

DRESSER

Wayne

Global Star

(phase II)



Spare Parts



Product Liability

For the supplier's product liability to be valid, no alterations, additions or the like may be made to the equipment without the supplier's express permission.

Use only genuine parts



Produktansvar

För att en leverantörs produktansvar skall gälla får ändringar, kompletteringar och liknande ej göras i utrustningen utan leverantörens godkännande.

Originalreservdelar skall alltid användas.



Produkthaftung

Damit die Produkthaftung des Lieferanten ihre Gültigkeit behält, dürfen ohne ausdrückliche Genehmigung des Lieferanten keine Änderungen, Ergänzungen o. Ä. an der Ausrüstung vorgenommen werden. Verwenden Sie nur Originalteile.



Ответственность поставщика

Для сохранения ответственности нельзя вводить в оборудование изменения, дополнения и т.п. без разрешения поставщика. Пользуйтесь только оригинальными запасными частями, выпущенным изготовителем бензоколонки.

Caution

To prevent damage that might result in electric shock or fire, disconnect the main power prior to any work.

Varning

Gör pumpen/enheten strömlös innan Du gör ingrepp i den. I annat fall föreligger risk för skada.

Vorsicht

Um Beschädigungen zu vermeiden, die zu einem elektrischen Schlag oder Feuer führen können, unterbrechen Sie vor jeder Arbeit die Stromzufuhr.

Осторожно

Во избежание поражения электрическим током или пожара отключайте напряжение питания перед началом любых работ.

Warning

Never run a leaking pump! Be careful with the environment and mind the skidding risk; take care of leaking fuel immediately.

Varning

Använd aldrig en läckande pump. Tänk på miljön och halkrisken, sanera utläckt drivmedel snarast.

Warnung

Lassen Sie nie eine undichte Zapfsäule laufen! Seien Sie umweltbewusst und denken Sie an die Rutschgefahr; beseitigen Sie austretenden Kraftstoff umgehend.

Предупреждение

Не пользуйтесь колонкой при наличии утечки топлива! Охраняйте окружающую среду, помните об опасности скольжения: в случае утечки топлива на дорожное покрытие возле колонки, примите меры немедленно.

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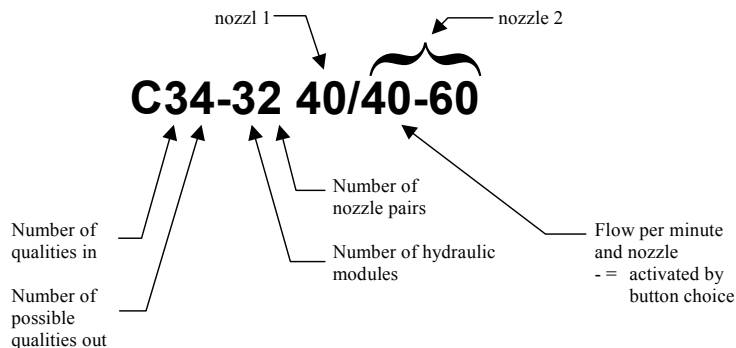
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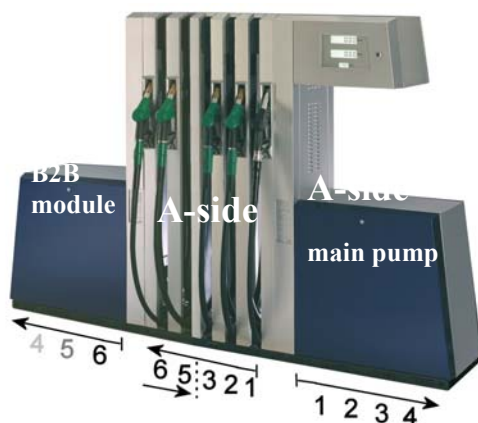


Global Star HH



Global Star LHR

40 l/min, nozzle position 1, 2, 3, 4, 5 or 6
40-70 or 70 or 90 or 130 l/min, nozzle position 1 or 6
40-60 or 60 l/min, nozzle position 2, 3, 4 or 5
Blend, nozzle position 1 or 6.
Maximum 2 nozzles on B2B module
Maximum 3 motors on B2b module
Maximum 6 motors totally



Global Star LHR B2B
(back to back)



Global Star LPG
Line oriented



Global Star LPG
Island oriented

1 Contents

1	Contents.....	4
1.1	Index.....	5
1.2	Index LPG.....	6
2	Hydraulic.....	7
2.1	Hydraulic	7
2.1.1	Combined unit - pump and meter.....	8
2.1.2	Pump internal gear.....	10
2.1.3	Pump cover without meter.....	13
2.1.4	Connection (Pump cover without meter)	14
2.1.5	Meter.....	16
2.1.6	Meter - Dispenser	18
2.1.7	Miscellaneous	20
2.1.8	Valve.....	22
2.1.9	Meter LPG	23
2.1.10	WIP box assembled - LPG	24
2.1.11	Filter LPG	26
2.1.12	Valve LPG	28
2.1.13	Miscellaneous LPG.....	30
2.2	Junction box.....	32
2.3	Motor.....	34
2.4	Pulser.....	35
2.5	Inlet.....	36
2.5.1	Check valve - inlet.....	36
2.5.2	Global Inlet.....	37
2.5.3	Large filter pot inlet.....	38
2.6	Pallet/Drip-pan/Extended base frame/foundation frame	40
2.6.1	Pallet.....	40
2.6.2	Extendend base frame.....	41
2.6.3	Foundation frame.....	42
2.6.4	Drip-pan.....	43
2.7	Frameworks hydraulics	44
2.7.1	Dispensers.....	44
2.7.2	Suction pump.....	46
2.7.3	Frameworks hydraulics LPG	47
2.8	Tube.....	48
2.8.1	LHR.....	48
2.8.2	LPG.....	49
2.9	Other.....	50
3	Electronic head	52
3.1	Frameworks electronic head	52
3.2	Lablels	56
3.3	Support high voltage	58
3.4	Tools	60
3.5	Other.....	61
4	Front panel.....	62
4.1	Lock.....	62
4.2	Dial face.....	63
4.3	Front panels without PT	66
4.4	Frontpanels with PT.....	68
5	Hose handling.....	72
5.1	Framework hose handling, LHR	72
5.2	Column LHR	74
5.2.1	Upper hose retraction module, LHR	76
5.2.2	Lower hose retraction module. LHR	77
5.3	Column LPG - Line.....	78
5.4	Column LPG - Island.....	82
5.5	Column LPG - Decales.....	85
5.6	Framework hose handling - LPG.....	86

5.7	Nozzle and hose	88
5.7.1	Cover	88
5.7.2	Nozzle	89
5.7.3	Hose, LHR	91
5.7.4	Miscellaneous	92
5.8	Divider panel, LHR	94
6	Vapour recovery	96
6.1	Vapour pump ASF Thomas	98
6.2	Pressure gauge	100
6.3	Tube vapour, LHR	101
7	Exterior	102
7.1	Electronic head	102
7.2	Cover plate, top panel, hose handling, LHR	103
7.3	Cover plate, column, LHR	104
7.4	Side panel, hose handling, LHR	105
7.5	Front panel, hydraulic	106
7.6	Side panel	109
7.7	Sealing barrier	110
7.8	Padlock	111
7.9	Remote control, with battery	112
7.10	Other to SAT	113
8	B2B (back to back)	114
9	Documents	115
10		117
10	Wiring diagram (WM003969) (with cable numbers)	117
11	Notes	138
12	Market & Service	139

1.1 Index

Approval label	page 104	Fuel pump	page 7
B2B (back to back)	page 114	Global inlet	page 37
Belt	page 34	Heating element 59	
Break-away	page 93	Hose cover	page 88
Cables	page 138	Hose retraction module LHR	page 1
Check valve - inlet	page 36	Hose	page 91
Combined unit	page 7	Indicator lamp	page 53
Cover plate, column	page 104	Inlet	page 36
CPU board	page 54	Junction box	page 33
Crimp tool	page 60	Key	page 62
Dial face	page 63	Labels	page 56
Display board	page 67	Lamp, indicator	page 53
Drip-pan	page 43	Large filter pot inlet	page 38
Expansion board	page 54	Lock	page 62
Extendend base frame	page 41	Manuals	page 115
Filter LPG	page 26	Meter - Dispenser	page 18
Foundation frame	page 42	Meter LPG	page 23
Front panel, hydraulic (door)	page 106	Meter	page 16
Fuel meter	page 7	Motor	page 34

Nozzle boot	page 75	Side Panel.....	page 105
Nozzle cover with VR	page 88	Sight glass	page 93
Nozzle cover without VR.....	page 88	Sight glass, LPG with breakaway valve...	page 48
Nozzle.....	page 89	Switch secatec.....	page 75
Padlock	page 111	Thermostat.....	page 53
Painting Instructions Global Star, see document 461312		Tools	page 60
Pallet.....	page 40	Tube vapour, LHR.....	page 101
Paper roll	page 70	Tube	page 48
Power supply	page 59	Tube, air venting 51	
Pulley for Z-belt.....	page 51	Tube, flexible.....	page 39
Pulser	page 35	User Manual.....	page 115
Pump cover without meter.....	page 13	Valve LPG	page 28
Push-button	page 75	Valve.....	page 22
Remote control	page 112	Vapour recovery	page 96
SAT II - Spare Parts see document 461251		V-Belt	page 34
Sealing barrier	page 110	Wiring diagram (WM003969).....	page 117

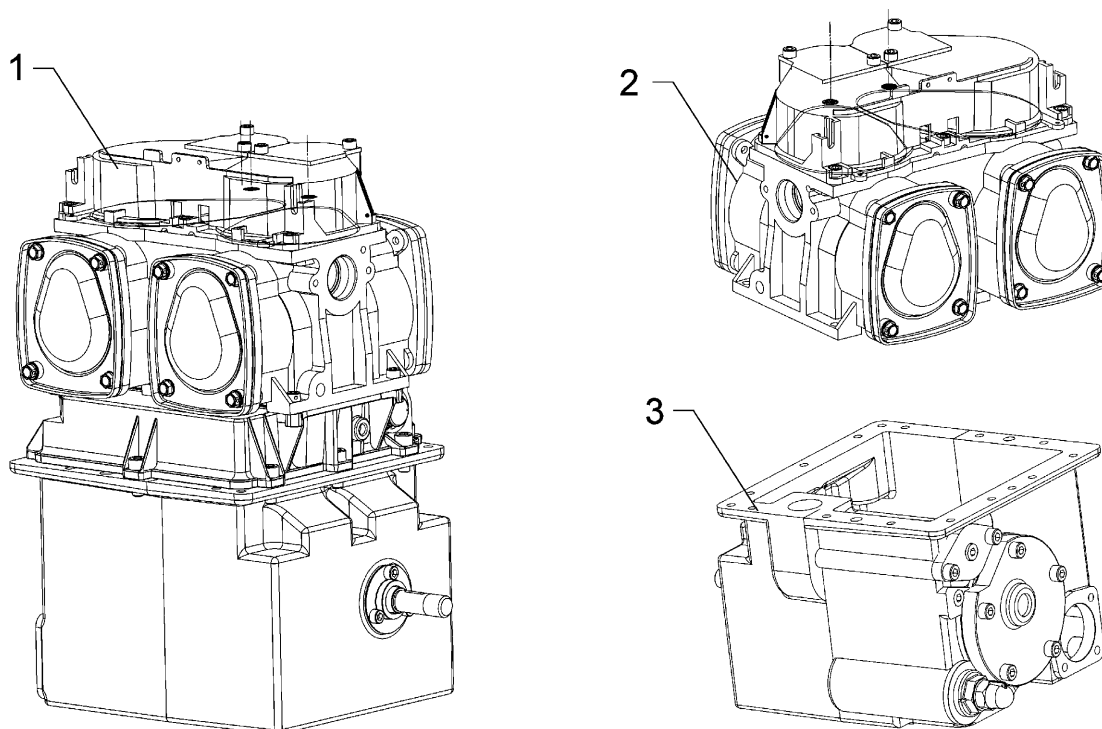
1.2 Index LPG

Blind panel B2B LPG.....	page 114
Column LPG - Decales.....	page 85
Column LPG - Island.....	page 82
Column LPG - Line.....	page 78
Filter LPG.....	page 26
Framework hose handling - LPG.....	page 86
Frameworks hydraulics LPG.....	page 47
Hose LPG	page 91
Junction box High voltage LPG and dispenser VR.....	page 33
Lock LPG nozzle	page 111
Meter LPG.....	page 23
Miscellaneous LPG	page 30
Nozzle LPG	page 89
Tubes, LPG.....	page 49
Valve LPG.....	page 28
WIP box assembled - LPG	page 24



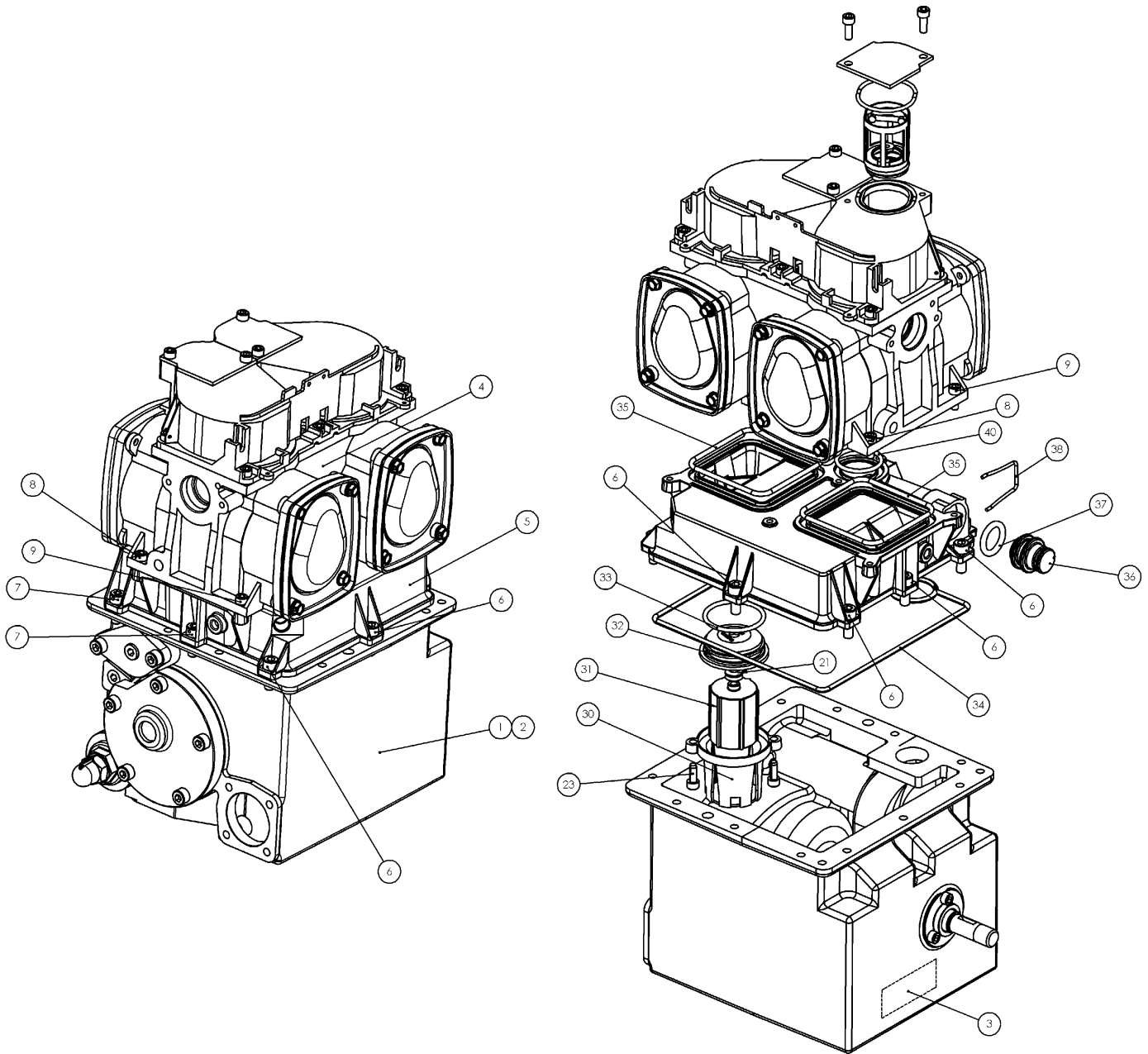
2 Hydraulic

2.1 Hydraulic



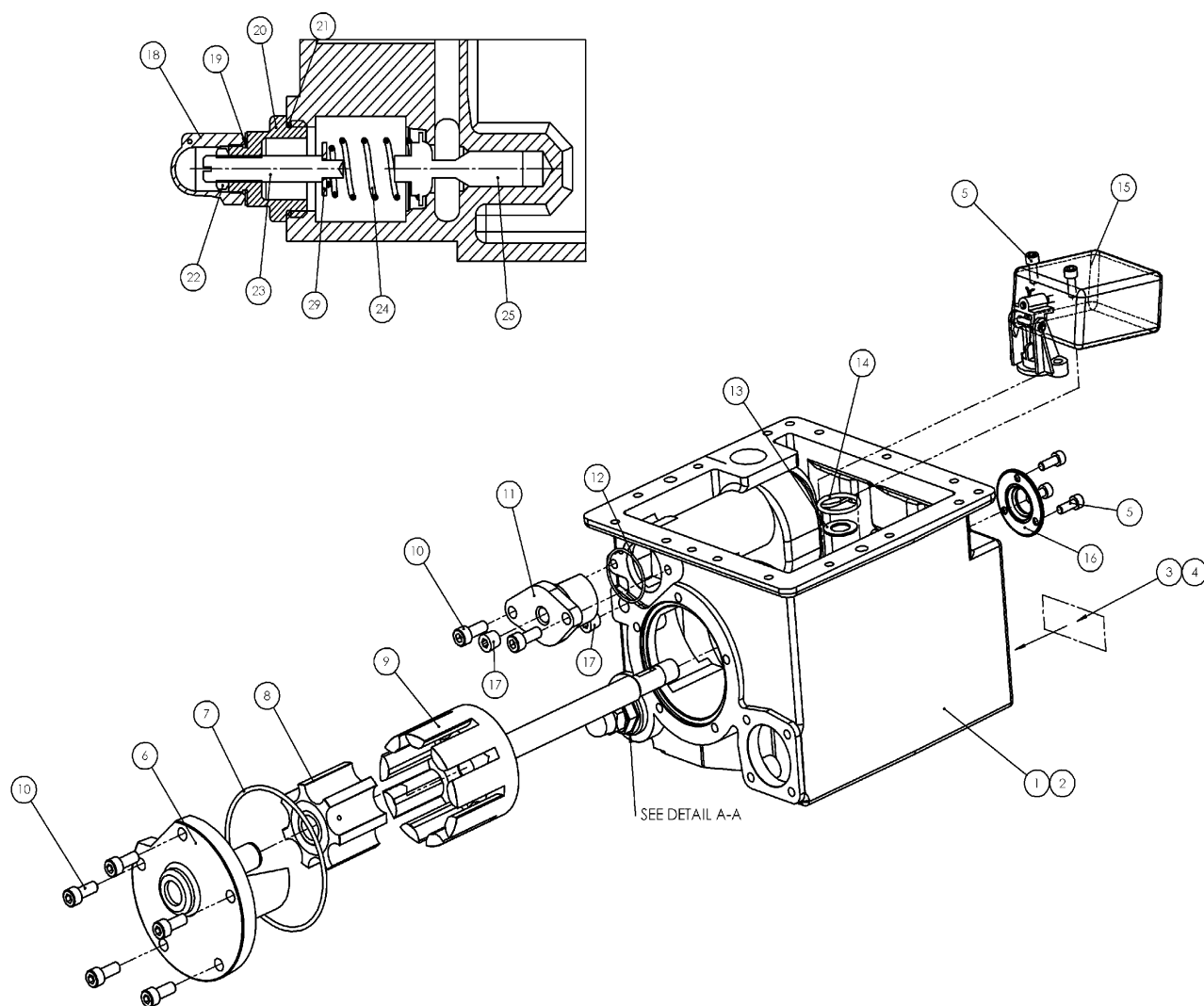
	Part number	Description
		Pulser see page 34
1		Combined unit
	WM002404-0007	Compact pump
	WM002404-0003	Pump and meter diesel 40 lpm
U	WM002404-0004	Pump and meter diesel 70 lpm
	WM002404-0005	Pump and meter diesel single sided side A 40 lpm
	WM002404-0006	Pump and meter diesel single sided side A 70 lpm
U	WM002404-0001	Pump and meter gasoline 40 lpm
	WM002404-0002	Pump and meter gasoline single sided side A 40 lpm
2		Fuel meter
	WM002393-0001	Double sided, 40 lpm
	WM002393-0003	Double sided, 70 lpm
	WM002393-0002	Single sided side A, 40 lpm
	WM002393-0004	Single sided side A, 70 lpm
3		Fuel pump
	WM002219-0001	Internal gear diesel
	WM002219-0002	Internal gear gasoline

