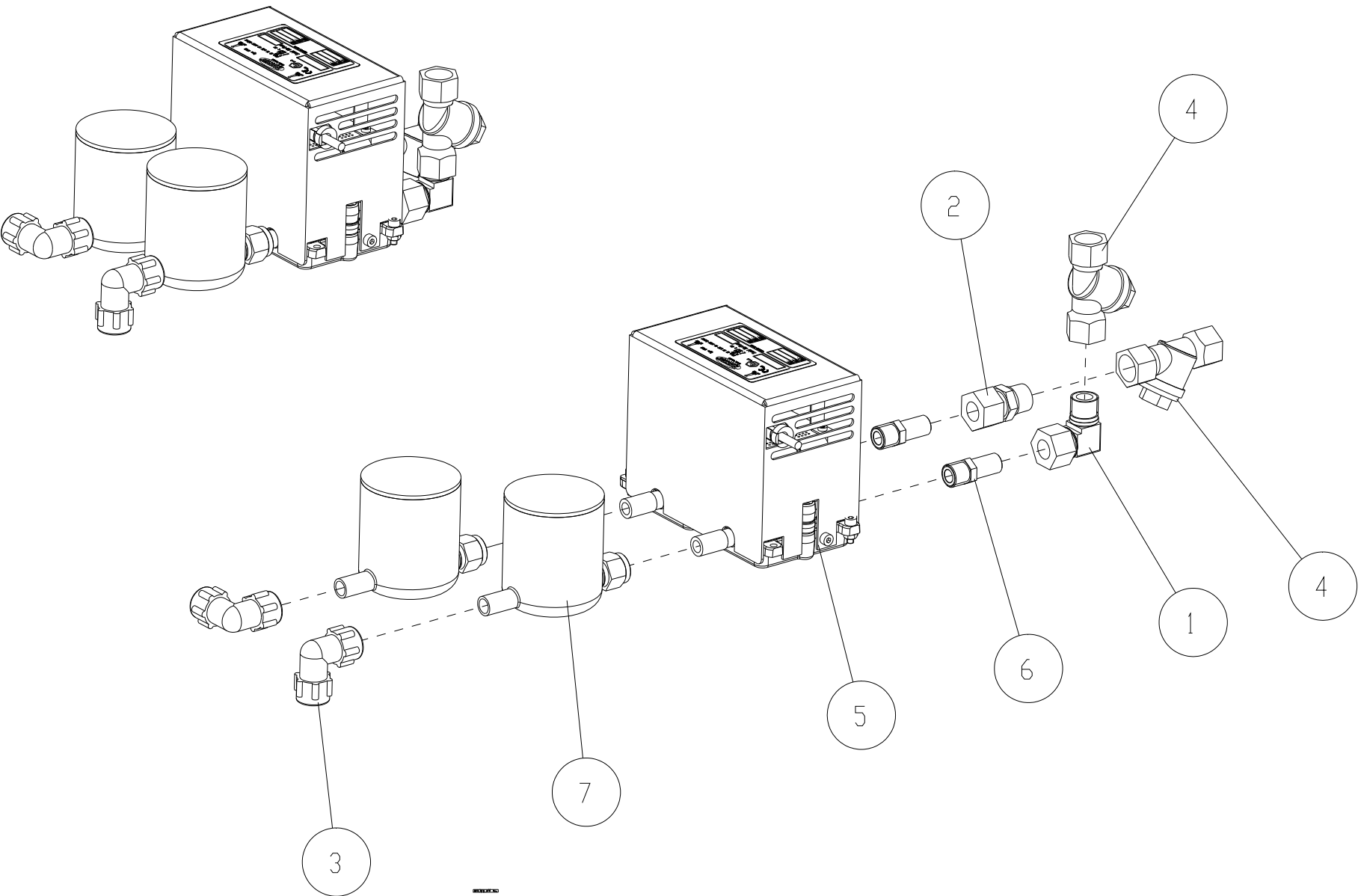
Item No	Description	Désignation Français	Part No	Comments
1	Proportional valve ECVR	Soupape prop ECVR	900029-001	
2	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
3	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	
4	VFM Asseembly	VFM Asseembly	-	Refer to VFM Assembly
5	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
6	Pipe plug 1/4	Obturateur 1/4 pouce	901791-001	
7	VR Pump Assembly	Pompe RV Asm	-	Refer to VR Pump & Motor Asm
8	Steel M48x2 Backnut	Steel M48x2 Backnut	947408	
9	Flange Adaptor-VR Q1/2	Flange Adaptor-VR Q1/2	951802	
10	Brkt Hose Connection	Brkt Flexible Connection	953826	
11	Washer Sealing Hose Connector	Washer Sealing Hose Connector	953828	
12	Pipe VR Pump to Motor Right	Tube VR Pompe a Moteur Droite	954131	
13	Pipe VR Pump to Motor Left	Tube VR Pompe a Moteur Gauche	954132	
14	Pipe VR H1	Tube VR H1	954133	
15	Pipe VR SCS H1 Hose	Tube VR SCS H1 Tuyau	954134	