2.1.1 Combined unit - pump and meter



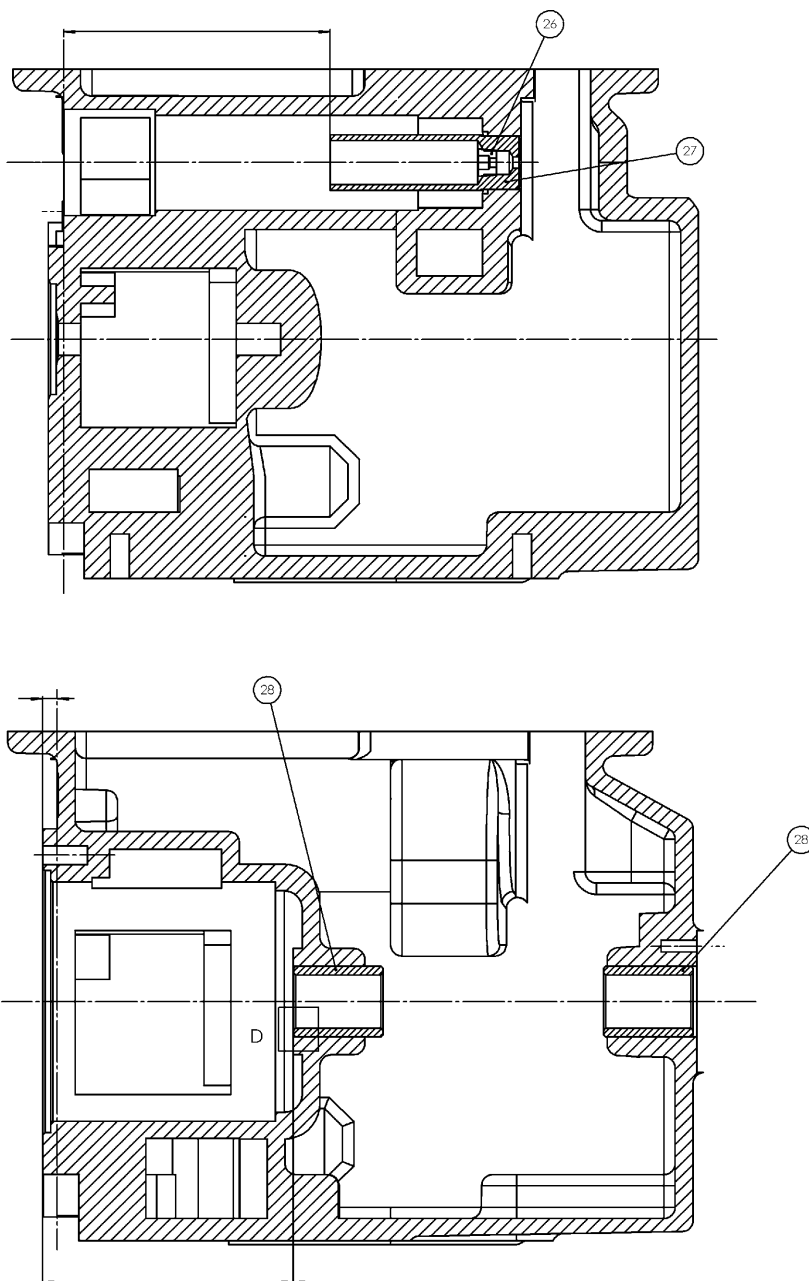
	Part number	Description
1	WM000692	Housing, machined, pump
2		---
3		Identification label
	WM004739-0007	Combined unit, compact pump
	WM004739-0002	Combined unit, pump & meter gasoline s a 40 lpm
	WM004739-0003	Combined unit, pump and meter diesel 40 lpm
	WM004739-0004	Combined unit, pump and meter diesel 70 lpm
	WM004739-0005	Combined unit, pump and meter diesel s a 40 lpm
	WM004739-0006	Combined unit, pump and meter diesel s a 70 lpm
	WM004739-0001	Combined unit, pump and meter gasoline 40 lpm
	WM004739-0020	Fuel pump, internal gear diesel
	WM004739-0021	Fuel pump, internal gear gasoline
4		Fuel meter see page 7 and page 13
5	WM000635-0001	Cover, machined
6	WB000212-0001	Screw, hexagon socket caP, M8 x 20
7	WM001956	O-ring T=3.18, ID=104.8
8	WM002236	Seal screw, hexagon socket cap, M6 x 16
9	WB000211-0001	Screw, hexagon socket cap, M6 x 16
21	WM002282	Seal, V-shape
23	WB000260-0001	Taptite screw, hexagon socket cap, M6 x 16
30	WM000474	Float guide
31	WM002234	Float
32	WM000473	Cover, moulded
33	WM001979	O-ring T=3.5, ID=47
34	WM000611	O-ring formed T=4
35	WM000613	O-ring T=4.0, ID=98
36	WM001438	Plug
37	WM002217	O-ring T=5.0, ID=21
38	WM001440	Pin
40	WM000612	O-ring T=3.5, ID=35

2.1.2 Pump internal gear



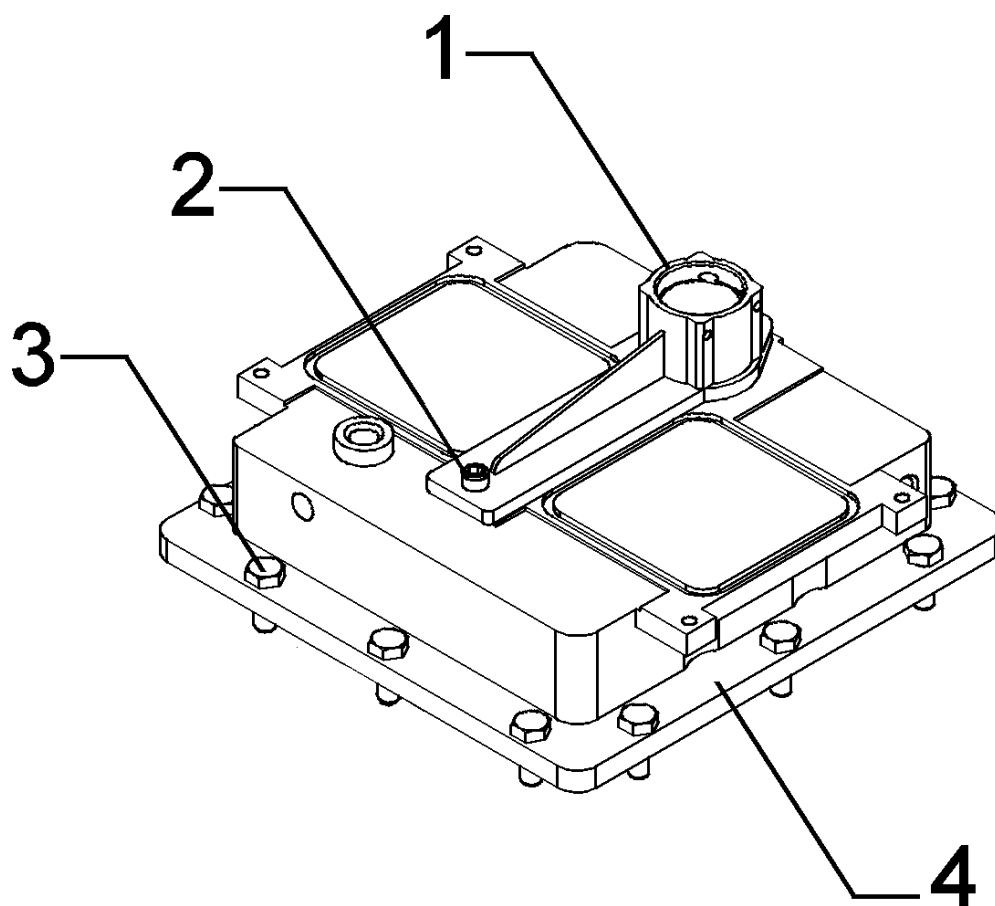
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	Part number	Description
1	WM000692	Housing, machined, pump
3		see page 9
4	WM004736	Sealant Loctite 603
5	WB000211-0001	Screw, hexagon socket cap, M6 x 16
6	WB000212-0001	Screw, hexagon socket cap, M8 x 20
7	WM001956	O-ring T=3.18, ID=104.8
8	WM001420	Idler
9	WM001426	Rotor
10	WB000212-0001	Screw, hexagon socket cap, M8 x 20
11	WM000700	Cover, machined end cap
12	WM001957	O-ring T=1.78, ID=37.82
13	WM001952	Washer, plain ID=15.2, OD=26, T=1.4
14	WM001953	O-ring T=3, ID=28
15	WM001430	Float
16	WM001934	Seal
17	WM001083	Plug 1/4"
18	WM001088	Seal cap
19	WM001089	Gasket ID=17, OD=26, T=0.8
20	WM001434	Cap
21	WM001955	O-ring T=1.78, ID=29.8
22	WM001423	Nut hexagon
23	WM001421	Screw adjusting
24	WM001382	Spring D=18.5, L=58.7
25	WM001383	Damper
29	WM001422	Washer, plain ID=5, OD=10.5, T=1



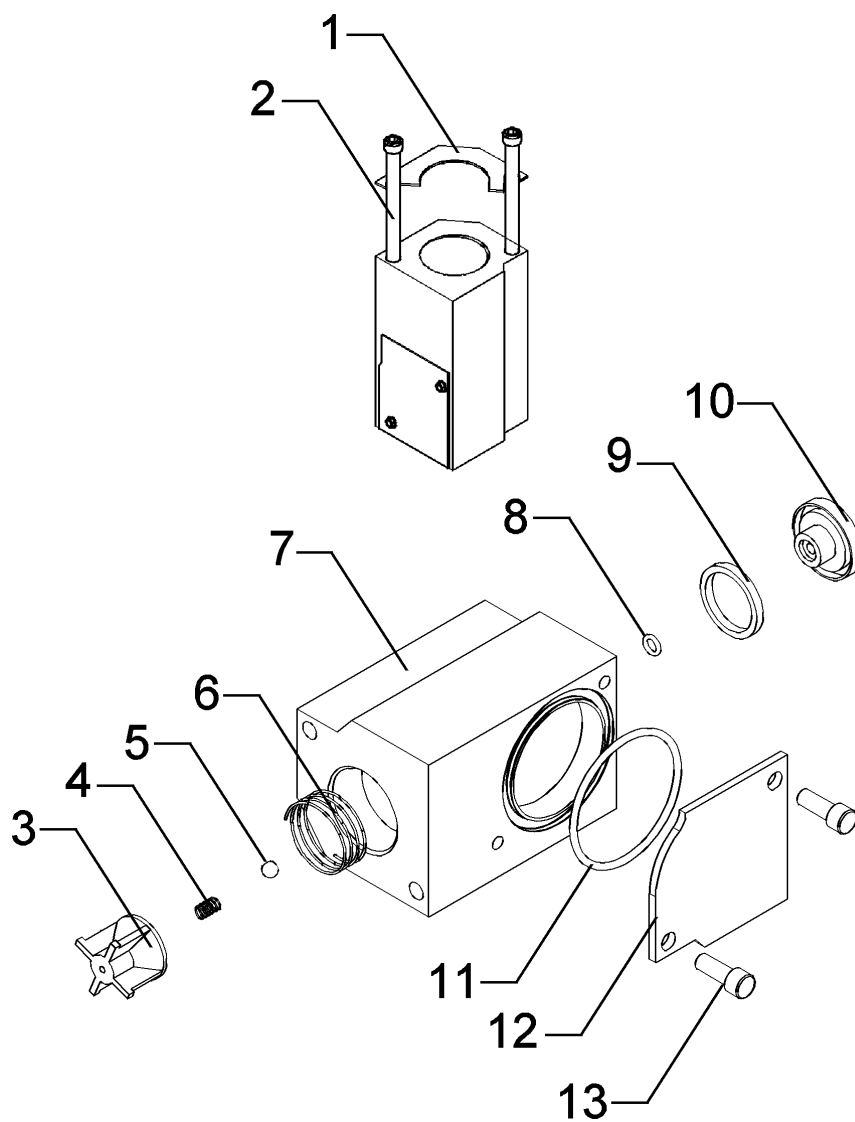
	Part number	Description
26	WM001961	Plug 1/8" NPTF L=6.35, hole=3.3 (Wrench 3/16" see page 60)
27	WM001078	Air separator
28	WM001424	Bushing L=31.8mm

2.1.3 Pump cover without meter



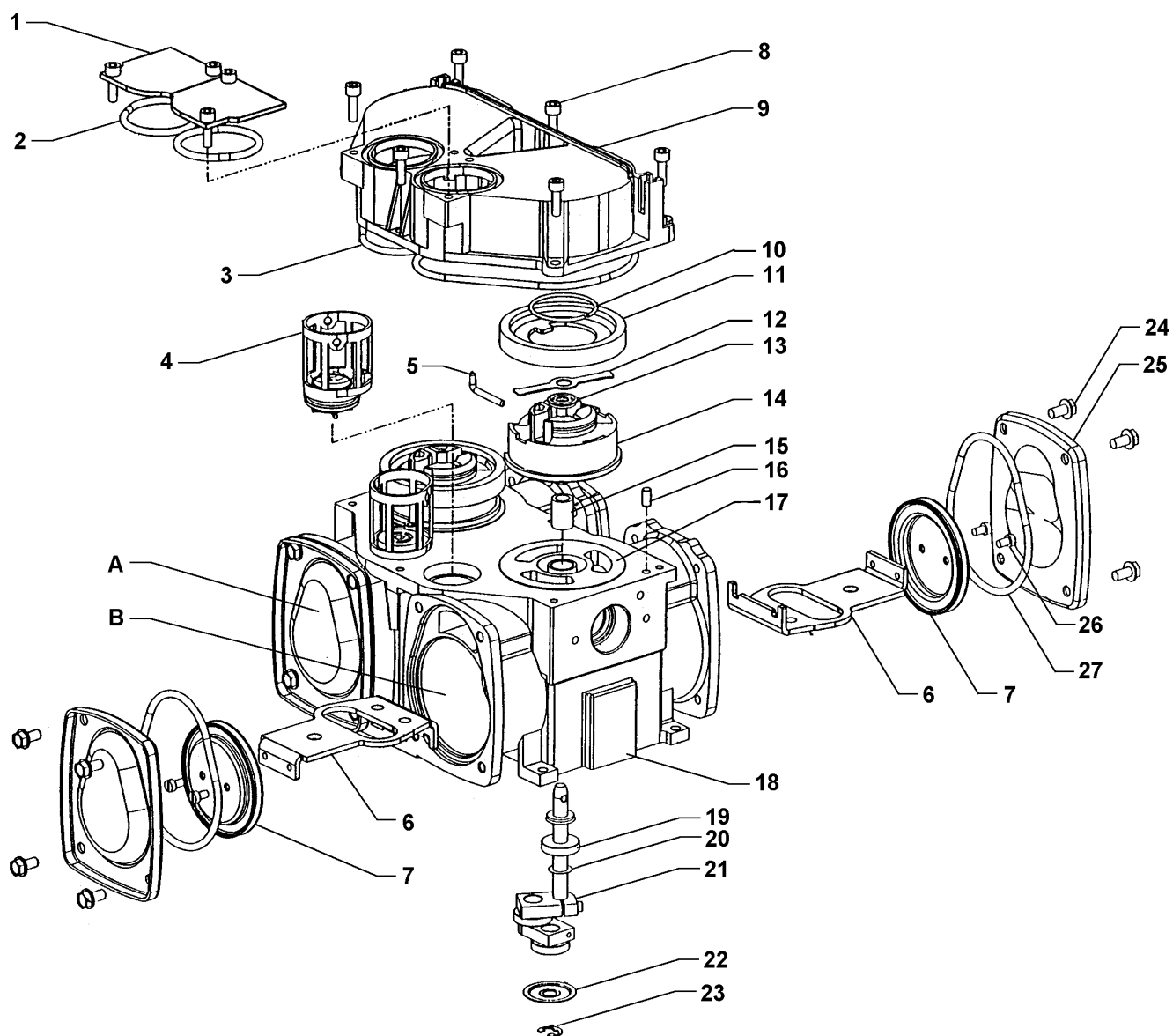
See also page 8 and page 14.

	Part number	Description
1	WM004730	Outlet (see also page 14)
	167363	O-ring
2	WB000211-0001	Screw MC6S 6X16 8.8 FZB
3	1826	Screw M6S 8X22 8.8 FZB
4	167360	Pump cover

2.1.4 Connection (Pump cover without meter)

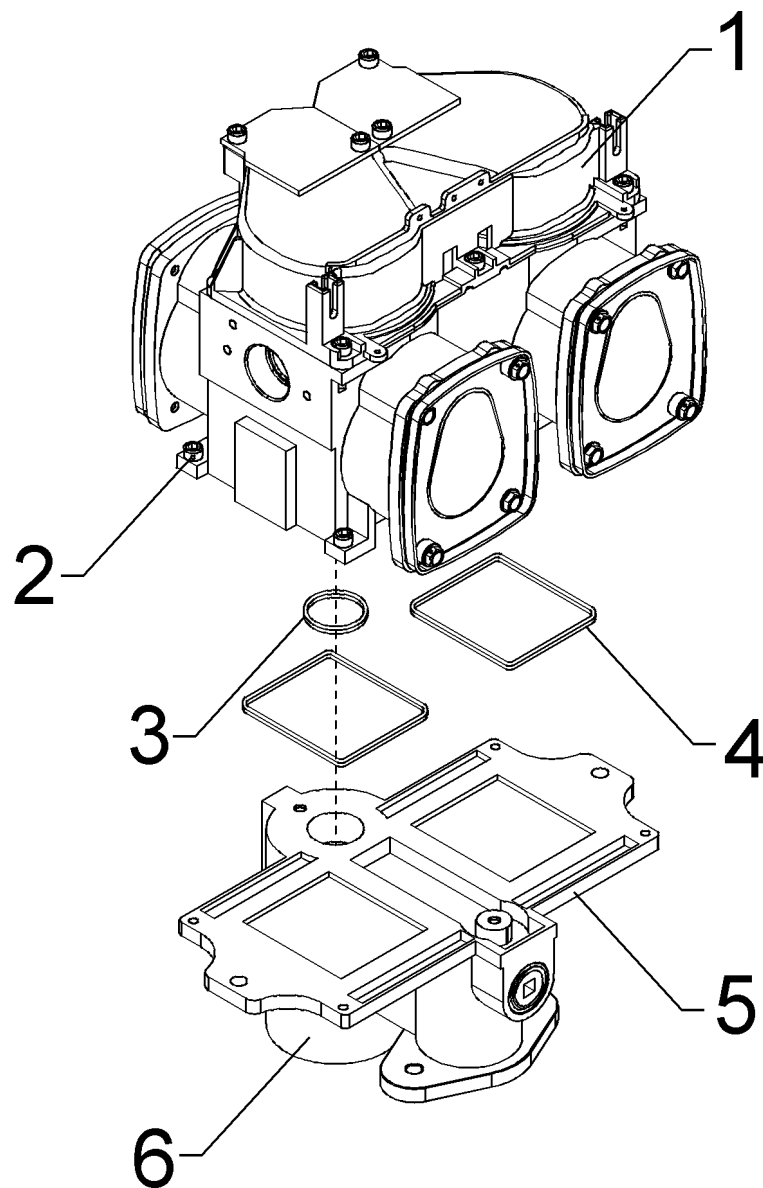
	Part number	Description
	174306	Connector ass'y
1	WM004574	Bracket
2	WB000211-0005	Screw MC6S 6X100 8,8 A2
3	232368	Checkvalve
4	232367	Spring
5	232366	Ball
6	232365	Spring
7	WM004573	Connector
8	232364	O-ring
9	171841	O-ring
10	232363	Checkvalve
11	WM004746	O-ring
12	WM000504	Plate cover
13	WB000211-0001	Screw MC6S 6X16 8.8 FZB

2.1.5 Meter



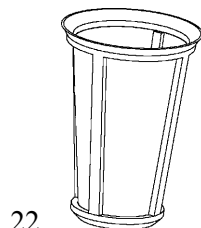
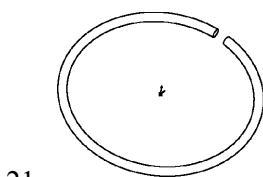
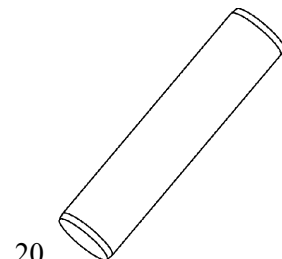
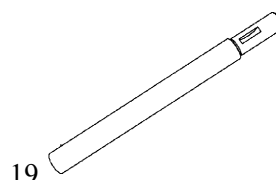
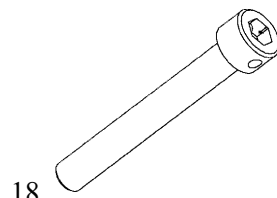
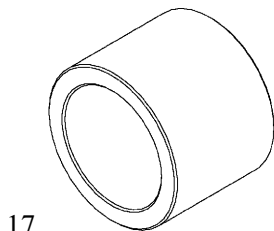
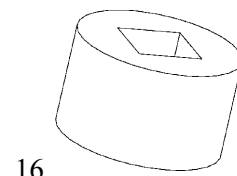
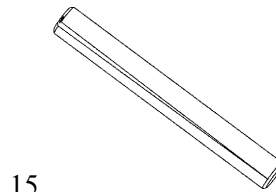
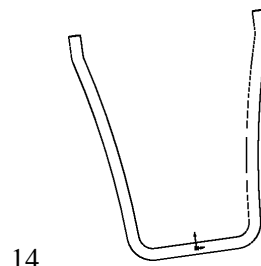
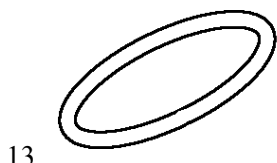
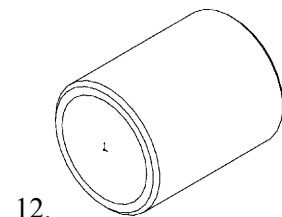
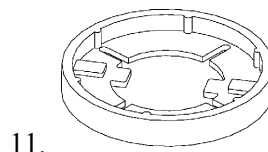
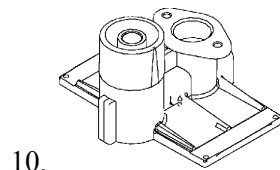
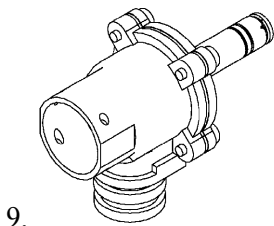
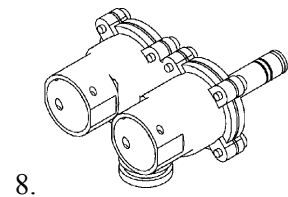
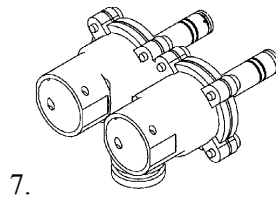
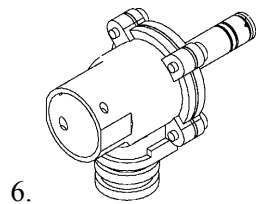
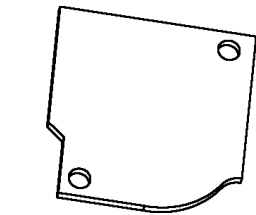
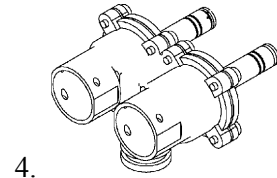
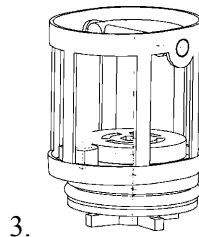
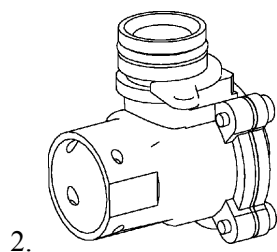
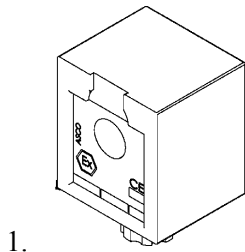
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	WM002376-0001	Meter Duplex ass'y	001-047915
1	WM000504	Cover check	001-201943
2	WM003237	O-ring	001-921075
3	WM003238	O-ring	001-921076
4	452643	Valve ass'y	
	452293	Valve with strainer	002-300954
	WM002390	Plug for checkvalve	
	WM003236	O-ring	001-921074
	WM001109	Plug, D=38.0, L=52.6	
5		Pin, valve	001-201987
6		Yorke meter	001-201948
7		Piston ass'y	-200040
8		SHCS	001-921053
9	167393	Metar dome	001-047870
10		C-spring	001-201956
11	WM000502	Magetic disc	001-301155
12		Leaf spring	001-201947
13		Seal, V-pack	001-300983
14		Valve	001-201945
15		Rulon bearing	001-921039
16		Locator pin	001-201944
17			
18		Meter body	004-047913
19		Bearing	-122552
20		Washer	001-921047
21		Crank ass'y	001-300955
22		Retaining washer	001-201957
23		Retaining ring	001-921072
24		---	
25		---	
26		---	
27	231232	Gasket	

2.1.6 Meter - Dispenser



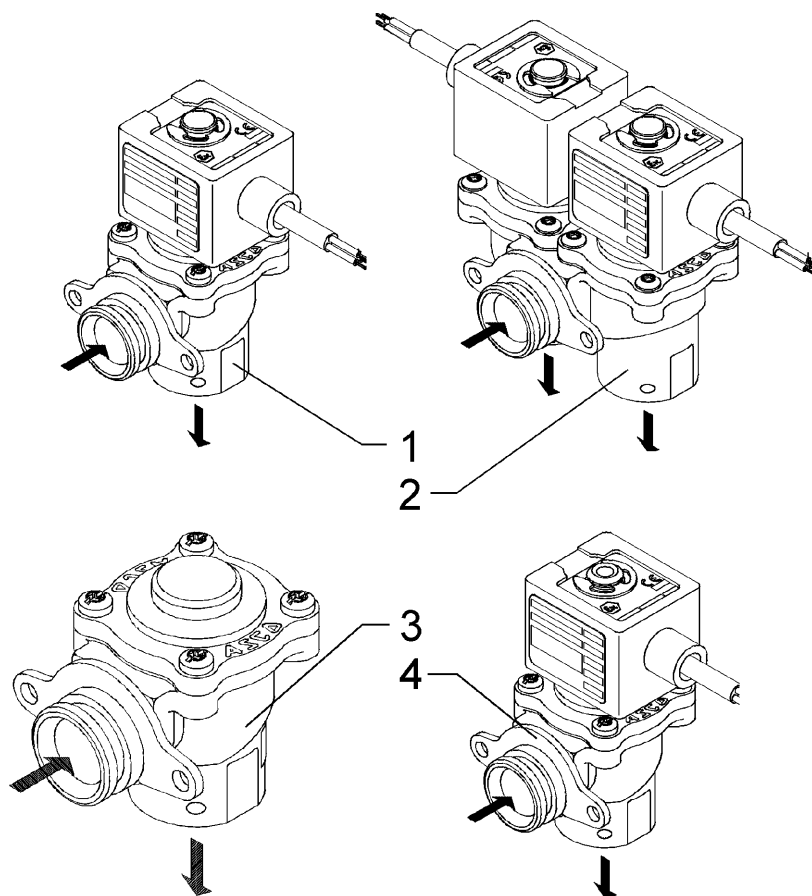
	Part number	Description
		Hydraulic module for dispenser ass'y
	170744	Gasoline duplex 40 l/min
	173510	Gasoline single 40 l/min (sided inlet side)
	170743	Gasoline single 40 l/min (sided pulley side)
	173160	Diesel duplex 70 l/min
	173511	Diesel 70 l/min single (sided inlet side)
	173165	Diesel single 70 l/min (sided pulley side)
1	---	
2	WM002236	Hexagon socket head cap screw type MC6S M6x16 8.8 FZB for seal
	WB000211-0001	Screw MC6S 6X16 8.8 FZB
3	167363	O-ring
4	WM000613	O-ring T=4.0, ID=98
5	170774	Dispenser bottom ass'y
6		Decal (dispenser)
	170758	Gasoline duplex 40 l/min
	173512	Gasoline single 40 l/min (sided inlet side)
	170757	Gasoline single 40 l/min (sided pulley side)
	172782	Diesel duplex 70 l/min
	173513	Diesel 70 l/min single (sided inlet side)
	172783	Diesel single 70 l/min (sided pulley side)

2.1.7 Miscellaneous



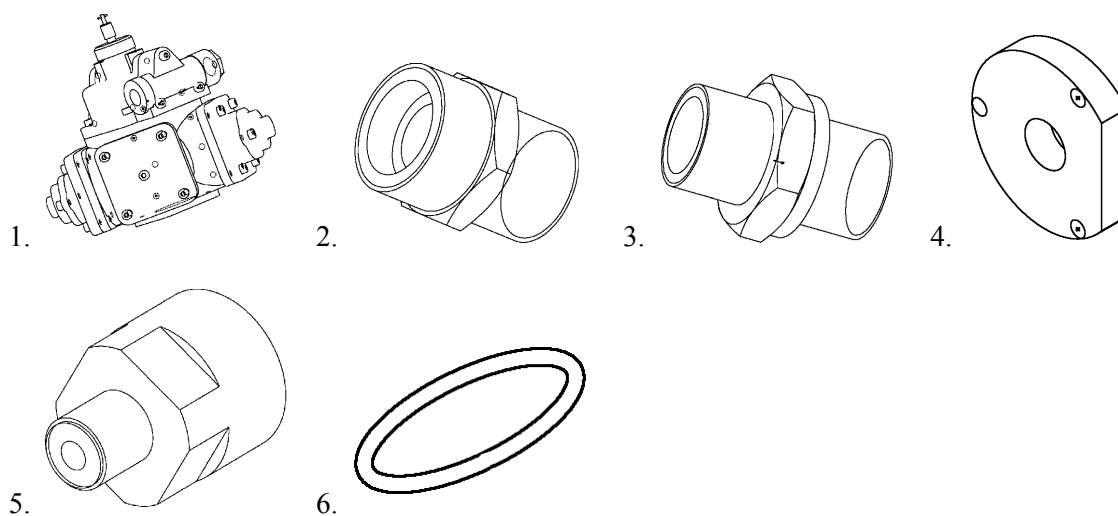
	Part number	Description
	WB000209-0002	Screw, hexagon socket cap, M4 x 20
	WB000212-0002	Screw, hexagon socket cap, M8 x 16
1	WM000332	Atex coil
2	WM004254	Check valve
3	WM000695	Check valve and strainer
4	WM002145	Housing on-off, duplex
5	WM000504	Cover, sheet metal, top
6	WM002144	Housing on-off, single
7	WM000342	Housing proportional, duplex
8	WM000703	Housing proportional, duplex, single equipped right
9	WM000331	Housing proportional, single
10	WM003159	Housing, machined reworked
11	WM000502	Magnet, ring
12	WM002000	Nipple adapter
13		O-ring
	WM001102	T=3.0, ID=112.2
	WM000667	T=3.0, ID=32.2
	WM001101	T=3.0, ID=49.0
	WM000334	T=3.53, ID=23.40
	WM003021	T=4.0, ID=24
14	WM001925	Pin
15	WM004738	Pin
16	WM002001	Plug screw cut 1" - 11 NPTF X 19.05 mm long
17	WM001381	Rotor machined
18	WM004596	Seal screw, hexagon socket cap, M6 x 45
19	WM000698	Shaft
20	WM001399	Shaft
21	WM000497	Spring, C-shape
22	WB000382	Strainer

2.1.8 Valve



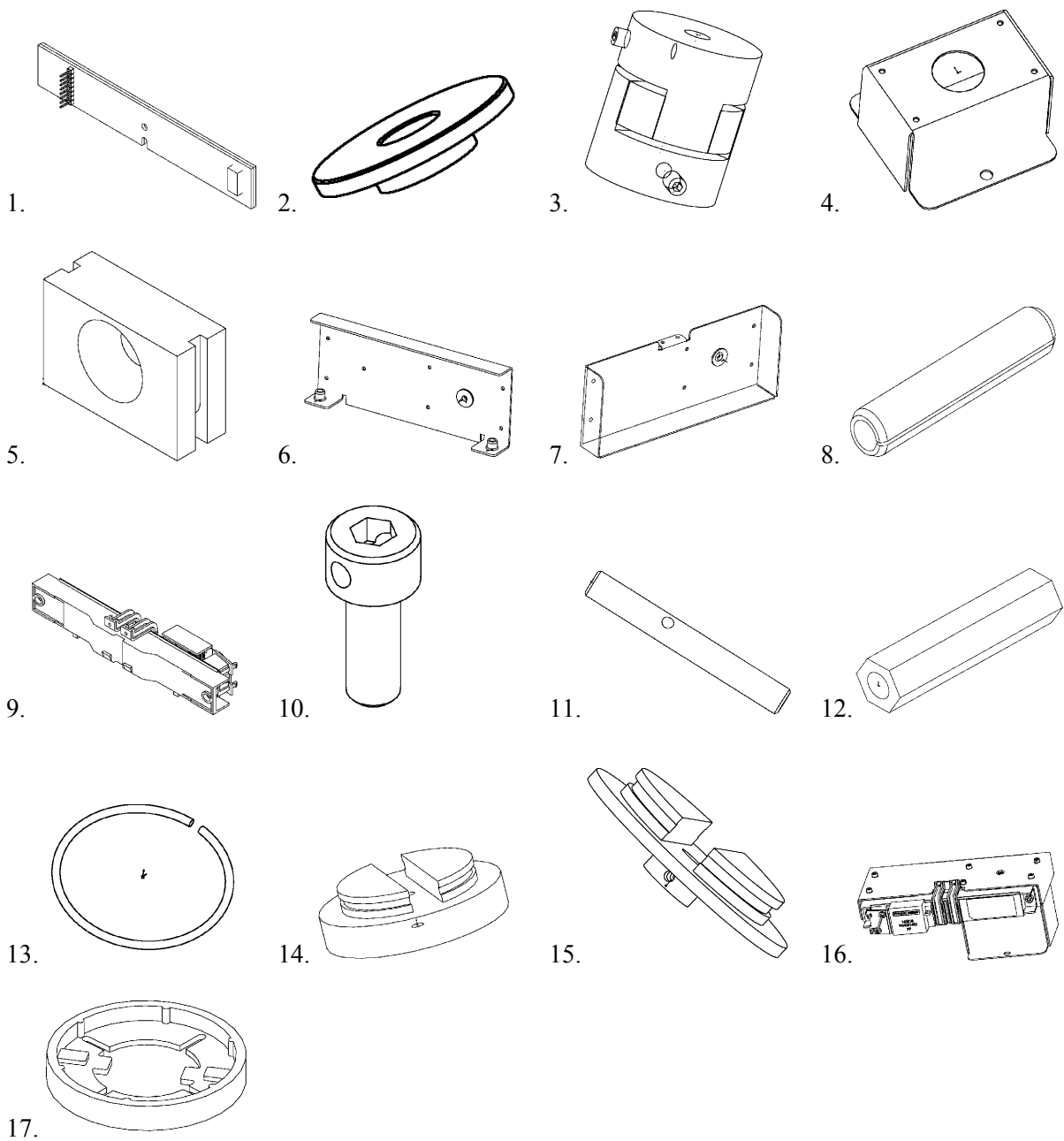
	Part number	Description
	WM000334	O-ring T=3.53, ID=23.4
	WM000341	on/off, duplex
	WM000704	Proportional, duplex, single equipped right
1	WM000337	Proportional solenoid valve 0-70 l/m
2	WM000340	Proportional duplex solenoid valve
3	WM000344	Solenoid adapter
4	WM000338	Solenoid valve on-off 70 l/m

2.1.9 Meter LPG



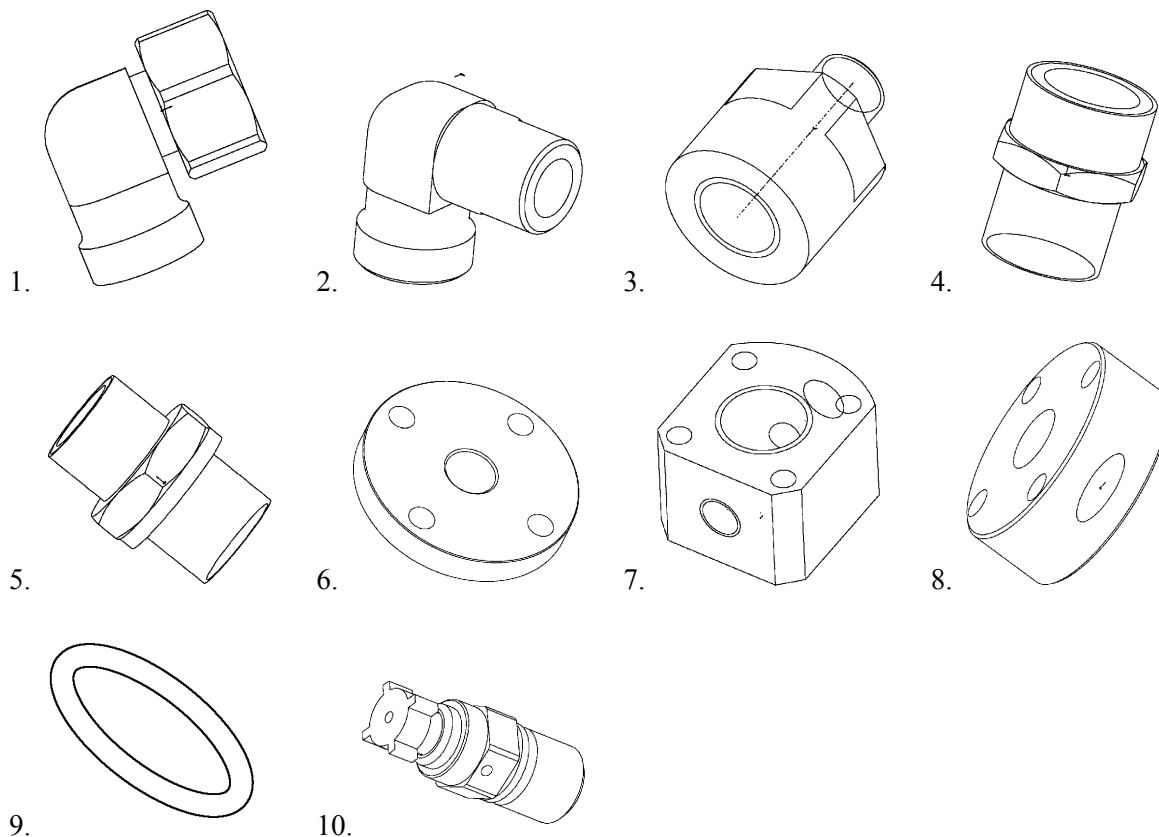
	Part number	Description
	WB000213-0001	Screw, hex head, M8 x 30
	WB000211-0003	Screw, hexagon socket cap, M6 x 20
	WB000233-0003	Washer, lock, M6 ID=6.4, OD=11, T=0.7
	WM003160	Sealant loxal 58-11, thread sealant
1	WM000243	Meter, LPG
2	WM000282	Coupling, straight male GE22 L ¾"NPT
3	WM001489	Coupling, straight male XGE10-LR-ED1/4"
4	WM000924	Flange inlet meter
5	WM000284	Coupling, straight
6	WM000290	O-ring T=3.5, ID=45.26

2.1.10 WIP box assembled - LPG

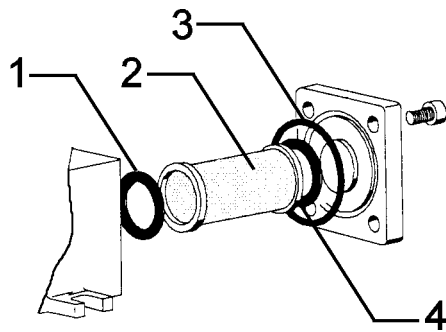
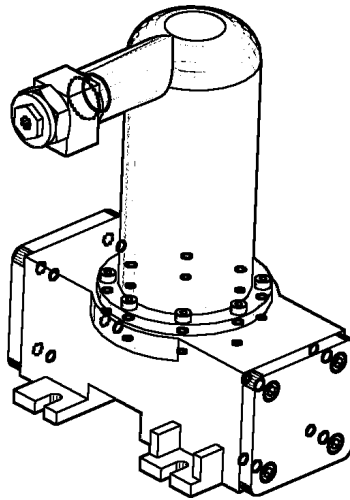


	Part number	Description
	WM001622	Housing, moulded
	WM004366	Identification label pulser, en
	WM001626	Magnet, pin
	WB000219-0001	Pop-nut, open, low profile CSK, hex body, M6 , grip range 0.7 - 3.0
	WB000213-0002	Screw, hex head, M8 x 12
	WB000209-0001	Screw, hexagon socket cap, M4 x 10
	WB000584-0001	Washer , shim, ID=6 ID, OD=12, T=0.2
	WB000233-0002	Washer, lock, M4 ID=4.3, OD=8, T=0.5
	WB000233-0004	Washer, lock, M8 ID=8.4, OD=15, T=0.8
	WM004043	Grease shell retinax EP2
1	WM001635	Board
2	WM003451	Bushing WIP box, ID=6, OD=10, L=6
3	WM004176	Coupling Rotex GS14 D1=6 D2=12
4	WM003435	Cover, sheet metal WIP box connetion
5	WM001624	Grommet
6	WM003443	Housing, sheet metal WIP box, base
7	WM004167	Housing, sheet metal WIP box, top
8	WB000586-0001	Locator pin OD=2.5, L=14
9	U WM001682-0001	Pulser
10		Seal screw, hexagon socket cap
	WM003767	M4 x 10
	WM002236	M6 x 16
11	WM003450	Shaft WIP box
12	WB000407-0002	Spacer M4 x 30, hexagonal
13	WM000497	Spring, C-shape
14	WM003449	Wheel WIP box, blind wheel
15	WM003446	Wheel WIP box, for magnet ring
16	WM004177	WIP box, assembled
17	WM000502	Magnet, ring

2.1.11 Filter LPG

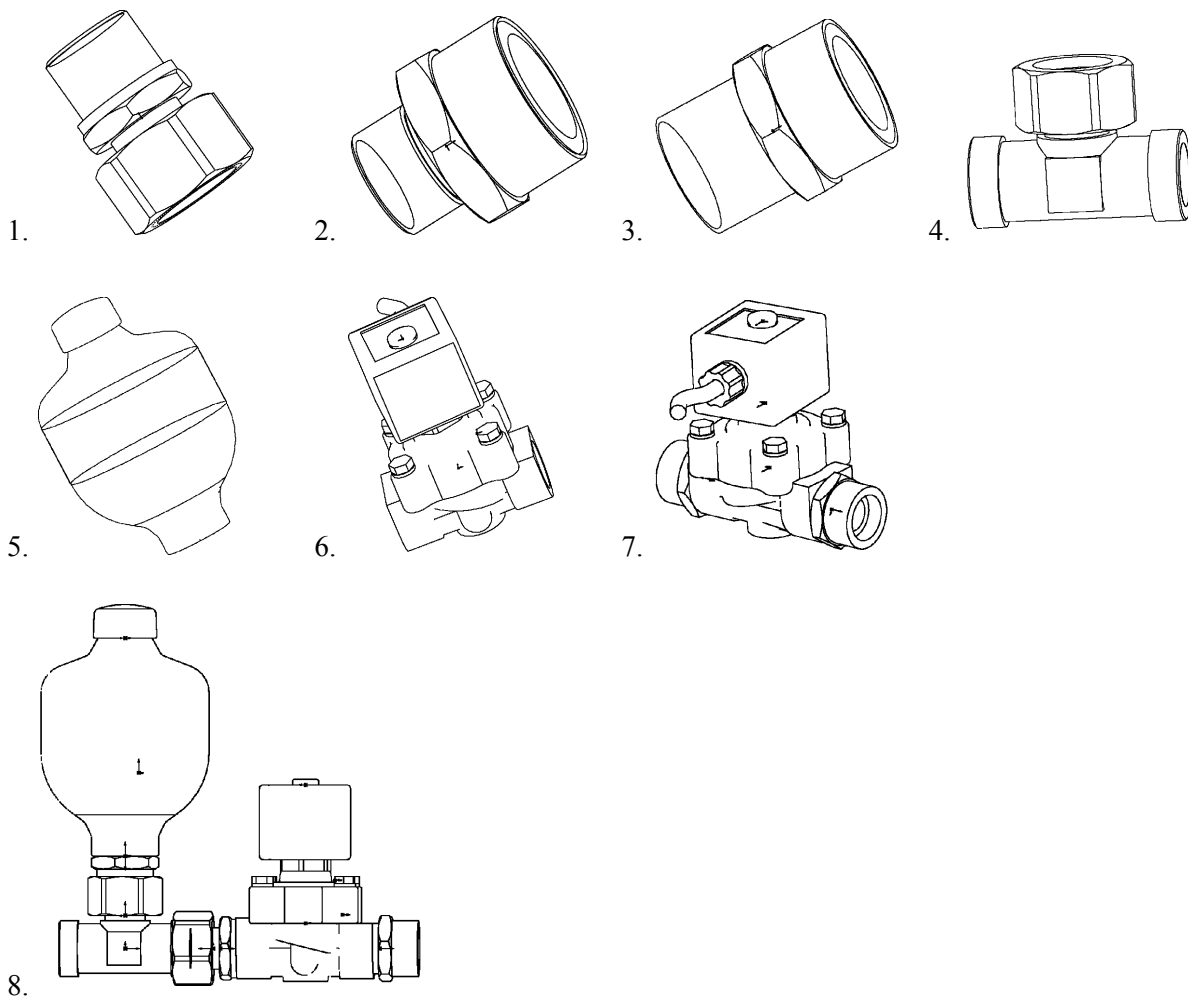


	Part number	Description
	WB000228-0006	Nut, M10
	WB000576-0001	Screw, hex head, M10 x 30
	WB000577-0001	Screw, hex head, M12 x 30
	WB000210-0002	Screw, hexagon socket cap, M5 x 25
	WB000211-0002	Screw, hexagon socket cap, M6 x 45
	WB000233-0005	Washer, lock, M10 ID=10.5, OD=18, T=0.9
	WB000232-0005	Washer, plain, M10 ID=10.5, OD=20, T=2
	WM003160	Sealant loxeal 58-11, thread sealant
1	WM001505	Coupling, 90 degree EW22-PL
2	WM002177	Coupling, 90 degree WE22-PL 3/4" NPT
3	WM000284	Coupling, straight
4	WM000282	Coupling, straight male GE22 L 3/4" NPT
5	WM001489	Coupling, straight male XGE10-LR-ED1/4"
6	WM000922	Flange inlet filter
7	WM000923	Flange outlet filter
8	WM000276	Flange return filter
9		O-ring
	WM000296	T=2.0, ID=17.0
	WM000293	T=2.5, ID=31.74
	WM000290	T=3.5, ID=45.26
10	WM003981	Valve venting valve



	Part number	Description
	WM000226	Degasing unit (with filter, LPG)
1		Gasket
2		Filter
3		O-ring
4		Gasket