6.8 VFM Assemblies

6.8.1 VFM ASSEMBLY - MANUFACTURED BEFORE NOVEMBER 2010

Item No	Description	Désignation Français	Part No	Comments
1	Elbow Compr 1/4" BSPM 12mm	EQ-PIQ-M12-1/4	900031-001	
2	Elbow Compr 3/8" BSPM 12mm	EQ-PIQ-M12-3/8	900031-002	
3	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-001	
4	Straight Compr 1/4" BSP 12mm	Rac Piq Male 12 - 1/4	900032-002	
5	VR Filter	VR Filtre	900037	
6	VFM 2 Assy	VFM - 2 Assemblé	900452	
7	Damping Vessel	Recipient	901053	
8	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	



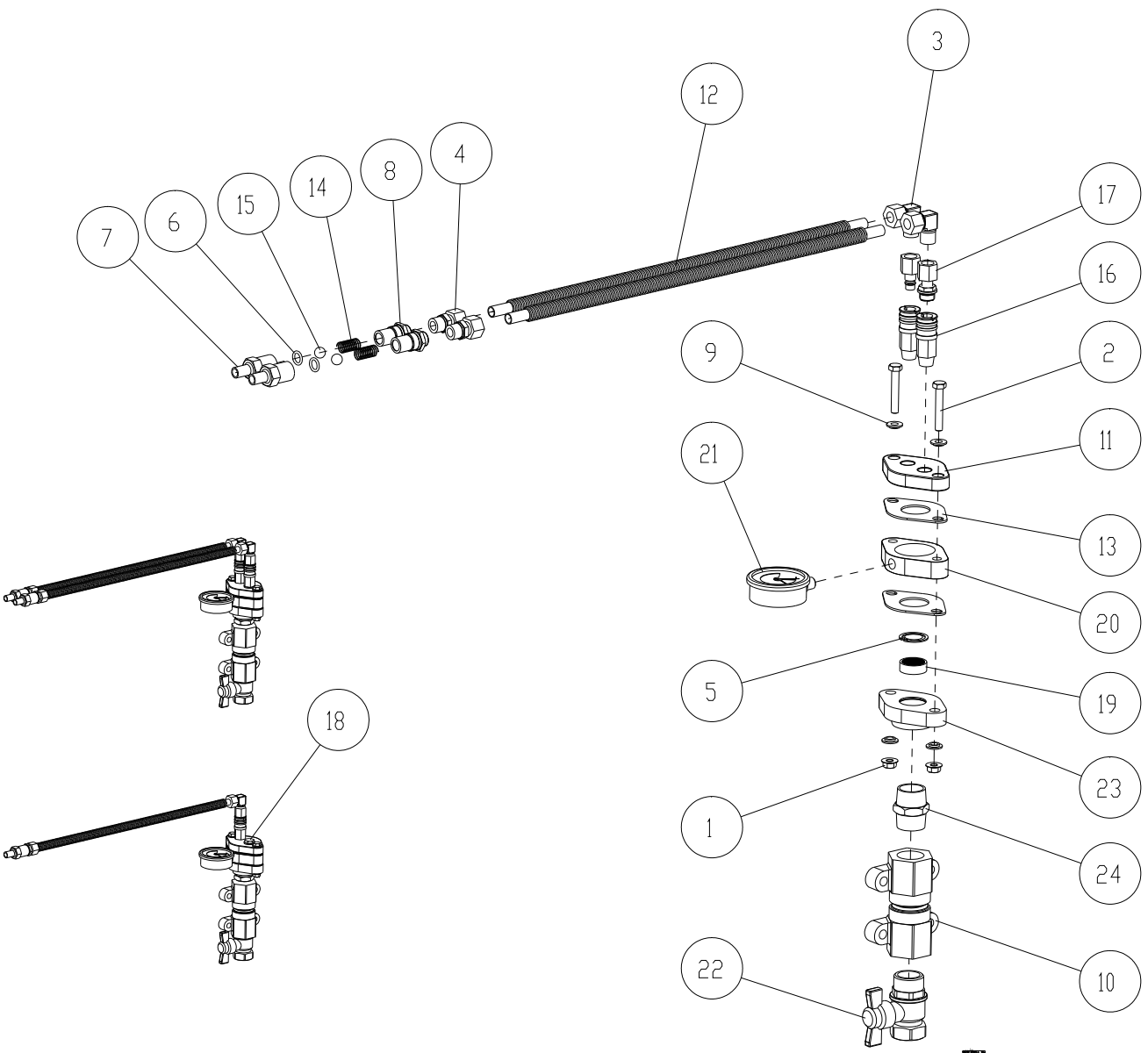
6.8.2 VFM ASSEMBLY - MANUFACTURED AFTER OCTOBER 2010

Item No	Description	Désignation Français	Part No	Comments
1	Elbow Compr 3/8" BSPM 12mm	EQ-PIQ-M12-3/8	900031-002	
2	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-001	
3	Elbow Compr 12 x 12 mm	Rac EQ Egale D12	900033-001	
4	VR Filter	VR Filtre	900037	
5	VFM 2 Assembly	VFM 2 Assemblé	900452	
6	Adaptor Dia12 Male - 1/4" Male	Adapt Dia12 Male - 1/4" Male	901754-001	
7	Vessel Assembly	Asm Recipient	944352	



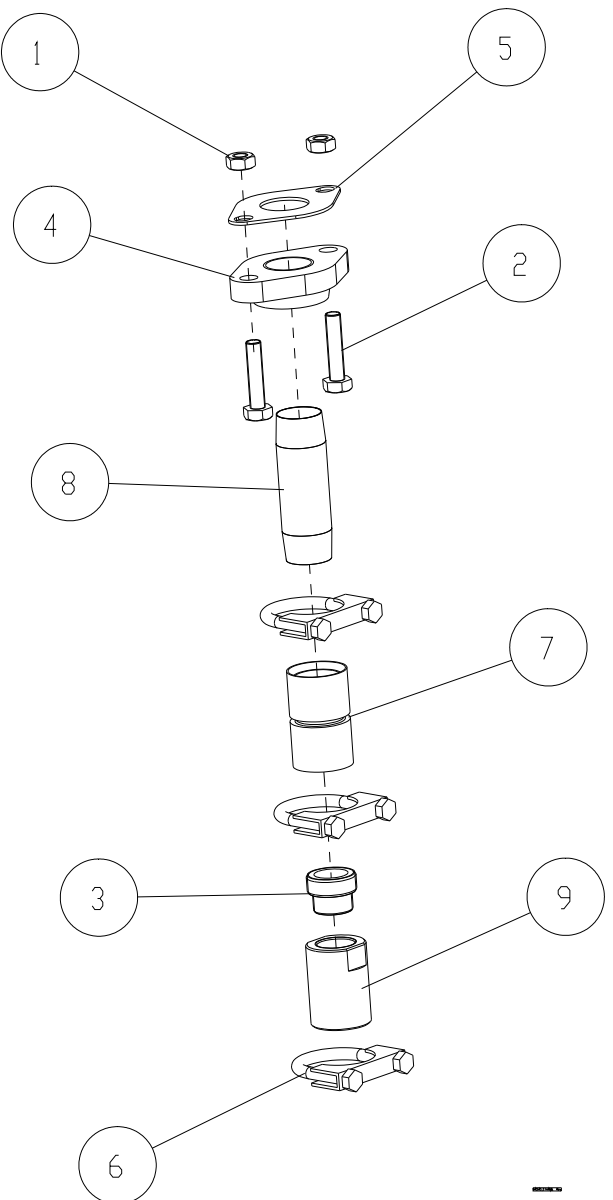
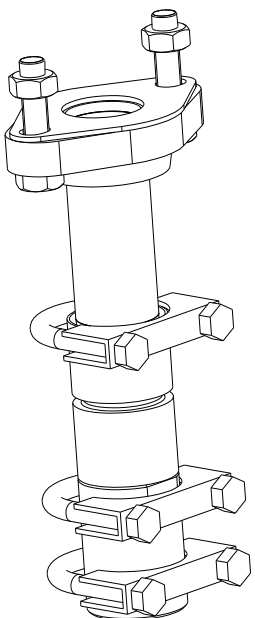
6.9 Standard Vapour Return Line