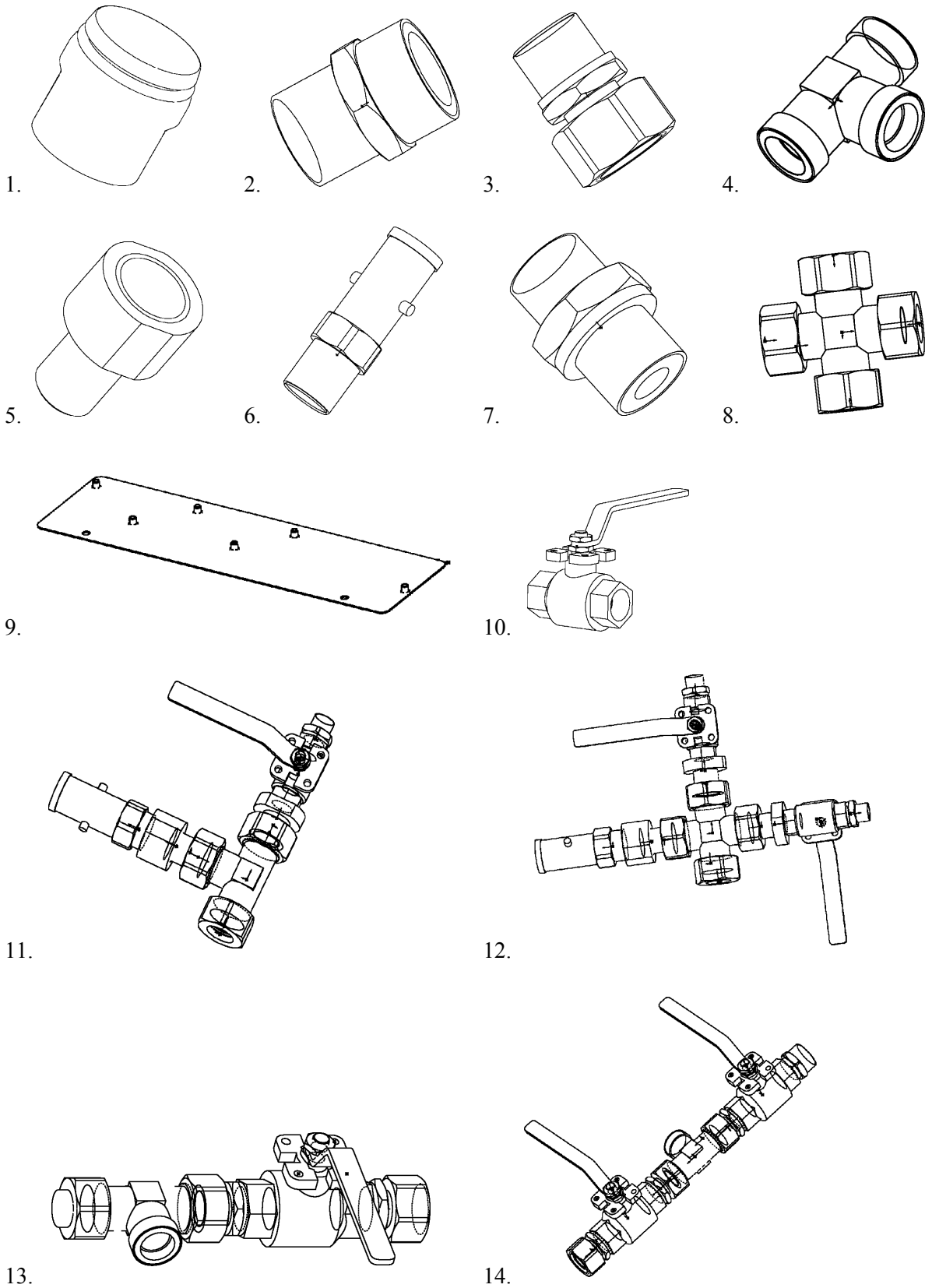
2.1.12 Valve LPG



	Part number	Description
	WM003160	Sealant Loxeal 58-11, thread sealant
1	WM001503	Coupling, straight EGE22-LR-ED
2	WM004945	Coupling, straight GE22 PLR G1/2
3	WM001491	Coupling, straight male, GE22 PLR 3/4"
4	WM004952	Coupling, T-coupling adjustable, ET22-PL
5	WM002194	Diaphragm-type accumulator
6	WM002190	Solenoid valve, on/off LPG
7	WM003399	Solenoid valve, on/off, single LPG
8	WM003400	Solenoid valve, on/off LPG, with diaphragm accumulator

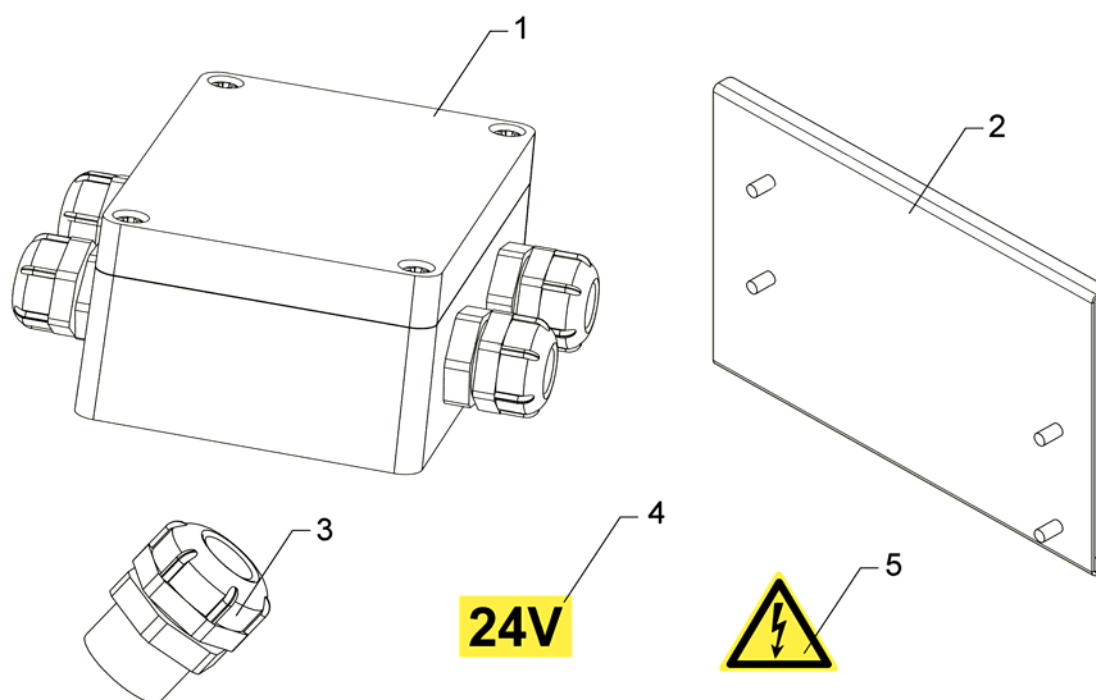


2.1.13 Miscellaneous LPG

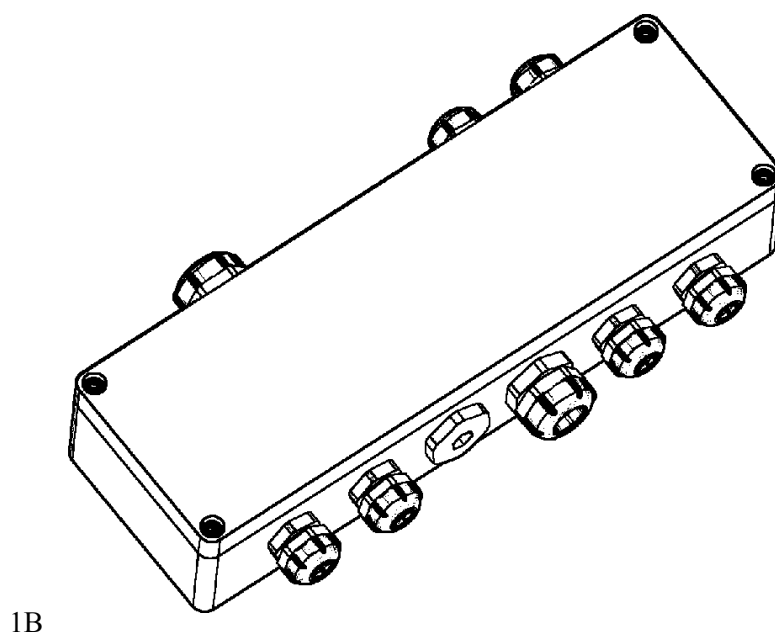


	Part number	Description
	WB000211-0001	Screw, hexagon socket cap, M6 x 16
	WB000215-0001	Pop-nut, open, low profile csk, M4 , grip range 0.5 - 2.0
	WM004189	Nut M 22-L
	WM003160	Sealant loxcal 58-11, thread sealant
1	WM004679	Plug blanking VKA22
2	WM001491	Coupling, straight male, GE22 PLR 3/4"
3	WM001503	Coupling, straight EGE22-LR-ED
4	WM000925	Coupling, T-coupling male T22-PL
5	WM001468	Coupling, straight red.coupling 3/4NPTxD22
6	WM001480	Valve fill up valve
7	WM001490	Coupling, straight male, GE10-PL-R3/8"
8	WM002186	Coupling, cross K22-PL
9	WM004872	Support, flat LPG junction boxes
10		Ball valve female
	WM000268	3/4"
	WM001495	3/8"
11	WM004699	Coupling return LPG single with fill up valve
12	WM002187	Coupling return LPG DUO with fill up valve
13	WM004683	Coupling Inlet LPG single
14	WM002184	Coupling inlet LPG DUO

2.2 Junction box

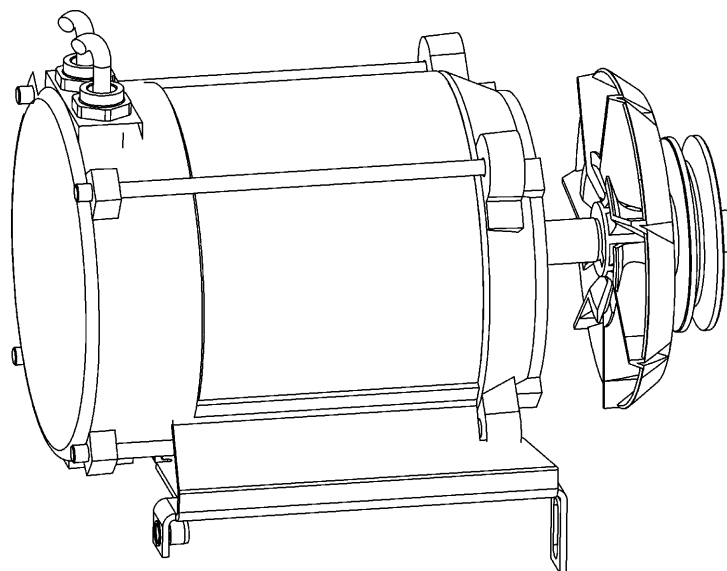


(see also "Labels" page 56)



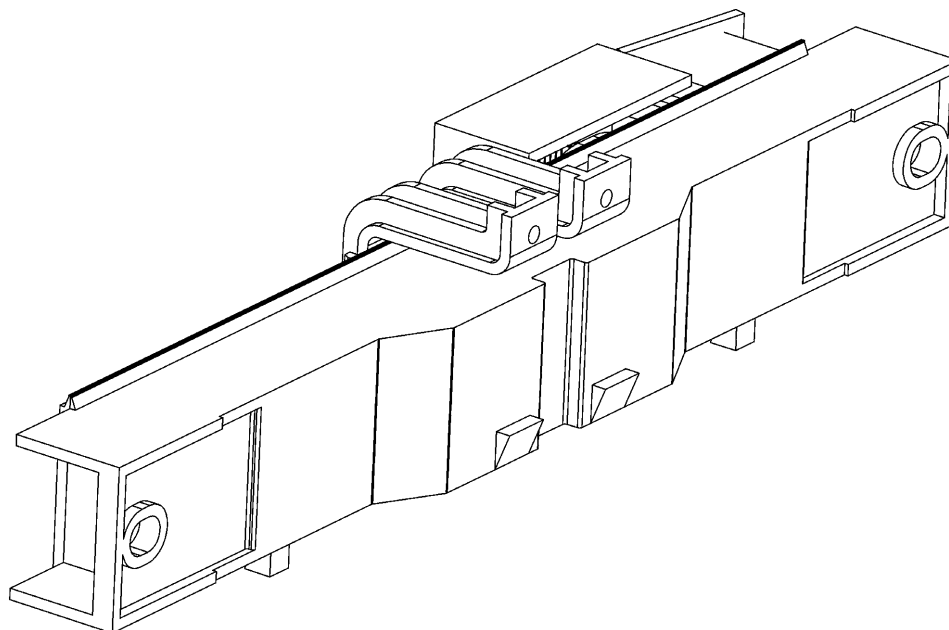
	Part number	Description
1		Junction box High voltage 230V/400V
	WM001734	3-phase-230V
	WM001737	1-phase-230V
	WM005129	3-phase-230V suction
	WM005149	1-phase-230V suction UK
	WB000209-0002	Screw, hexagon socket cap, M4 x 20
		Junction box High voltage dispenser 230V/400V
	WM001740	Dispenser
	WM001741	Dispenser UK
	WB000209-0002	Screw, hexagon socket cap, M4 x 20
		Junction box Data 230V/400V
	WM001736	Box data
	WM001739	Data UK
	WB000209-0002	Screw, hexagon socket cap, M4 x 20
		Junction box SAT, MPI and Fafnir
	WM001540-0001	Grommet M20, dia 8-13 mm
	WM001604	Grommet M16, dia 5-8 mm
	WM003290	Data SAT MPI
	WM003291	Data SAT MPI UK
	WB000209-0002	Screw, hexagon socket cap, M4 x 20
		Junction box High voltage LPG and dispenser VR
	WM001540-0001	Grommet M20, dia 8-13 mm
	WM003288	3-phase-230V UPL dispenser
	WM003289	1-phase-230V UPL dispenser
	WB000209-0002	Screw, hexagon socket cap, M4 x 20
	WM003241	Grommet M25, blind
		Junction box UPS and UPL
	WM003292	UPS 230V
	WM003293	UPS 230V UK
	WB000209-0002	Screw, hexagon socket cap, M4 x 20
		Junction box CODAB
	WM003294	CODAB
	WM003295	CODAB UK
	WB000209-0002	Screw, hexagon socket cap, M4 x 20
		Junction box B2B (Support, See page 31)
	1B WM005817	LPG
	2 WM005190	Support, U-shape
	3	Grommet
	WM001604	M16, dia 5-8 mm
	WM001540-0001	M20, dia 8-13 mm
		Instruction label (see also "Labels" page 56)
	4 WM003327	24 V
	WM003326	Warning/achtung, high voltage (DE)
	5 WM003332	Sticker high voltage

2.3 Motor

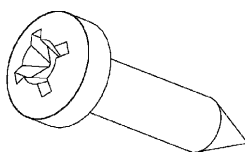


	Part number	Description
	WM001452	Fan plastic
		V-Belt
	WM007324	Z-profile SPZ 772
	WM003054	Z-profile SPZ 787
	WM004363	Z-profile SPZ 792
	WM003055	Z-profile SPZ 800
		Motor
	WM001455	1-phase 0.75 kW, 230 V, 50 Hz
	WM001451	1-phase 1.1 kW, 230 V, 50 Hz
	WM001487-0001	3-phase 0.75 kW, 230 V, 50 Hz
	WM001487-0002	3-phase 0.75 kW, 400 V, 50 Hz
	WM004409-0002	3-phase 0.75 kW, 400 V, 50 Hz, Croatia
	WM004409-0001	3-phase 0.75 kW, 400 V, 50 Hz, Slovenien
	WM001488-0002	3-phase 1.1 kW, 230 V, 50 Hz
	WM001488-0003	3-phase 1.1 kW, 400 V, 50 Hz
	WM004410-0002	3-phase 1.1 kW, 400 V, 50 Hz, Croatia
	WM004410-0001	3-phase 1.1 kW, 400 V, 50 Hz, Slovenien

2.4 Pulser



1.



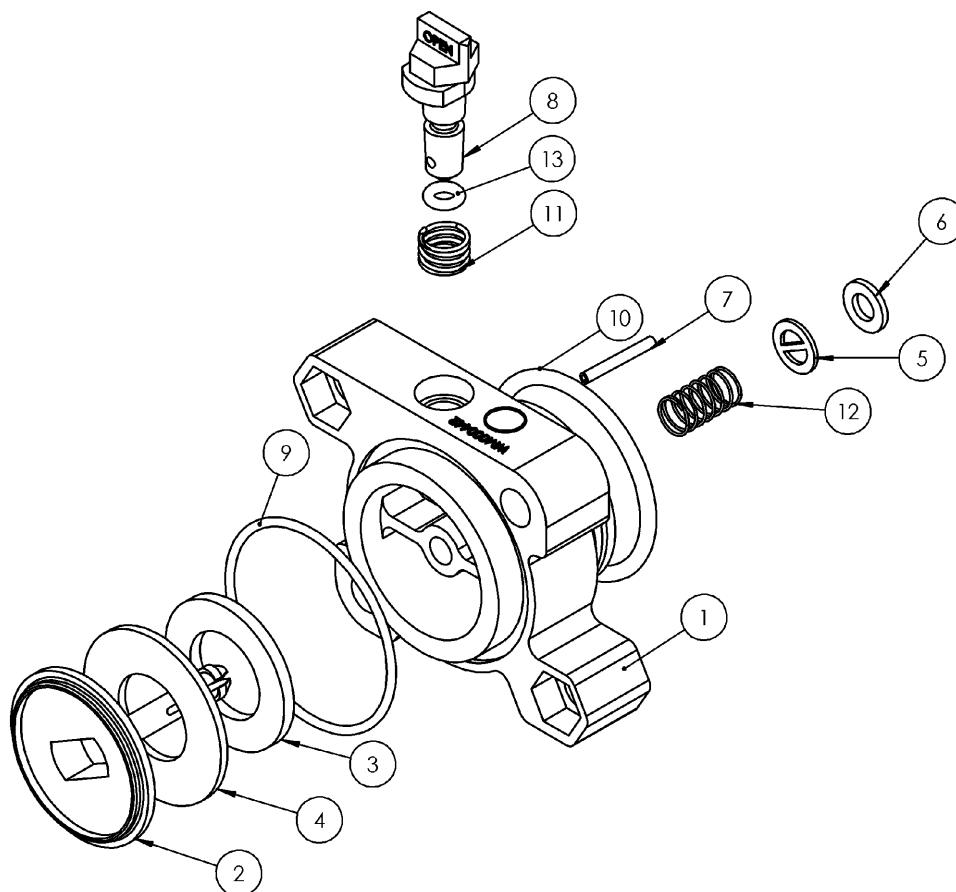
2.

WIP box assembled - LPG, see page 24.

		Part number	Description
		WB000211-0001	Screw, hexagon socket cap, M6 x 16
		WB000228-0003	Nut, M6
1	U	WM001682-0001	Pulser
2		WB000396-0001	Self tapping screw, poz, pan head, type C ST2,9 x 13

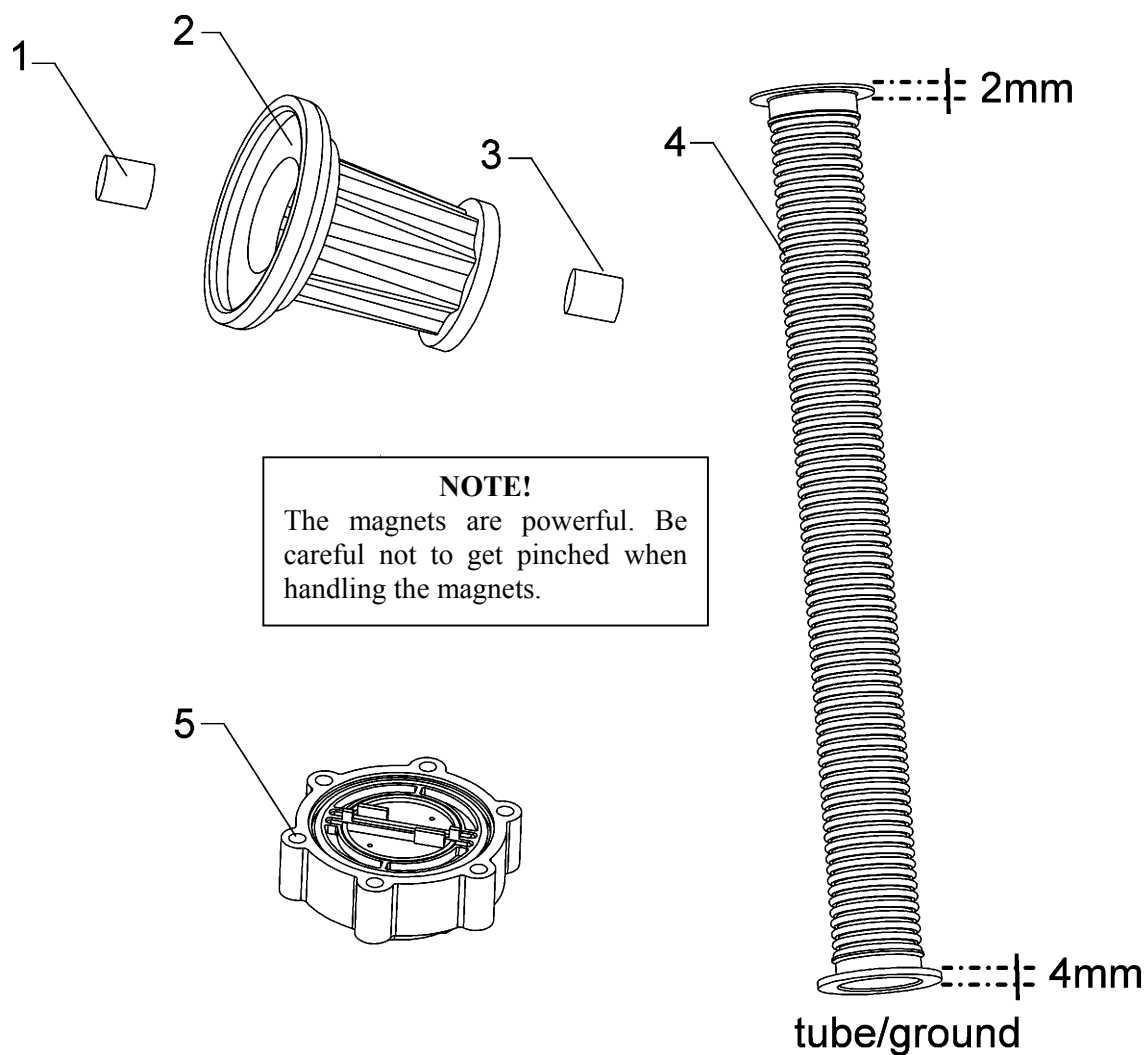
2.5 Inlet

2.5.1 Check valve - inlet



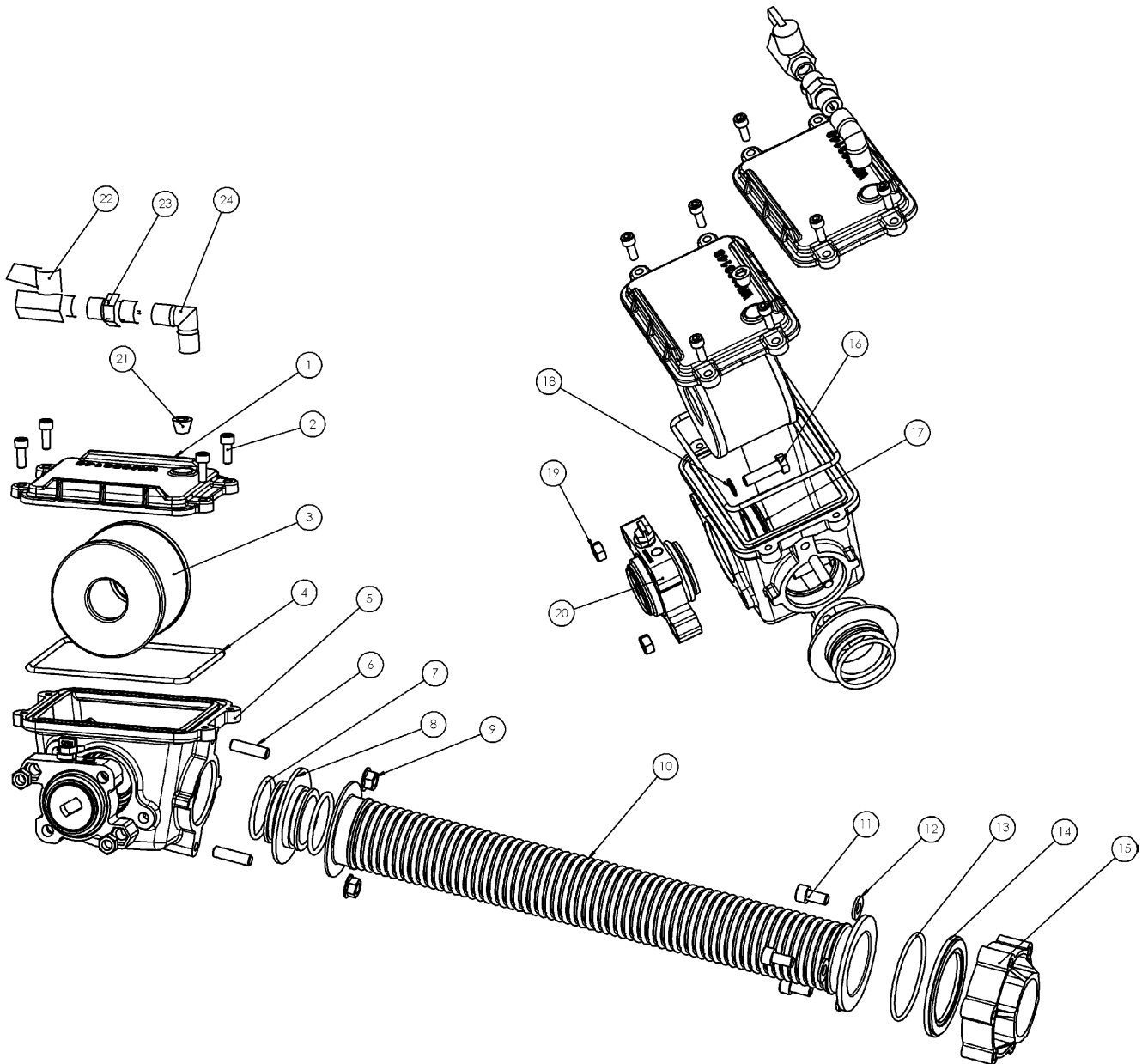
	Part number	Description
	WB000212-0001	Screw, hexagon socket cap, M8 x 20
	WB000213-0001	Screw, hex head, M8 x 30
	WB000398-0001	Nut, M8, hex flange
	WM000470	Check valve
1	WM000442	Housing, machined
2	WM000443	Valve
3	WM000469	Washer, plain ID=21.0, OD=36.0, T=3.0
4	WM000466	Gasket
5	WM000445	Washer, retaining ID=8.0, OD=12.5, T=1.0, with extra rib
6	WM000468	Washer, plain ID=6.4, OD=12.0, T=1.5
7	WM000467	Spring, PIN L=20, OD=2.5
8	WM000444	Knob
9	WM000464	O-ring T=2.0, ID=47
10	WM000462	O-ring T=3.5, ID=42
11	WM000454	Spring T=1, ID=10, C=2.54 N/mm
12	WM000456	Spring T=0.55, ID=7.95
13	WM000465	Oring t=2.4, ID=4.3