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
2	Screw HH M8x50	Vis H M8x50	900015-005	
3	Elbow Compr 3/8" BSPM 12mm	EQ-PIQ-M12-3/8	900031-002	
4	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-001	
5	Ring Retain Bore D30	Anneau Elast Int D30	900049-003	
6	O-ring 11.00x2.50	Joint Torique 11.00x2.50	900050-029	
7	Non Return Valve VR - Female	Clapet Anti Retour Femelle RV	900296	
8	Non Return Valve VR - Male	Clapet Anti Retour Male RV	900297	
9	Insulation Sleeve 8.2 mm	Manchon Isolant 8.2 mm	900758-003	
10	Flange - VR Return	Bride Retour RV	901596	
11	Flexible Outlet VR Pump Assy	Flexible Sortie Pompe RV Asm	909674	
12	Gasket - Flange 78-82	Joint de Bride 78-82	901859	
13	Spring ECVR Non-Return Valve	Ressort clapet anti-retou...	901923	
14	Ball (d=12)	Bille (d=12)	901924	
15	Connector - Quick Release Female	Raccord Rapide Femelle	901954	
16	Connector - Quick Release Male	Raccord Rapide Male	901955	
17	Plug Hyd G 3/8"	Rac Bouch G 3/8"	902001-001	
18	Flame Arrestor VR	Pare Flamme RV	902002	
19	VR flow Measure Flange	VR Bride de Mesure Debit	903068	
20	Manometer 0 - 100 mbar	Manometer 0 - 100 mbar	903069	
21	Valve 1" M/F	Vanne BS 1" M/F	904247	
22	Flange VR Flame Arrestor	Bride RV Pare Flamme	904267	



6.10 Vapour Return Line With Shear Valve

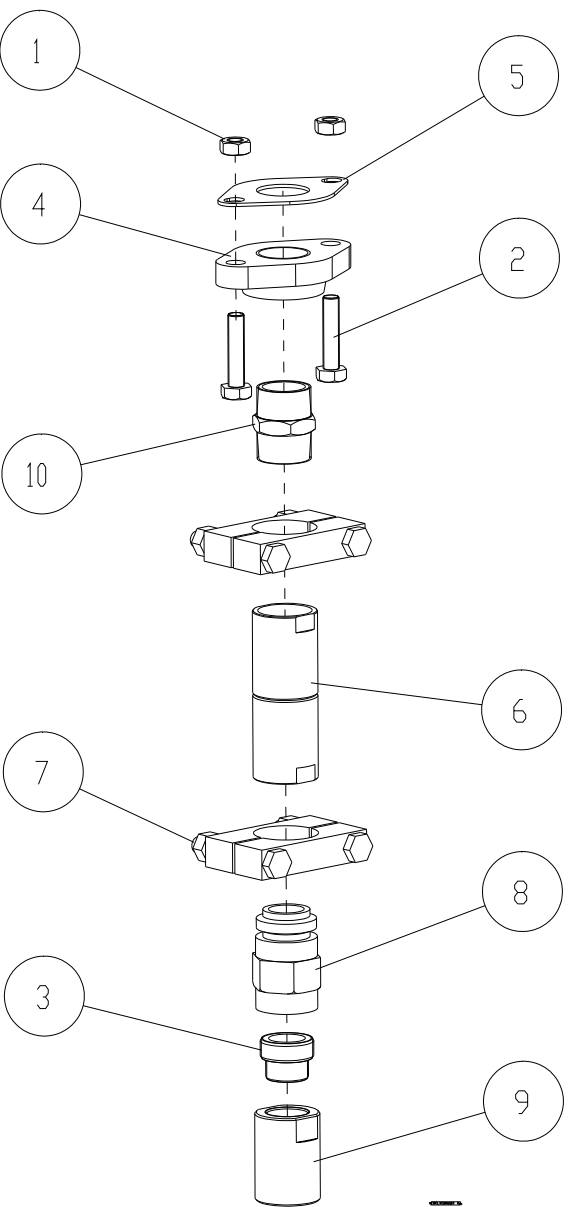
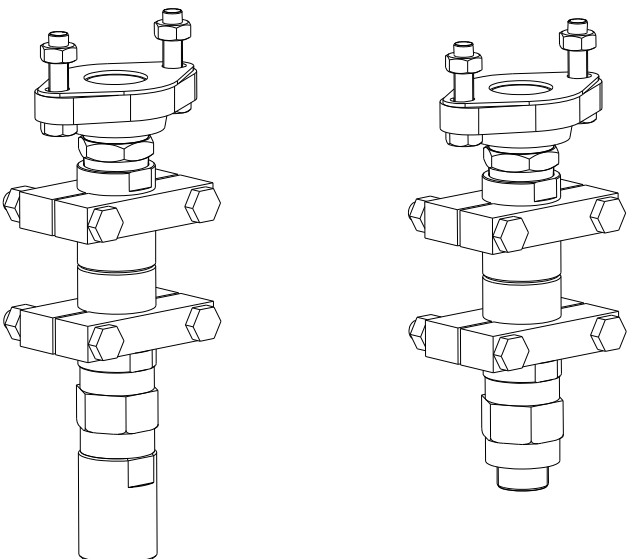
Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex Self Lock M8	Ecrou Bride Autobloquant M8	900013-004	
2	Screw HH M8x50	Vis H M8x50	900015-005	
3	Elbow Compr 3/8" BSPM 12mm	EQ-PIQ-M12-3/8	900031-002	
4	Straight Compr 3/8" BSP 12mm	Rac Piq Male 12 - 3/8	900032-001	
5	Ring Retain Bore D30	Anneau Elast Int D30	900049-003	
6	O-ring 11.00x2.50	Joint Torique 11.00x2.50	900050-029	
7	Non Return Valve VR - Female	Clapet Anti Retour Femelle RV	900296	
8	Non Return Valve VR - Male	Clapet Anti Retour Male RV	900297	
9	Insulation Sleeve 8.2 mm	Manchon Isolant 8.2 mm	900758-003	
10	Shear Valve (V. R.)	Raccord Cassant (R. V.)	901109	
11	Flange - VR Return	Bride Retour RV	901596	
12	Flexible Outlet VR Pump Assy	Flexible Sortie Pompe RV Assy	901597	
13	Gasket - Flange 78-82	Joint de Bride 78-82	901859	
14	Spring ECVR Non-Return Valve	Ressort Clapet Anti-Retour RV	901923	
15	Ball (d=12)	Bille (d=12)	901924	
16	Connector - Quick Release Female	Raccord Rapide Femelle	901954	
17	Connector - Quick Release Male	Raccord Rapide Male	901955	
18	Plug Hyd G 3/8"	Rac Bouch G 3/8"	902001-001	
19	Flame Arrestor VR	Pare Flamme RV	902002	
20	VR Flow Measure Flange	VR Bride de Mesure Debit	903068	
21	Manometer 0 - 100 mbar	Manometer 0 - 100 mbar	903069	
22	Valve 1" M/F	Vanne BS 1" M/F	904247	
23	Flange VR Flame Arrestor	Bride RV Pare Flamme	904267	
24	Nipple R1"-R1"	Douille R1"-R1"	944527	