2.5.2 Global Inlet



	Part number	Description
	WM002583	Global inlet
1,3	WM002209	Magnet, block OD=12, L=13
2	WM000436	Strainer
4		Tube, flexible
	WM000788-0001	350 mm (option)
	WM000788-0005	425 mm (Standard)
	WM000788-0003	625 mm (option)
5	WM000449	Valve non return
	WM00446	O-ring t

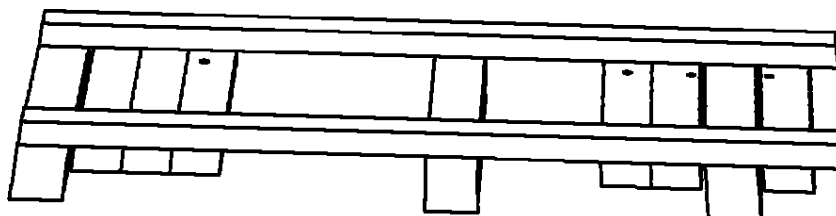
2.5.3 Large filter pot inlet



	Part number	Description
		Large filter pot ass'y
	WM005610-0001	Large filter pot, standard
	WM005610-0002	Large filter pot, W&M
	WM005610-0003	Large filter pot hydro filter
	WM005610-0004	Large filter pot W&M and hydro filter
	WM003160	Sealant loxal 58-11, thread sealant
1	WM007308-0002	Cover, machined with hole (see also WB000367-0002)
2	WB000211-0001	Screw, hexagon socket cap, M6 x 16
3		Filter
	WM003157	Cellulose
	WM007580	Hydro (indicates water)
4	WM003151	O-Ring formed T=4
5	WM003814	Housing, machined
6	WB000375-0001	Stud, M8 x 30
7	WM000462	O-ring T=3.5, ID=42
8	WM005720	Coupling
9	WB000398-0001	Nut M8 (for galvanic isolation use washer WM000627-001 and lock nut WB000229-0004)
10		Tube, flexible
	WM000788-0001	350 mm (option)
	WM000788-0005	425 mm (Standard)
	WM000788-0003	625 mm (option)
11	WB000212-0002	Screw, hexagon socket cap, M8 x 16
12	WB000415-0001	Washer Nylon, M8 ID=8.4, OD=18, T=2 (galvanic isolation)
13	WM000446	O-ring T=3.0, ID=64.5 (galvanic isolation)
14	WM003830	Ring (galvanic isolation)
15	WM000449	Valve non return
16	WB000213-0001	Screw, hex head, M8 x 30
17	WM003152	Seal (rubber)
18	WM003154	Gasket ID=8.5, OD=14, T=1
19*	WB000228-0004	Nut, M8
20	WM000470	Check valve (see also page 36)
21	WB000367-0002	Plug, hexagon socket pipe plug R3/8" (use WM003160 Sealant loxal)
22	WM005296	Ball valve straight, male and female G 3/8
23	WM005456	Check valve
24	WM005416	Coupling, 90 degree

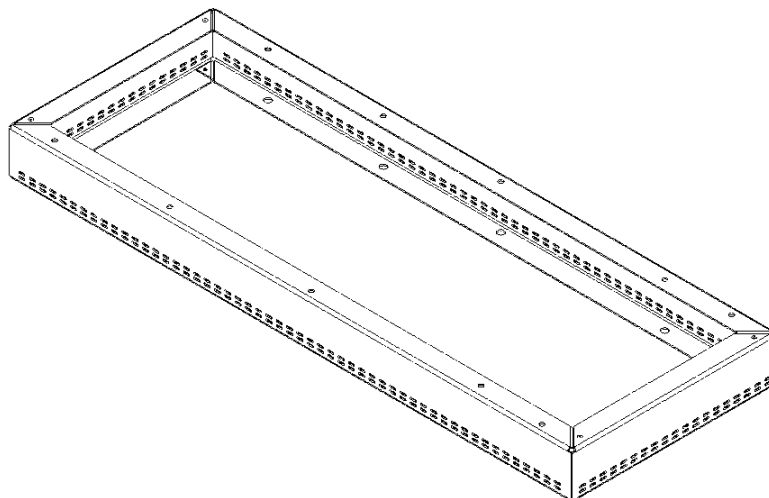
2.6 Pallet/Drip-pan/Extended base frame/foundation frame

2.6.1 Pallet



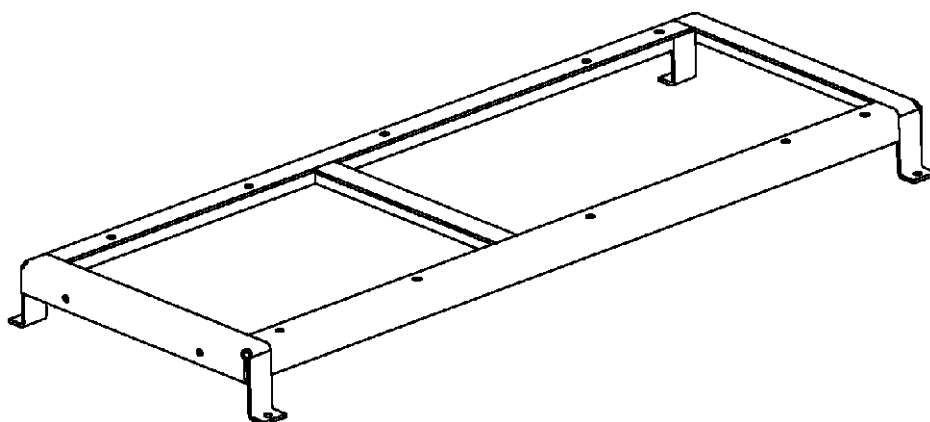
	Part number	Description
		Pallet
	WM003665	L=1315 mm
	WM003666	L=1590 mm
	WM003667	L=1850 mm

2.6.2 Extendend base frame



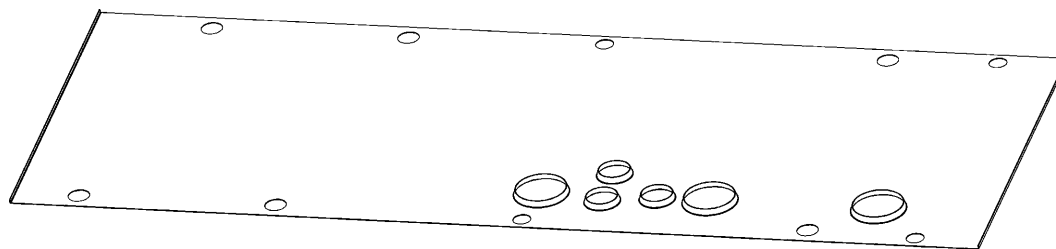
	Part number	Description
		Extendend base frame
	WM004160	C11-11
	WM004161	C22-22
	WM004162	C33-33
	WM004163	C44-42
	WM004164	C44-43
	WM004165	C44-44

2.6.3 Foundation frame



	Part number	Description
		Foundation frame
	WM004018	3 hydraulics, 1 nozzle
	WM004019	3 hydraulics, 2 nozzle
	WM004020	3 hydraulics, 3 nozzle
	WM004023	4 hydraulics, 2 nozzle
	WM004022	4 hydraulics, 3 nozzle
	WM004021	4 hydraulics, 4 nozzle
		Foundation frame B2B
	WM006061	3 hydraulics, 1 nozzle B2B
	WM006055	3 hydraulics, 2 nozzle B2B

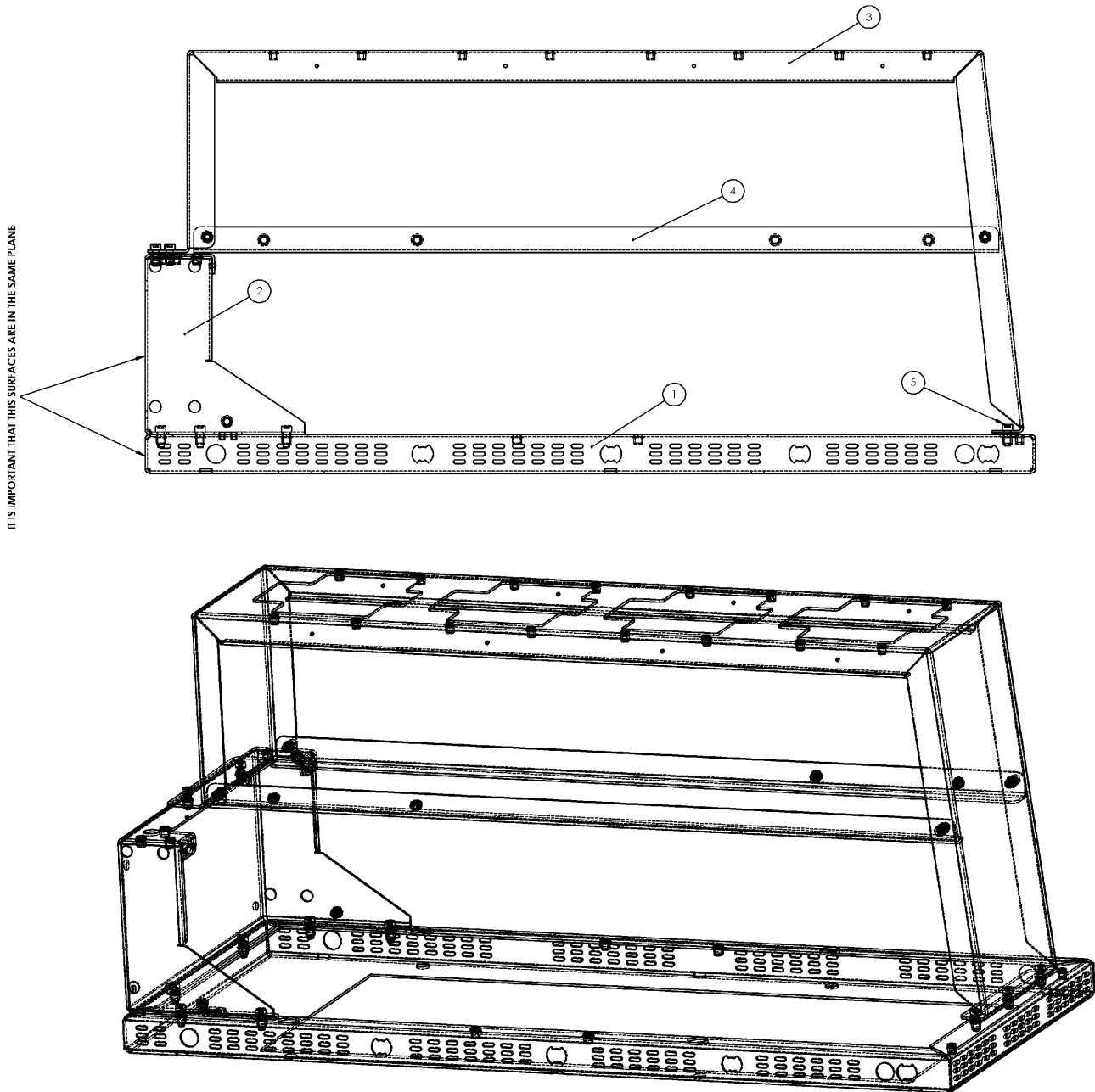
2.6.4 Drip-pan

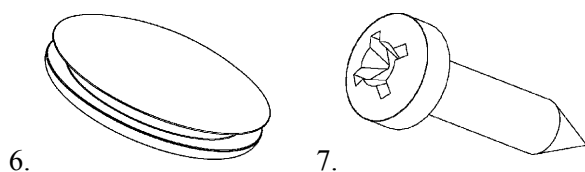


	Part number	Description
		Drip-pan
	WM002859	3 hydraulics + 1 nozzle module L=1100 mm
	WM002858	3 hydraulics + 2 nozzle modules L=1240 mm
	WM002854	3 hydraulics + 3 nozzle modules L=1380 mm
	WM003030	4 hydraulics + 2 nozzle modules L=1500 mm
	WM003029	4 hydraulics + 3 nozzle modules L=1640 mm
	WM002860	4 hydraulics + 4 nozzle modules L=1780 mm
		Drip-pan B2B
	WM005696	11-11 LPG B2B L=1230 mm
	WM005689	3 hydraulics + 1 nozzle modules B2B L=1090 mm
	WM005690	3 hydraulics + 2 nozzle modules B2B L=1230 mm
	WM005691	3 hydraulics + 3 nozzle modules B2B L=1370 mm
	WM005692	4 hydraulics + 2 nozzle modules B2B L=1490 mm
	WM005693	4 hydraulics + 3 nozzle modules B2B L=1630 mm
	WM005694	4 hydraulics + 4 nozzle modules B2B L=1770 mm

2.7 Framework hydraulics

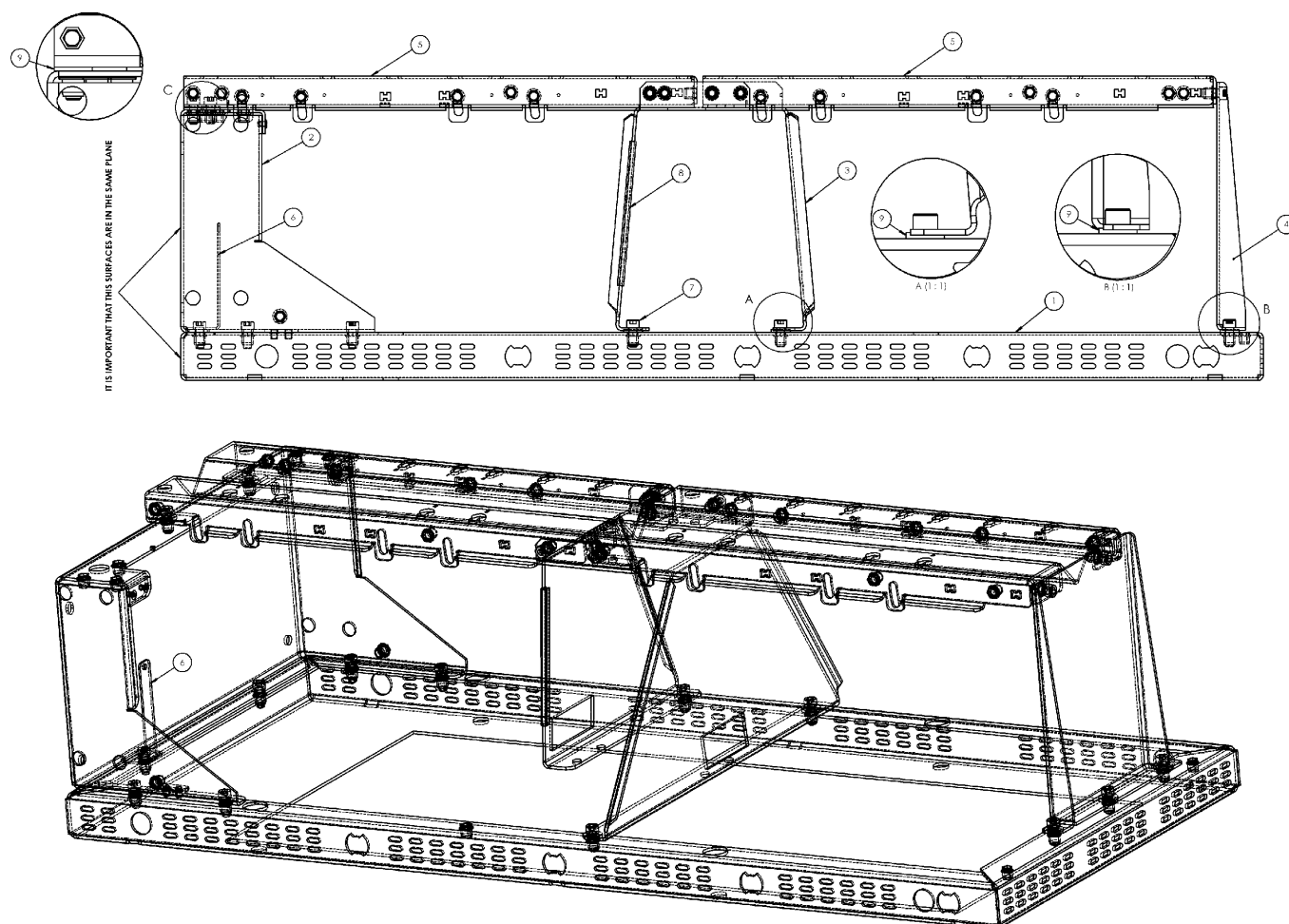
2.7.1 Dispensers





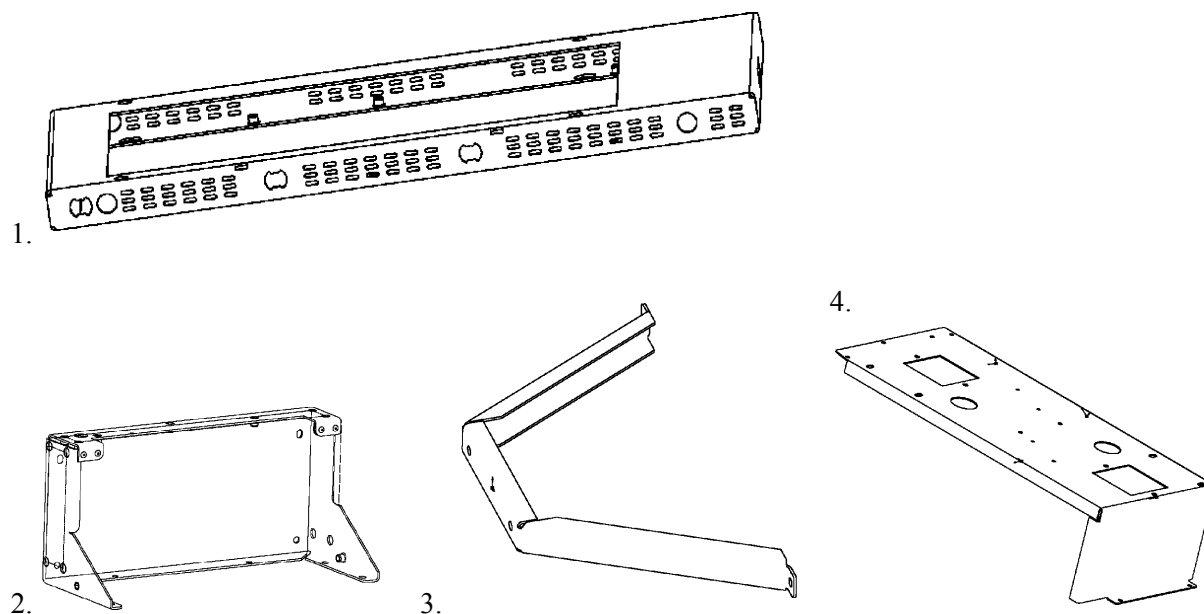
	Part number	Description
1		Base, hydraulics
	WM002791-0005	3 modules black grey, RAL 7021, gloss 70
	WM002791-0006	4 modules black grey, RAL 7021, gloss 70
2	WM001810	Support, box shape
	WB000220-0001	Pop-nut, open, low profile csk, hex body, M8, grip range 0.9 - 3.3
	WB000219-0001	Pop-nut, open, low profile CSK, hex body, M6, grip range 0.7 - 3.0
3		Support
	WM001836	1 module
	WM001912	3 modules
	WM001935	4 modules
	WB000252-0001	Pop rivet, dome head, 4.8 diameter, grip range 4.8 - 6.0
	WB000219-0001	Pop-nut, open, low profile CSK, hex body, M6, grip range 0.7 - 3.0
4		Support, L-shape
	WM001910	3 modules
	WM001914	4 modules
	WB000217-0001	Pop-nut, open, low profile CSK, M5, grip range 0.5 - 3.0
5	WB000212-0001	Screw, hexagon socket cap, M8 x 20
6	WM003405	Plug, PVC blanking plug
7	WB000273-0002	Grounding screw, M5

2.7.2 Suction pump



	Part number	Description
	WB000273-0002	Grounding screw, M5
1	WM002791-0005	Base, hydraulics 3 modules black grey, RAL 7021, gloss 70
	WM002791-0006	4 modules black grey, RAL 7021, gloss 70
2	WM001810	Support, box shape
	WB000220-0001	Pop-nut, open, low profile csk, hex body, M8, grip range 0.9 - 3.3
3	WM000119	Support, U-shape
	WB000219-0001	Pop-nut, open, low profile CSK, hex body, M6, grip range 0.7 - 3.0
	WB000252-0001	Pop rivet, dome head, 4.8 diameter, grip range 4.8 - 6.0
4	WM000125	Support, flat
	WB000217-0001	Pop-nut, open, low profile CSK, M5, grip range 0.5 - 3.0
5	WM001830	Support, suction hydraulics, 2 modules
6	WM003356	Support, L-shape
7	WB000212-0001	Screw, hexagon socket cap, M8 x 20
8	WB000267-0001	Edge protector grip range 1.0 - 2.0 THK
9	WM004294	Washer, plain

2.7.3 Frameworks hydraulics LPG



	Part number	Description
	WB000219-0001	Pop-nut, open, low profile CSK, hex body, M6 , grip range 0.7 - 3.0
	WB000220-0001	Pop-nut, open, low profile CSK, hex body, M8 , grip range 0.9 - 3.3
	WB000217-0001	Pop-nut, open, low profile CSK, M5, grip range 0.5 - 3.0
	WB000252-0001	Pop rivet , dome head, 4.8 diameter, grip range 4.8 - 6.0
	WB000212-0001	Screw, hexagon socket cap, M8 x 20
	WB000233-0004	Washer, lock, M8 ID=8.4, OD=15, T=0.8
1	WM002791-0005	Base, hydraulics, 3 modules black grey, RAL 7021, gloss 70
2	WM001810	Support, box shape
3	WM001473	Support, LPG hydraulics
4	WM004938	Support, LPG hydraulics



2.8 Tube

2.8.1 LHR

Part number	Description
WM001925	Lock pin for tube fitting (see also page 93)
WM002217	O-ring t=5.0, ID=21 (for “double bump”, tube connection)
	Tube, fuel delivery, side A
WM002500	Hydraulic 1
WM002515	Hydraulic 1
WM002630	Hydraulic 1
WM002716	Hydraulic 1
WM002732	Hydraulic 1
WM002750	Hydraulic 1
WM002856	Hydraulic 1
WM004240	Hydraulic 1
WM004250	Hydraulic 1
WM002513	Hydraulic 2
WM002724	Hydraulic 2
WM002734	Hydraulic 2
WM002517	Hydraulic 3
WM002726	Hydraulic 3
WM002564	Hydraulic 4
WM002728	Hydraulic 4
	Tube, fuel delivery, side B
WM002502	Hydraulic 1
WM002504	Hydraulic 1
WM002672	Hydraulic 1
WM002736	Hydraulic 1
WM002740	Hydraulic 1
WM002742	Hydraulic 1
WM004247	Hydraulic 1
WM004252	Hydraulic 1
WM002510	Hydraulic 2
WM002738	Hydraulic 2
WM002520	Hydraulic 3
WM002566	Hydraulic 4
WM003123	3 connections
	Tube, fuel delivery, side A
WM002627	Hose 1
WM002674	Hose 1
WM002618	Hose 2
WM002678	Hose 2
WM002712	Hose 2
WM002612	Hose 3
WM002570	Hose 4
	Tube, fuel delivery, side B
WM002676	Hose 1
WM002714	Hose 1
WM002622	Hose 2
WM002680	Hose 2
WM002686	Hose 2
WM002615	Hose 3
WM002607	Hose 4

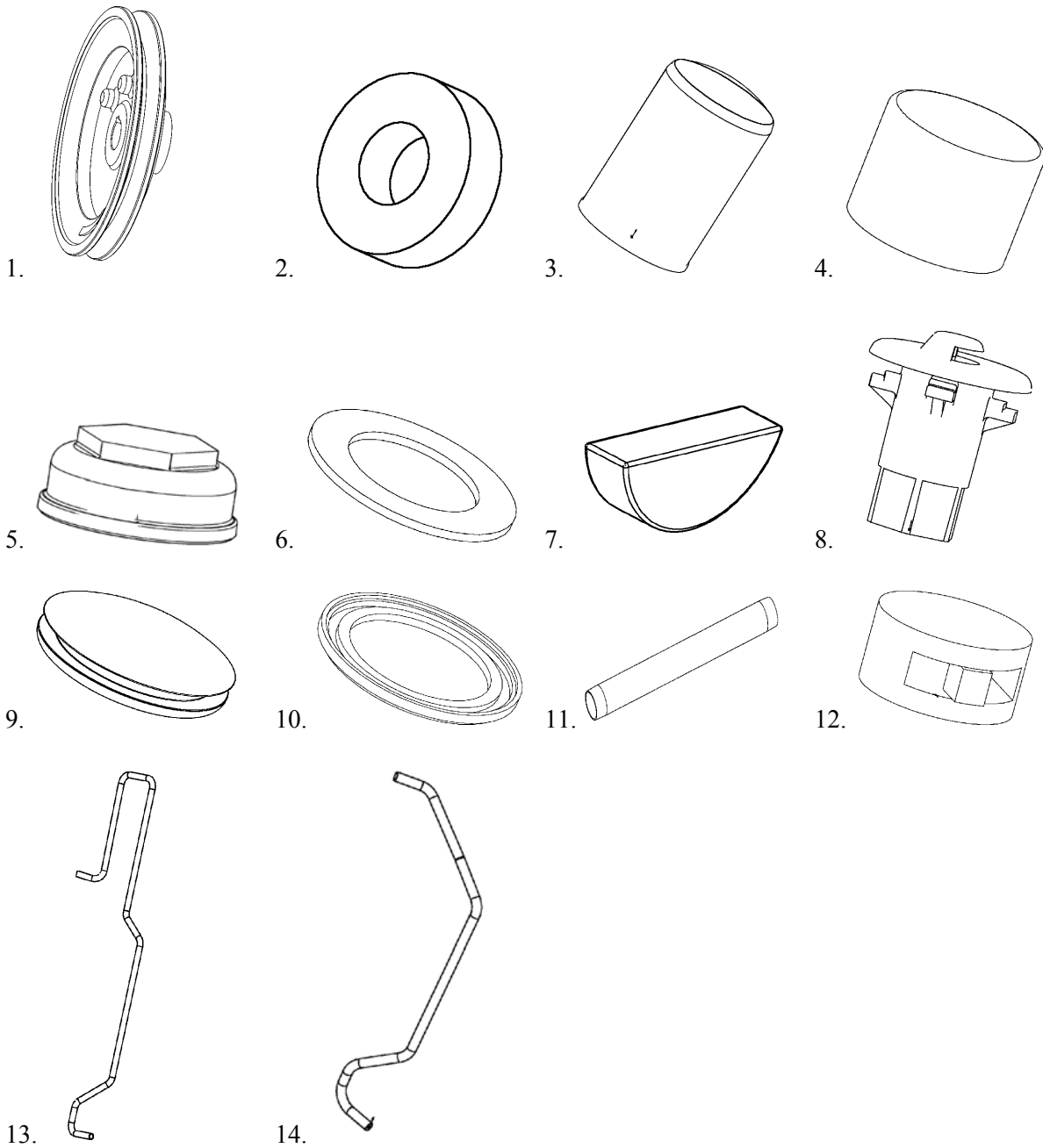
	Part number	Description
		Coupling female double bump
	WM006357	1 inlet, 1 outlet
	WM006357	Female both ends
	WM003045	2 inlet, 1 outlet
	WM003046	3 inlet, 1 outlet

2.8.2 LPG

	Part number	Description
	WM004189	Nut M 22-L
	WM004202	Tube D10, LPG, meter-filter
	WM004204	Tube side A, D10, LPG, return-filter
	WM004206	Tube side B, D10, LPG, return-filter
	WM004196	Tube, fuel delivery D22, LPG, filter-meter
	WM004194	Tube, fuel delivery D22, LPG, inlet
	WM005274	Tube, fuel delivery LPG island oriented
	WM004198	Tube, fuel delivery, side A D22, LPG, meter-valve
	WM004940	Tube, fuel delivery, side A diaph.accu.1 visigauge LPG
	WM004708	Tube, fuel delivery, side A LPG diaph.accu
	WM004714	Tube, fuel delivery, side A LPG meter1 visigauge
	WM004942	Tube, fuel delivery, side A valve1 visigauge LPG
	WM004200	Tube, fuel delivery, side B D22, LPG, meter-valve
	WM004710	Tube, fuel delivery, side B LPG diaph.accu
	WM004716	Tube, fuel delivery, side B LPG meter1 visigauge

	Part number	Description
	WM004189	Nut M 22-L
	WM005278	Tube d10 LPG io filter1 - pressure gauge
	WM004216	Tube side A, D10, LPG, filter1-pressure gauge
	WM004223	Tube side A, D10, LPG, filter2-pressure gauge
	WM004228	Tube side B, D10, LPG, filter1-pressure gauge
	WM004209	Tube, fuel delivery, side A D22, LPG, valve-sight glass
	WM004213	Tube, fuel delivery, side B D22, LPG, valve-sight glass

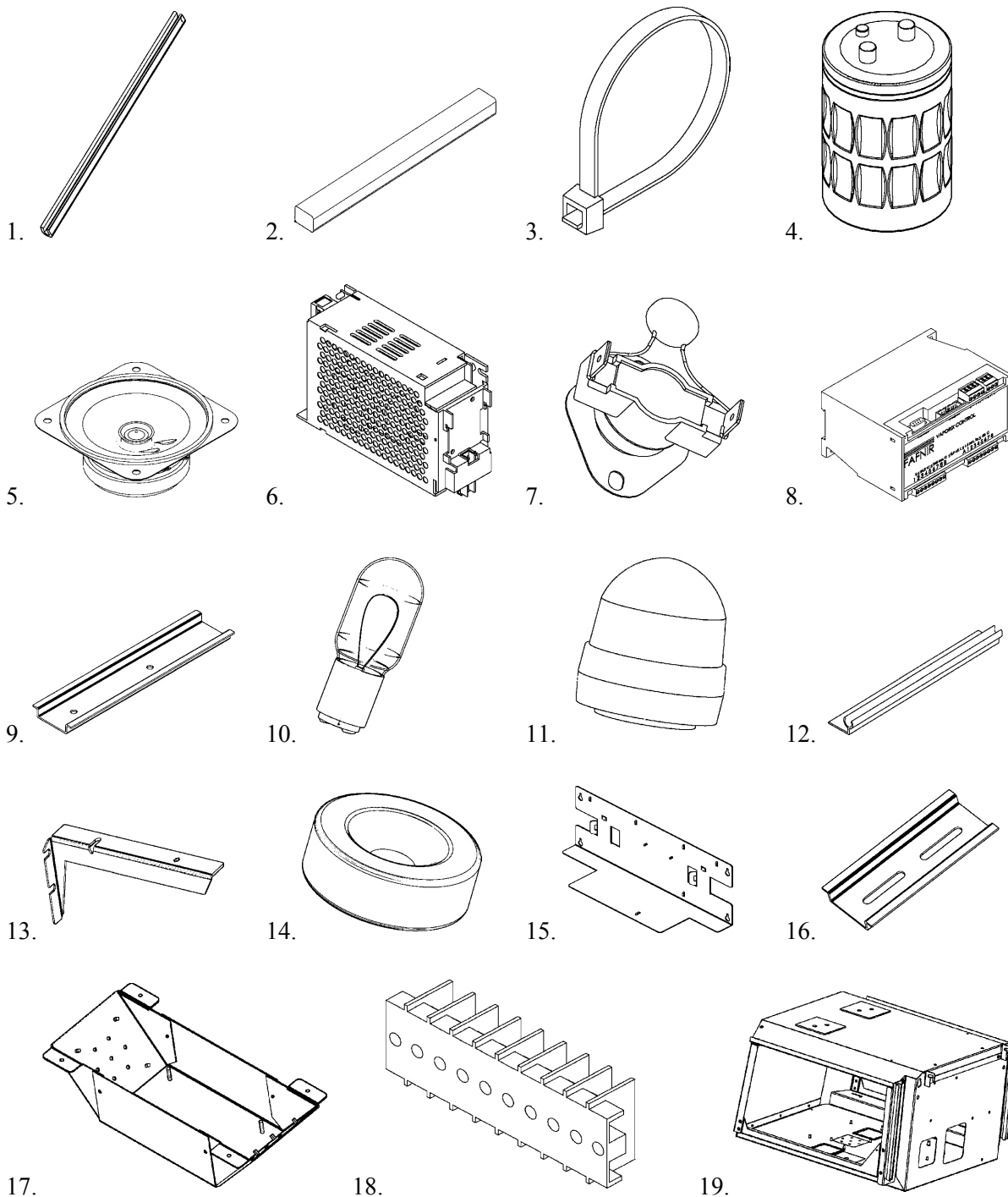
2.9 Other

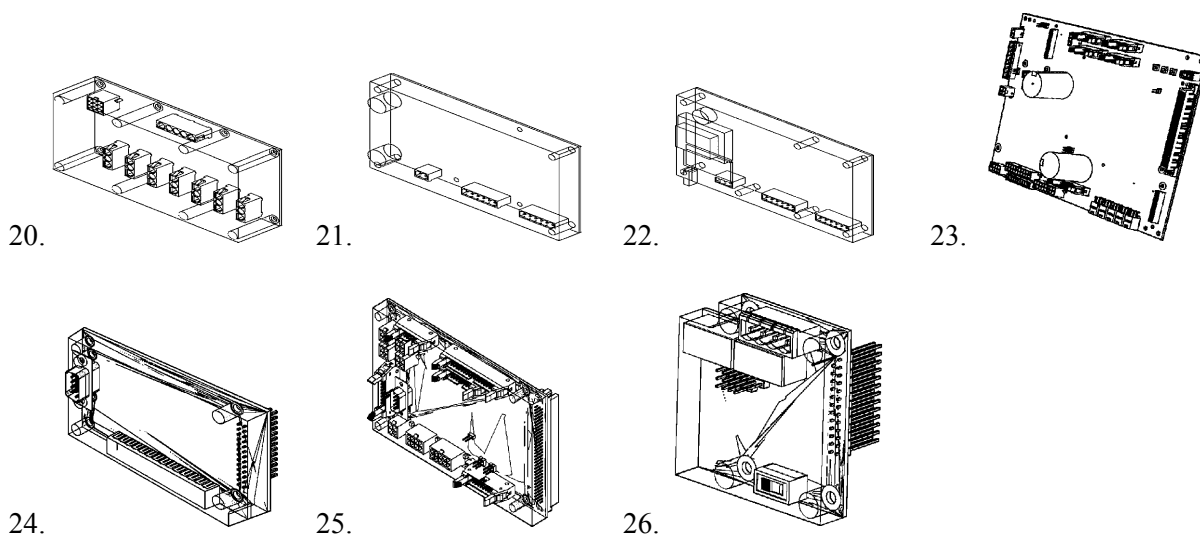


	Part number	Description
1	WM002869	Pulley for Z-belt
2	WM002891	Spacer hydraulic pulley
		Strainer
3	WM003126	Strainer
	WM002003	Strainer 40-70 L (see figure)
	WM002096	Strainer 70-130 L
4	WM003404	Cap
5	WM002002	Cover, machined
6	WM003350	Gasket
7	WM001667	Key, Woodruff D=19, T=4.75
	WB000341-0001	Nut, 5/8" UNF JAM-NUT
	WM000446	O-ring T=3.0, ID=64.5
8	WM003127	Plug
9	WM003405	Plug, PVC blanking plug
10	WM003830	Ring galvanic isolation
11	WM003765	Tube dispenser inlet LHR
12	WM003776	Seal, lead
13	WM003176	Tube, air venting
	WB000211-0002	Screw, hexagon socket cap, M6 x 45
	WB000212-0001	Screw, hexagon socket cap, M8 x 20
14	WM004398	Tube, air venting - Migrol
	WB000266-0001	Spring, compression 10 x 2, L=43.7
	WB000233-0004	Washer, lock, M8 ID=8.4, OD=15, T=0.8
	WB000232-0004	Washer, plain, M8 ID=8.4, OD=16, T=1.6

3 Electronic head

3.1 Frameworks electronic head



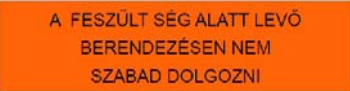
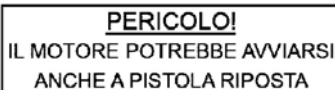
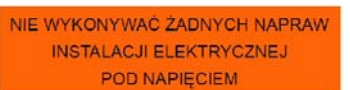
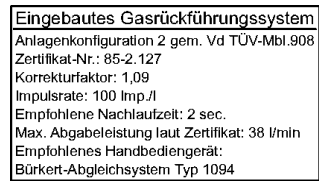
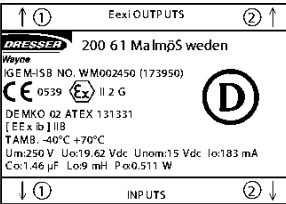
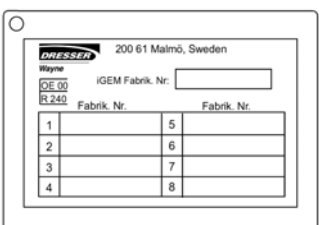
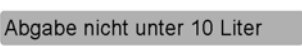
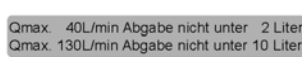
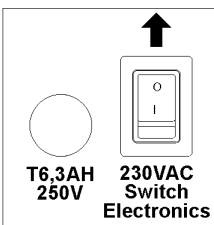
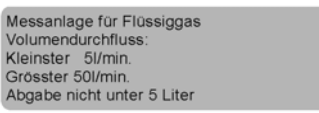


	Part number	Description
	WB000209-0002	Screw, hexagon socket cap, M4 x 20
	WB000219-0001	Pop-nut, open, low profile csk, hex body, M6, grip range 0.7 - 3.0
	WB000229-0002	Lock nut, M4
	WB000235-0001	Press screw, flush, M4 x 15
	WB000251-0001	Pop rivet, csk head, 4.0 diameter, grip range 2.0 - 4.4, closed end
	WB000255-0001	Pop rivet, dome head, 2.4 diameter, grip range 2.4 - 4.8
	WB000280-0001	Screw, csk socket cap, M4 x 8
	WB000281-0001	Pop-nut, closed, csk, m4, grip range 1.0 - 2.0
	WB000275-0001	Sealant silicon, silirub 2S, dark grey
1	WB000267-0001	Edge protector grip range 1.0 - 2.0 THK
2	WB000269-0001	Gasket emi shielding, 9.5 x 6.4
3	WB000335-0001	Cable tie W=8.9, L=381
	WB000337-0002	Cable tie W=3.6, L=203
4	WB000362	Capacitor 150000uF 40V
5	WM000404	Speaker 12W, 450HZ - 4KHZ
6		Power supply see page 58
7	WM000429	Thermostat with resistor (
8	WM000935	Control box fafnir vaporix-control
9	WM002173	Rail TS35, L=150
10	WM002225	Lamp LR BA 15d, 24V, 10W
11		Lamp, indicator (wihtout lamp, use WM002225)
	WM002227	Red
	WM002228	Green
	WM002229	White
	WM002333	Gasket indicator lamp
12		Hinge outer
	WM002267-0001	L=250 mm
	WM002267-0002	L=437.5 mm
13		Support, L-shape
	WM002314	Side A (see picture)
	WM002316	Side B
14	WM003859	Magnet, ring DY=16, H=5.5
15	WM003724	Support, L-shape PT3000 components
16	WM003162	Rail TS35, L=80
17	WM002339	Support, box shape

	Part number	Description
18	WM002357	Terminal block 8-pol (data)
19		Support, box shape electronic head
	WM002358	Without PT (see picture)
	WM002619	With PT
20	WM002722	Board IGEM relay IEC/UL
21	WM003009	Board PCB 02004, 24V
22	WM003013	Board PCB 02003, 230V
23	WM001908-0001	CPU board EU full
	WM003845-0001	CPU-board, EU full, pre-approved DE
24	WM001905	Vapour recovery board Bürkert
25	WM001904	Expansion board
26	WM004360	Board iGEM isolated interface