6.11 VR Shear Valve Assemblies

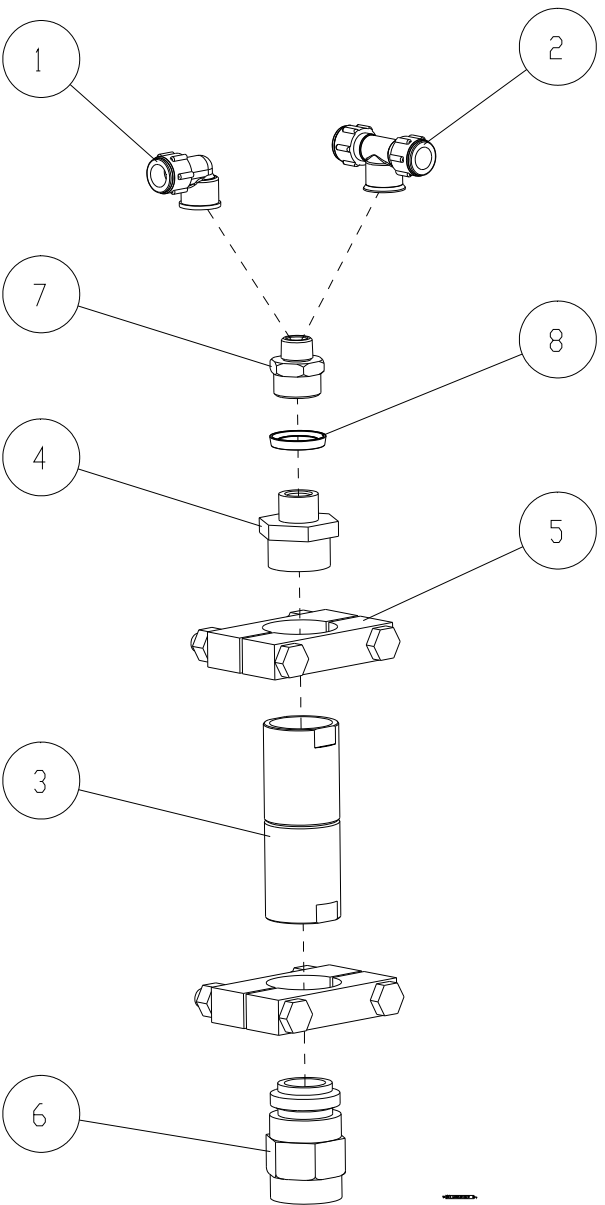
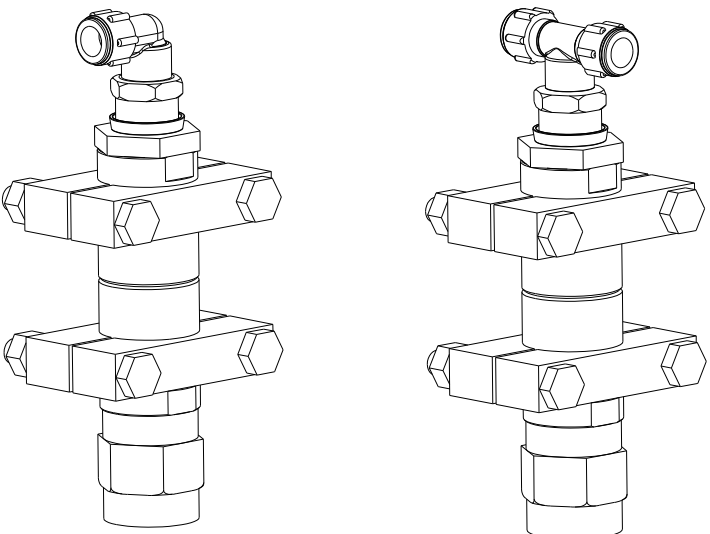
6.11.1 ETHANOL SHEAR VALVE

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex M10	Ecrou H M10	900011-004	
2	Screw HH M10x45	Vis H M10x45	900015-022	
3	Nipple 22mm G1	Douille 22mm G1	900416	
4	Flange 1" 78mm	Bride 1" 78mm	901320-001	
5	Gasket - Flange 78-82	Joint de Bride 78-82	901859	
6	Clamp 42mm	Clamp 42mm	903184	
7	Body for Shear Valve	Corps de Valve	904587	
8	Pipe Nipple 1" x 1" x 100	Mamelon de Pipe 1" x 1" x 100	904919	
9	Flame Arrester Assy - Ethanol	Flame Arrester Assy - Ethanol	943050-001	



6.11.2 RISBRIDGER SHEAR VALVE

Item No	Description	Désignation Français	Part No	Comments
1	Nut Hex M10	Ecrou H M10	900011-004	
2	Screw HH M10x45	Vis H M10x45	900015-022	
3	Nipple 22mm G1	Douille 22mm G1	900416	
4	Flange 1" 78mm	Bride 1" 78mm	901320-001	
5	Gasket - Flange 78-82	Joint de Bride 78-82	901859	
6	Risbridger Shear Valve	Risbridger Shear Valve	906069	
7	Clamp Kit Risbridger	Clamp Kit Risbridger	906069	
8	Risbridger Non Return Valve	Risbridger Non Return Valve	906069	
9	Flame Arrestor Assy - Ethanol	Flame Arrestor Assy - Ethanol	943050-001	Option Flame Arrestor
10	Nipple R1"-R1"	Douille R1"-R1"	944527	



6.11.3 UK RISBRIDGER SHEAR VALVE

Item No	Description	Désignation Français	Part No	Comments
1	Elbow 3/8" x 12	Equerre egale 3/8" x 12	901599-001	
2	Coupl.T Compr. 12*3/8F*12	Rac T Egal 12*3/8F*12	901600-001	
3	Risbridger Shear Valve	Risbridger Shear Valve	906069	
4	Risbridger Shear Valve Adaptor	Risbridger Shear Valve Adaptor	906069	
5	Clamp Kit Risbridger	Clamp Kit Risbridger	906069	
6	Risbridger Non Return Valve	Risbridger Non Return Valve	906069	
7	VR Shear Valve Adapter	VR Shear Valve Adapter	950935	
8	Washer VR Shear Valve Adaptor	Washer VR Shear Valve Adaptor	950936	

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