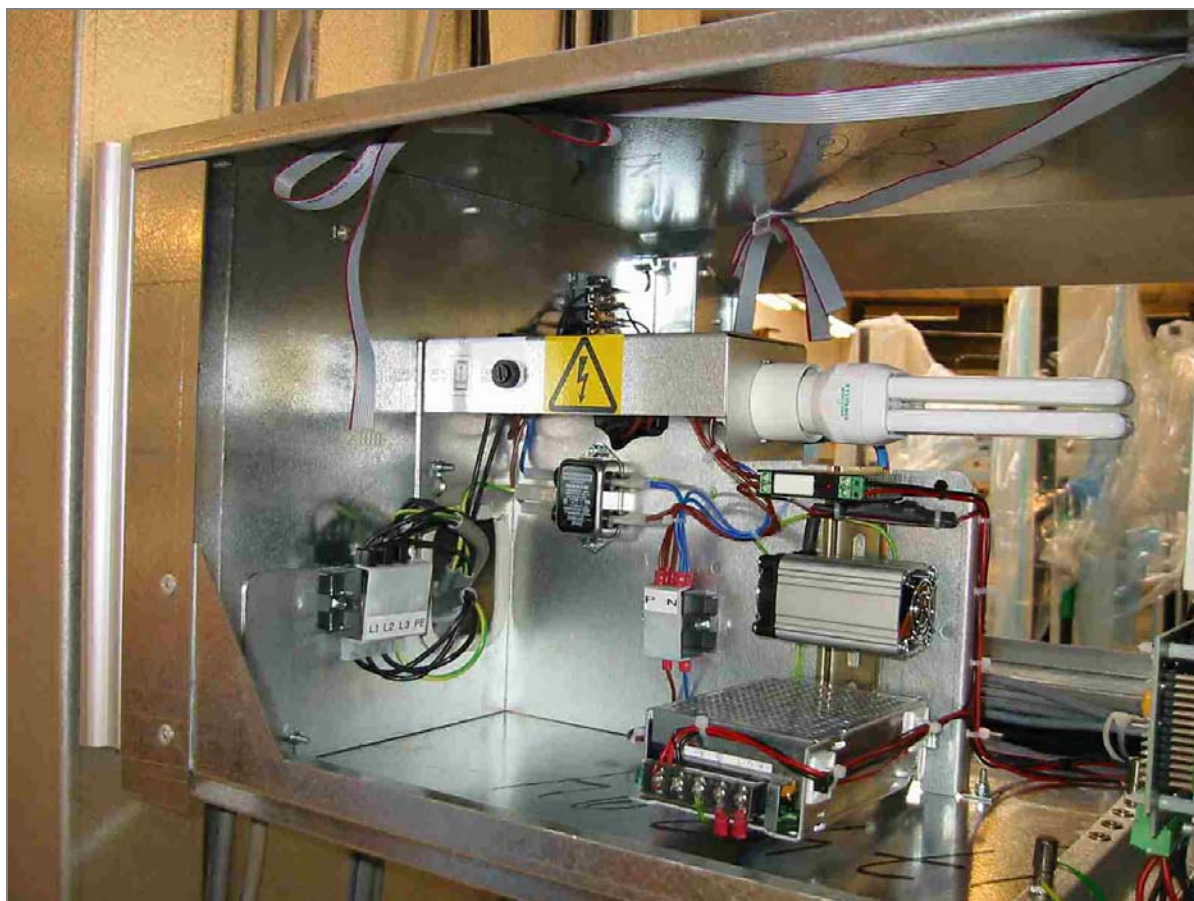


3.2 Labelels

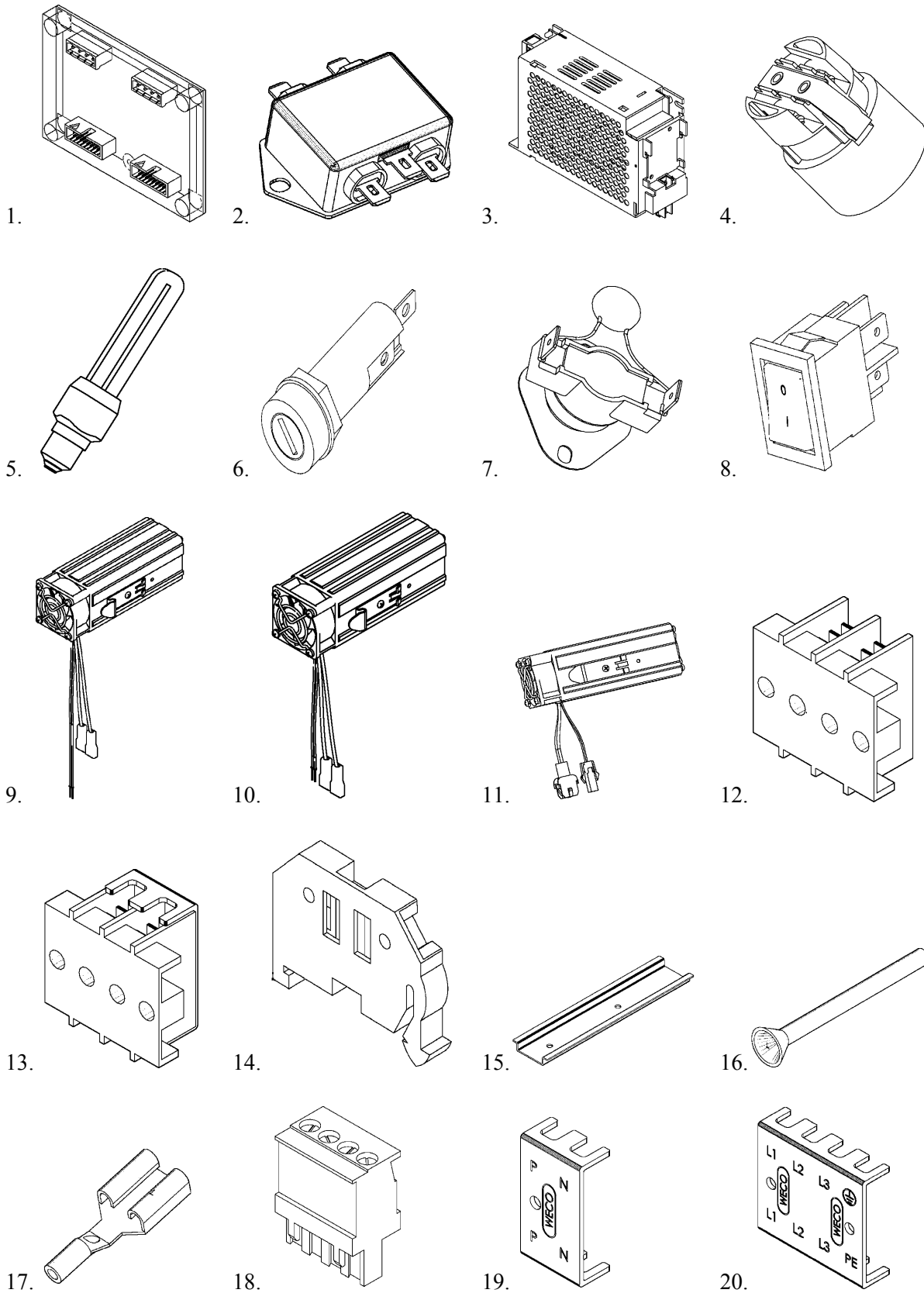
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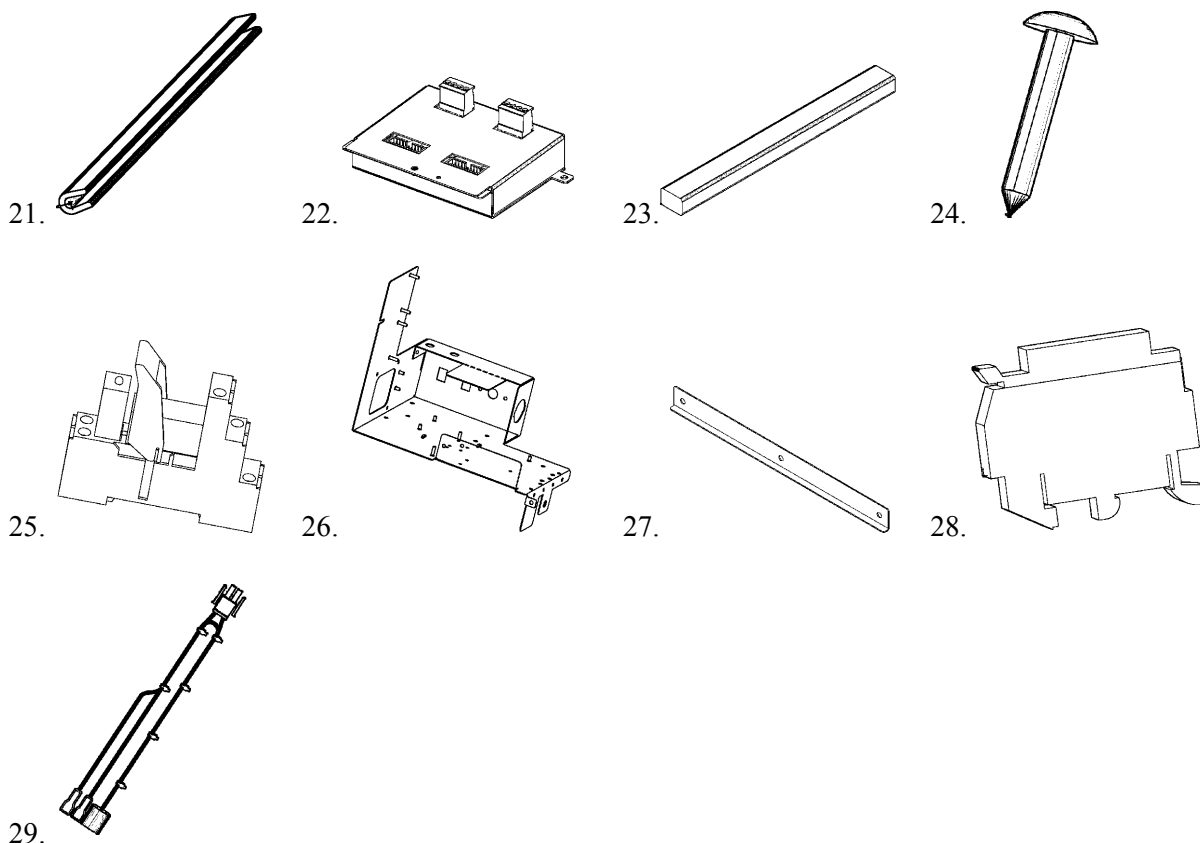
(see also “Junction box”, “Instruction label” page 33)

	Part number	Description
		Instruction label (see also “Junction box”, “Instruction label” page 33)
1	WM004123	Belgium (BE)
2	WM004473	Czech Republic (CZ)
3	WM004124	France (FR)
4	WM003688	Germany (DE)
5	WM004332	Hungaria (HU)
6	WM003673	Italy (IT)
7	WM003674	Italy (IT)
8	WM004130	Poland (PL)
9	WM004474	Slowenia (SI)
10	WM003680	Spain (ES)
11	WM003703	Identification label Germany (DE)
12	WM002336	Sticker
13	WM003690	Identification label Germany (DE)
14	WM004984	Identification label iGEM ISB 250 V
15	WM003332	Sticker high voltage
16	WM006463	Aproval label iGEM Austria (AT)
17a	WE000238	DE
	WE000239	NO
17b	WE000249	DE
	WE000250	NO
18	WM007322	Sticker (Switch and fuse)
19	WE000308	DE (LPG)
20	WM007611	Sticker EX



3.3 Support high voltage





	Part number	Description
	WB000229-0002	Lock nut, M4
	WB000228-0002	Nut, M4
	WB000255-0001	Pop rivet, dome head, 2.4 diameter, grip range 2.4 - 4.8
	WB000251-0001	Pop rivet, csk head, 4.0 diameter, grip range 2.0 - 4.4, closed end
	WB000235-0001	Press screw, flush, M4 x 15
	WB000233-0002	Washer, lock, M4 ID=4.3, OD=8, T=0.5
	WB000291-0001	Spacer ID=4.3, OD=8, L=10
1	WM002389	Board intrinsic safe barrier
2	WM000418	Mains filter 3A
3		Power supply
	WM000408	50W
	WM000415	100W (see picture)
	WM000417	150W
4	WM000689	Holder, lamp
5	WM000686	Lamp
6	WM000671	Holder, fuse 5X20mm
	WM000675	Fuse 5X20mm 4A time lag (1500A)
7	WM000429	Thermostat (include resistor WM000427)
	WM000427	Resistor, hole, varistor SIOV-S14K250
8	WM000683	Switch, on/off
		Heating element
9	WM000428-0001	150W, 24V
10	WM000428-0002	300W, 24V (ver 1, see cables)
11	WM000428-0003	300W, 24V (ver 2, see cables)
		Terminal block
12	WM002368	2 pol
13	WM002367	2 pol (230V)
	WM002364	4 pol

	Part number	Description
	WM002363	4 pol (400V)
14	WM003351	EW 35
15	WM002173	Rail TS35, L=150
16	WM003020-0002	Cable sleeve L=10mm 0.25-0.5mm ²
17	WM002918-0005	Cable socket receptacle for tab 6.3x0.8 0.5-1mm ²
18	WM001044	Connector, cable, terminal block 4 socket (1x4)
19	WM002366	Cover 2 pol
20	WM002361	Cover 4 pol, 3 phase
21	WB000267-0001	Edge protector grip range 1.0 - 2.0 THK
22	WM002450	Intrinsic safe barrier
	WM002423	Housing intrinsic safe barrier
23	WB000269-0001	Gasket EMI shielding, 9.5 x 6.4
24	WM002362	Pin
25	WM002399	Relay RT154L24 with socket and LED
26	WM002239	Support, box shape
27	WM002213	Support, L-shape
28	WM003764	Fuse holder 5X20 for 35mm mounting rail
29		Cable multi (Thermostat)
	WM004505-0001	2x0.75 BN, 1x0.75 BU L=850/600 (Cartd terminal)
	WM004505-0002	2x0.75 BN, 1x0.75 BU L=600/600 (standard)

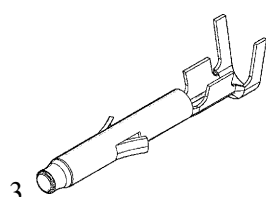
3.4 Tools



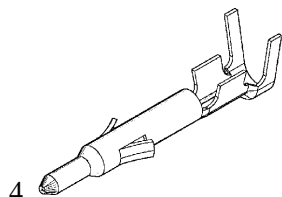
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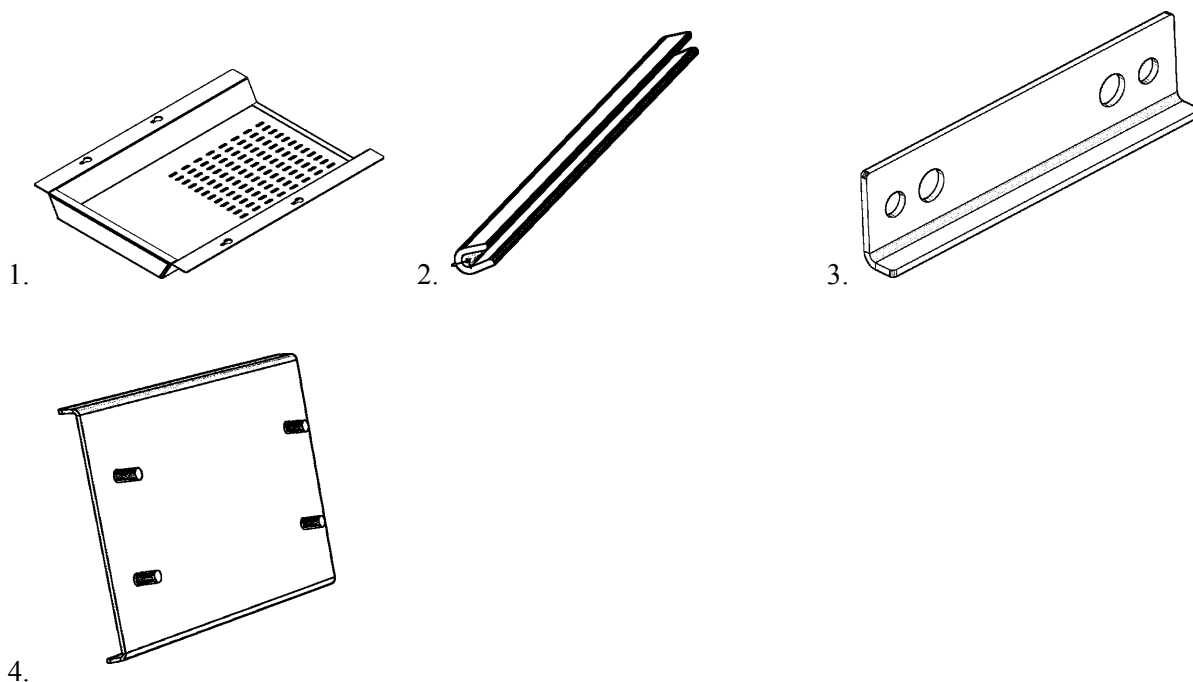
3.



4.

	Part number	Description
	452882	Wrench (Allen key) 3/16"
1	WM002168	Crimp tool
2	WM002167	Extraction tool
3		Socket
	WM002694-0002	0.12-0.35 mm ²
	WM002694-0001	0.30-0.89 mm ²
4		Pin
	WM002693-0002	0.12-0.35 mm ²
	WM002693-0001	0.30-0.89 mm ²

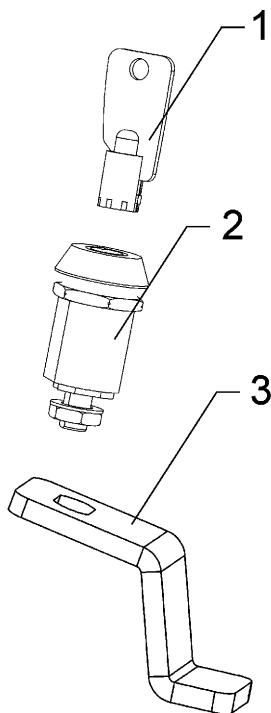
3.5 Other



	Part number	Description
	WB000229-0003	Lock nut, M6
	WB000237-0001	Press screw, flush, M6 x 12
	WB000209-0001	Screw, hexagon socket cap, M4 x 10
1	WM005076	Cover plate extra barrier
2	WB000267-0001	Edge protector grip range 1.0 - 2.0 THK
3	WM005162	Support, L-shape
4	WM005190	Support, U-shape

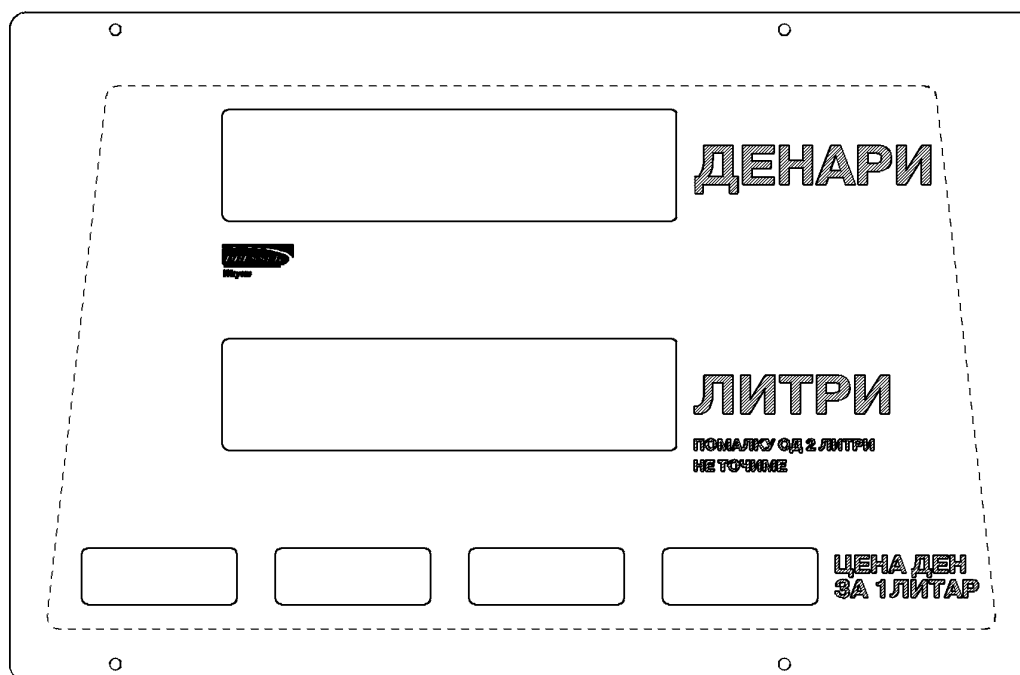
4 Front panel

4.1 Lock



	Part number	Description
1	WM003119	Key for WM001994-0002
2		Lock
	WM001994-0002	Std
	WM001994-0001	Lock individually keyed (iclude 2 keys)
3	WM002214	Latch

4.2 Dial face



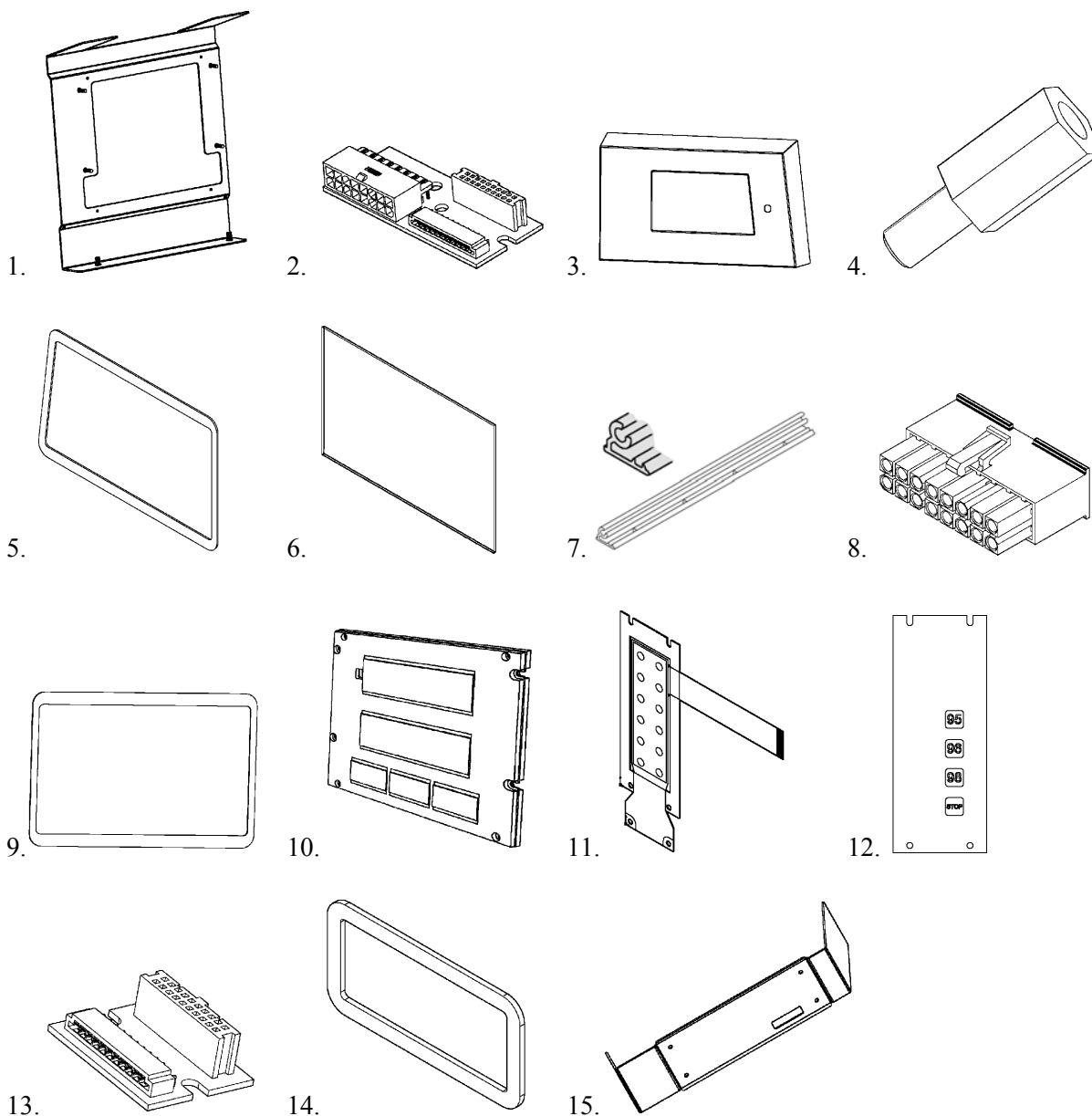
Country	1 UPD	2 UPD	3 UPD	4 UPD	
AO	177394	177395	177396	177397	
AT	176507	176508	176509	176510	
AT	177511	177512	177513	177514	Conoco
AU	175691	175692	175693	175694	
BA	177350	177351	177352	177353	
BE	175631	175632	175633	175634	
BE	177757	177758	177759	177760	Conoco
BG	176711	176712	176713	176714	
CH	176271	176272	176273	176274	
CY	176261	176262	176263	176264	
CZ	176451	176452	176453	176454	
DE	175601	175602	175603	175604	
DE	176311	---	---	---	Conoco
DK	176221	176222	176223	176224	
EE	175751	175752	175753	175754	
ES	176721	176722	176723	176724	
ES	177779	177780	177781	177782	
Catalan					
FI	175351	175352	175353	175354	
FO	178012	178013	178014	178015	
FR	176771	176772	176773	176774	
HR	176442	176443	176444	176445	
HU	176460	176461	176462	176463	
IE	176281	176282	176283	176284	
IT	1767211	17672	176723	176724	
LV	175951	175952	175953	175954	
MD	176631	176632	176633	176634	
MK	176474	176474	176474	176474	
NL	176417	176418	176419	176420	
NL	176417	176418	176419	176420	

NO	176211	176212	176213	176214	
PL	175366	175367	175368	175369	
PT	176546	176547	176548	176549	
RO	176569	176570	176571	176572	
RO (LPG)	176657	176658	176659	176660	
RU	175732	175733	175734	175735	
SE	175341	175342	175343	175344	
SI	176492	176493	176494	176495	
SK	176483	176484	176484	176486	
UA	175321	175322	175323	175324	
UK	176281	176282	176283	176284	
YU	176751	176752	176753	176754	
YU €	176617	176618	176619	176620	

UPD = Unit Price Display (pris/liter-display)



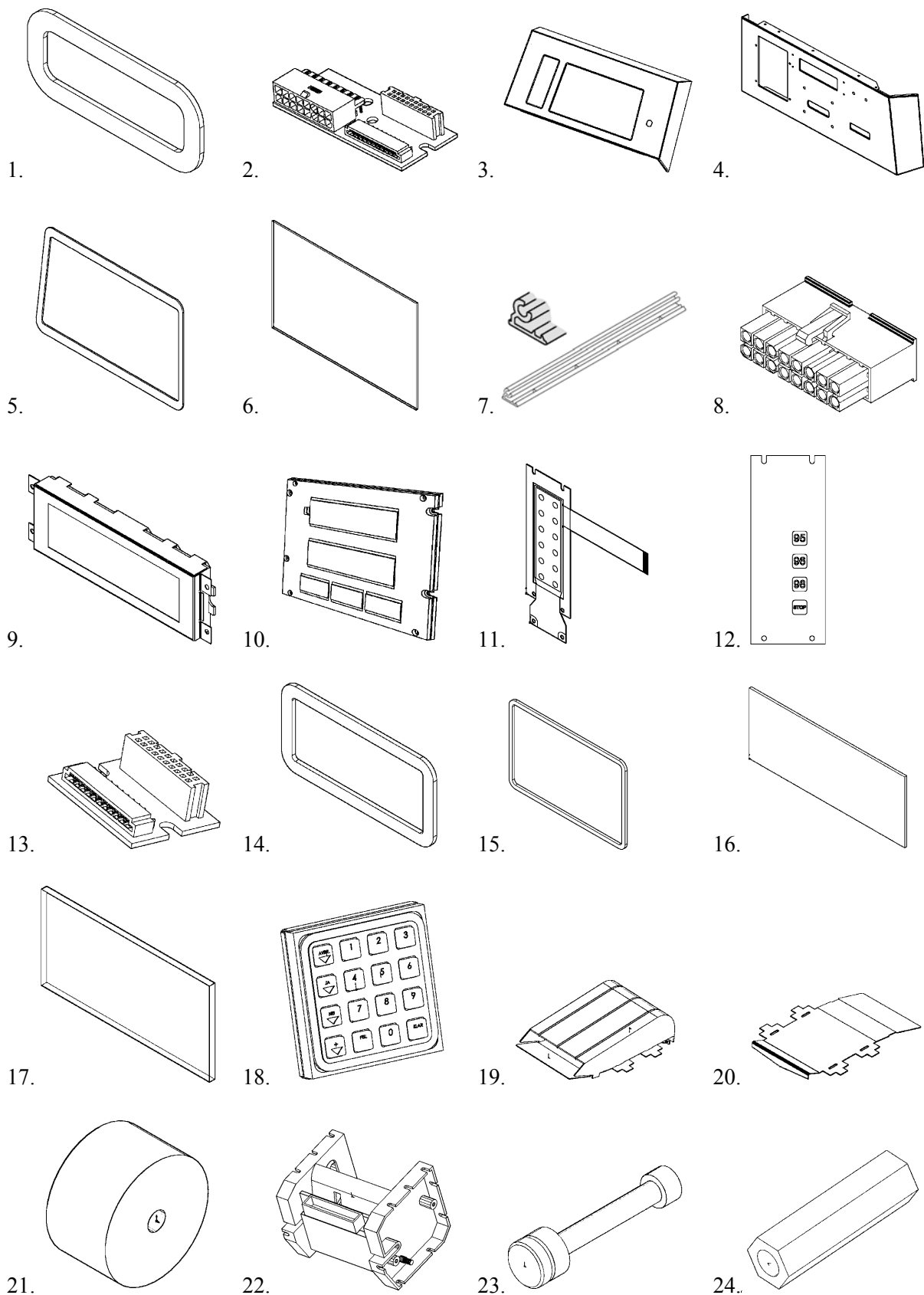
4.3 Front panels without PT

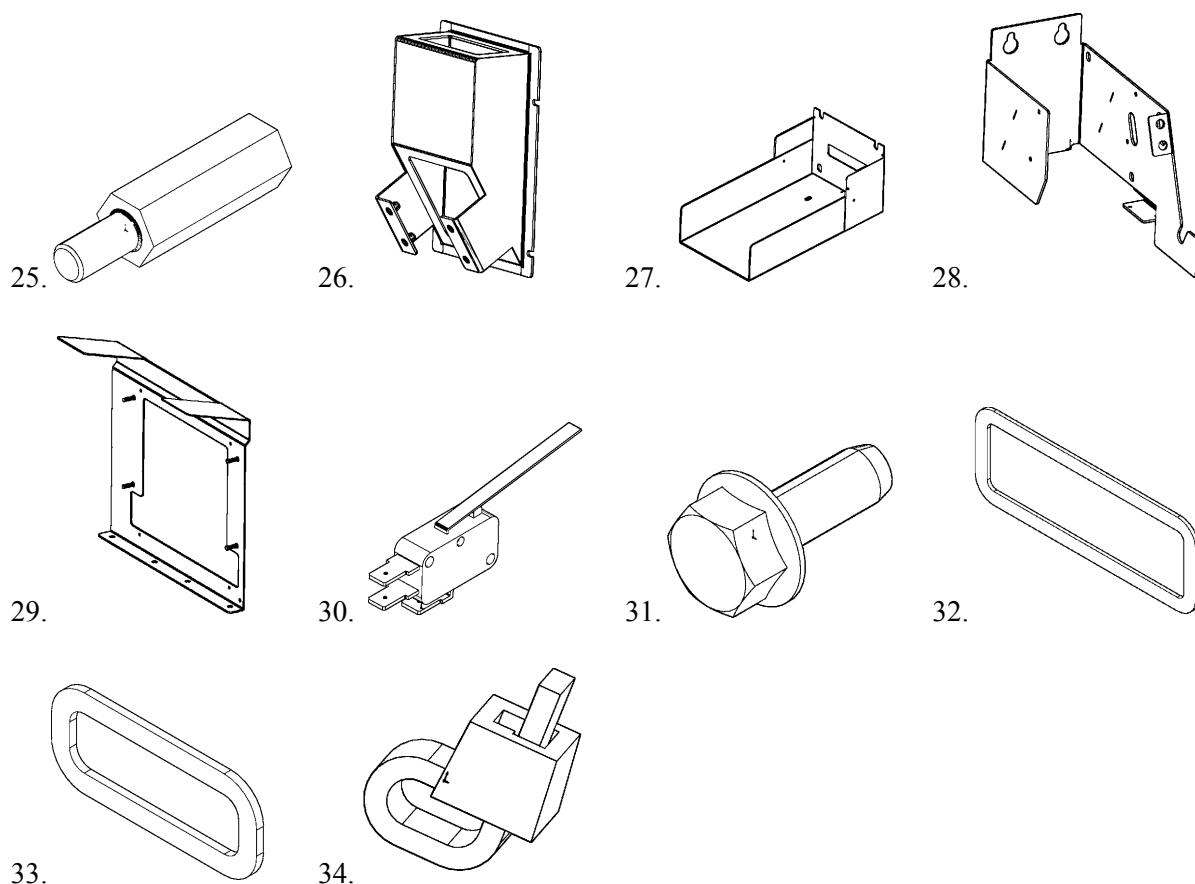


Part number	Description
WB000229-0002	Lock nut, M4
WB000233-0002	Washer, lock, M4 ID=4.3, OD=8, T=0.5
WB000251-0001	Pop rivet, csk head, 4.0 diameter, grip range 2.0 - 4.4, closed end
WB000256-0001	Pop rivet, dome head, 3.2 diameter, grip range 1.6 - 3.2
WB000280-0001	Screw, csk socket CAP, M4 x 8
WB000255-0001	Pop rivet, dome head, 2.4 diameter, grip range 2.4 - 4.8
WB000281-0001	Pop-nut, closed, CSK, M4, grip range 1.0 - 2.0
WB000235-0001	Press screw, flush, M4 x 15
WB000300-0001	Taptite screw, hexagon flange, M6 x 16

	Part number	Description
1	WM002150	Support, U-shape
2	WM002205	Board connection
3		Front panel, side A
	WM002246-0001	Std
	WM002246-0003	Functional keyboard
	WM002246-0002	Single sided
	WM003188-0001	90 deg std
	WM003188-0002	90 deg, functional keyboard
	WM003188-0003	90 deg, single sided
		Front panel, side B
	WM002247-0001	Std
	WM002247-0003	Functional keyboard
	WM002247-0002	Single sided
	WM003190-0001	90 deg std
	WM003190-0002	90 deg, functional keyboard
	WM003190-0003	90 deg, single sided
4	WB000376-0001	Spacer, blind, M4 x 12, male/female hexagonal
5	WM002211	Gasket
6	WM002212	Glass
7	WM002265-0001	Hinge inner L=250 mm
8	WM002587	Connector, cable, mini umnl 16 pin (2x8)
9	WM004330	Gasket, electronic head
10		Display board
	WM001845-0002	1 UPD
	WM003843-0001	1 UPD, pre-approved Germany
	WM001846-0002	2 UPD
	WM001845-0001	3 UPD
	WM001846-0001	4 UPD
11	WM003353	Key pad 12-functional buttons
12		Keyboard label
	WM003328	95, 96, 98 and Stop
	WM004395	95,98,Stop
	WM004982	Black
	WM004253	High/low speed
	WM004958	High/low speed, stop
	WM004312	Preset (ES)
	WM005403	Preset (BG)
	WM005714	Preset (BG)
	WM005574	Preset (CZ)
	WM003704	Preset (IT)
	WM004824	Preset (PT)
	WM003710	Preset 12-buttons
	WM004480	Preset with high/low speed (ES)
	WM004797	SAT
	WM004960	Stop
	WM003125	Stop+cash (English)
	WM003158	Stop+cash (SE)
13	WM001826	Board (keyboard)
14	WM002498	Gasket 89x44, W=6, T=2
15	WM002147	Support, U-shape

4.4 Frontpanels with PT





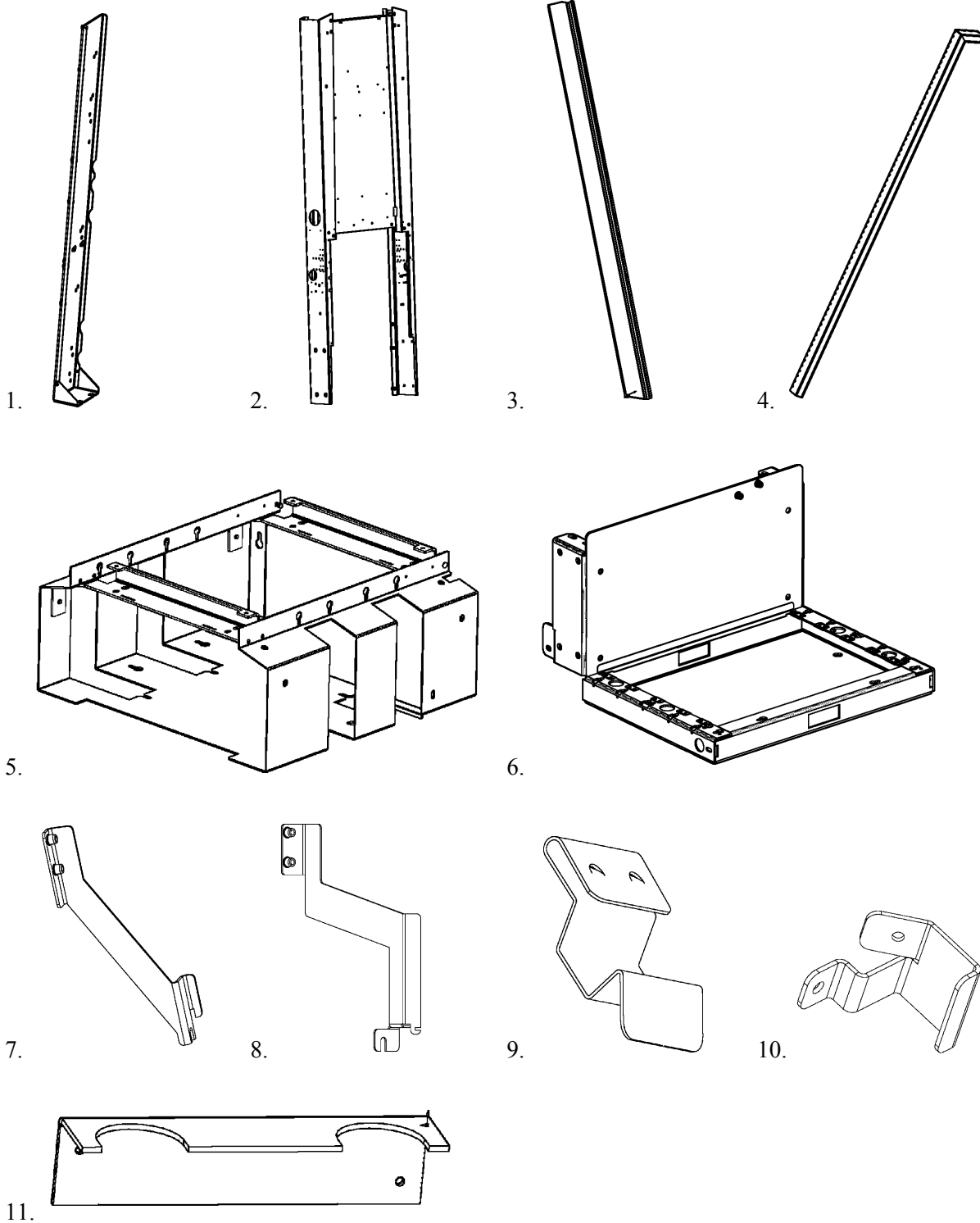
	Part number	Description
	WB000215-0001	Pop-nut, open, low profile CSK, M4, grip range 0.5 - 2.0
	WB000256-0001	Pop rivet, dome head, 3.2 diameter, grip range 1.6 - 3.2
	WB000255-0001	Pop rivet, dome head, 2.4 diameter, grip range 2.4 - 4.8
	WB000233-0002	Washer, lock, M4 ID=4.3, OD=8, T=0.5
	WB000591-0001	Press nut, M4 T=1.4 minimum
	WB000251-0001	Pop rivet, CSK head, 4.0 diameter, grip range 2.0 - 4.4, closed end
	WB000252-0001	Pop rivet, dome head, 4.8 diameter, grip range 4.8 - 6.0
	WB000229-0002	Lock nut, M4
	WB000235-0001	Press screw, flush, M4 x 15
	WB000334-0001	Screw, hexagon socket cap, M3 x 6
	WB000296-0001	Weld stud, flanged, M3 x 6
	WB000297-0001	Weld stud, flanged, M4 x 8
	WB000298-0001	Weld stud, flanged, M6 x 8
1	WM002494	Gasket
2	WM002205	Board connection
3		Front panel, side A
	WM002375-0003	Functional keyboard PT (see figure)
	WM002375-0002	Side A PT
	WM002375-0001	Side A single sided PT
		Front panel, side B
	WM002381-0003	Functional keyboard PT
	WM002381-0002	PT
	WM002381-0001	Single sided PT
4		Front panel, side A
	WM003363-0003	PT lower single side, SAAB steel grey original
	WM003363-0001	PT lower, saab steel grey original
		Front panel, side B

	Part number	Description
	WM003363-0004	PT Lower single side, SAAB steel grey original
	WM003363-0002	PT lower, SAAB steel grey original
5	WM002211	Gasket
6	WM002212	Glass
7	WM002265-0002	Hinge inner L=437.5 mm
8	WM002587	Connector, cable, mini UMNL 16 PIN (2X8)
9	WB000361	Display, module blue
10		Display board
	WM001845-0002	1 UPD
	WM003843-0001	1 UPD, pre-approved Germany
	WM001846-0002	2 UPD
	WM001845-0001	3 UPD
	WM001846-0001	4 UPD
11	WM003353	Key pad 12-functional buttons
12	see page 67	Keyboard label
13	WM001826	Board (keyboard)
14	WM002498	Gasket 89x44, W=6, T=2
15	WM002497	Gasket 172x113.5, W=5, T=3
16	WM002493	Glass
17	WM002499	Glass plexi, 93 x 46 T=3
18	WB000365	Key pad Safety encryption pin pad
19	WB000366	Knife assembly
20	WB000354	Knife
	WB000355	Knife holder
21	WB000357	Paper roll
22	WB000369	Printer, Axiohm
23	WB000353	Shaft
24	WB000332-0002	Spacer M3 x 18, hexagonal
25		Spacer, blind
	WB000330-0001	M3 x 14, male/female hexagonal
	WB000376-0001	M4 x 12, male/female hexagonal
26	WM002354	Support, box shape pin pad
27	WB000364	Support, omron card reader
28	WM002318	Support, U-shape
29	WM002350	Support, U-shape
30	WB000356	Switch , micro switch
31	WB000300-0001	Taptite screw, hexagon flange, M6 x 16
32	WM002496	Gasket 150.5x55.5, W=8, T=2
33	WM002495	Gasket 91.5x39, W=8, T=3
34	WB000337-0001	Cable tie W=2.5, L=100



5 Hose handling

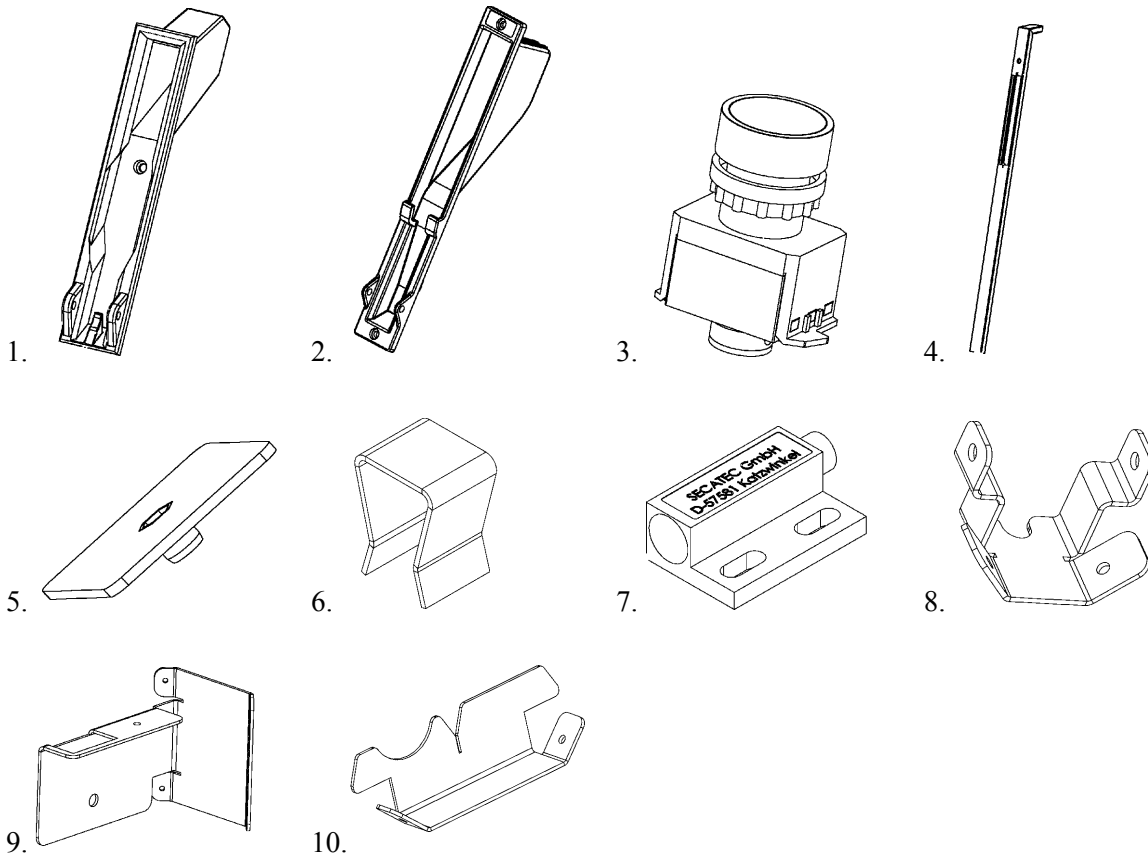
5.1 Framework hose handling, LHR



Sealing barrier see page 110

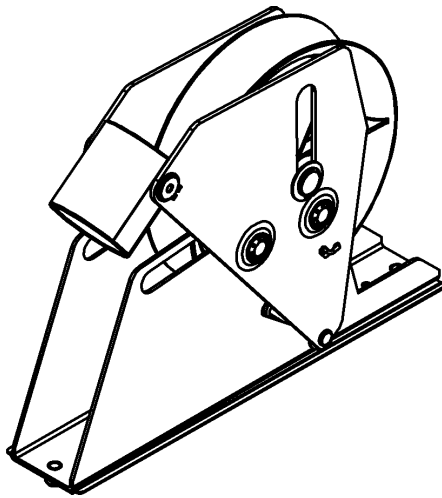
	Part number	Description
	WB000211-0001	Screw, hexagon socket cap, M6 x 16
	WB000212-0001	Screw, hexagon socket cap, M8 x 20
	WB000229-0003	Lock nut, M6
	WB000229-0004	Lock nut, M8
	WB000256-0002	Pop rivet, dome head, 3.2 diameter, grip range 3.2 - 4.5
	WB000250-0001	Self tapping screw, Torx, pan head, type C ST5,5 x 19
	WB000401-0002	Screw, CSK socket cap, M8 x 12
	WM007590	Shortened Hose Reach (see also document WM007588)
1	WM001790	Support, L-shape
	WB000215-0001	Pop-nut, open, low profile CSK, M4 , grip range 0.5 - 2.0
	WB000256-0002	Pop rivet, dome head, 3.2 diameter, grip range 3.2 - 4.5
2	WM002317	Blind column
	WB000220-0001	Pop-nut, open, low profile CSK, hex body, M8, grip range 0.9 - 3.3
	WB000235-0001	Press screw, flush, M4 x 15
	WB000237-0001	Press screw, flush, M6 x 12
	WB000257-0001	Pop-nut, closed, low profile CSK, hex body, M6, grip range 0.5 - 3.0
	WB000258-0001	Pop-nut, closed, low profile CSK, hex body, M8, grip range 0.7 - 3.0
3		Side panel
	WM001972-0001	Side A 75 deg
	WM001972-0002	Side B 75 deg
4		Corner column
	WM001973-0001	Side A 75 deg
	WM001973-0002	Side B 75 deg
		LPG see page 86
5		Top panel
	WM003111-0001	1 module, black grey, RAL 7021, gloss 70
	WM003111-0002	2 modules, black grey, RAL 7021, gloss 70
	WM003111-0003	3 modules, black grey, RAL 7021, gloss 70
	WM003111-0004	4 modules, black grey, RAL 7021, gloss 70
		Top panel B2B
	WM003111-0005	1 module, B2B, black grey, RAL 7021, gloss 70
	WM003111-0006	2 module, B2B, black grey, RAL 7021, gloss 70
	WM003111-0007	3 module, B2B, black grey, RAL 7021, gloss 70
	WM003111-0008	1 module, B2B LPG, black grey, RAL 7021, gloss 70
6		Base, hose handling
	WM002329	1 module
	WM002330	2 modules
	WM002331	3 modules
	WM002332	4 modules
	WM007661	1 modules, B2B
	WM007662	2 modules, B2B
		3 modules, B2B
7	WM003358	Support, Z-shape dispenser
	WB000219-0001	Pop-nut, open, low profile csk, hex body, M6, grip range 0.7 - 3.0
8	WM003357	Support, Z-Shape suction
	WB000219-0001	Pop-nut, open, low profile csk, hex body, M6, grip range 0.7 - 3.0
9	WM002324	Spring, C-shape (for Base, hose handling)
10	WM002137	Support, U-shape
11	WM004639	Support, L-shape

5.2 Column LHR



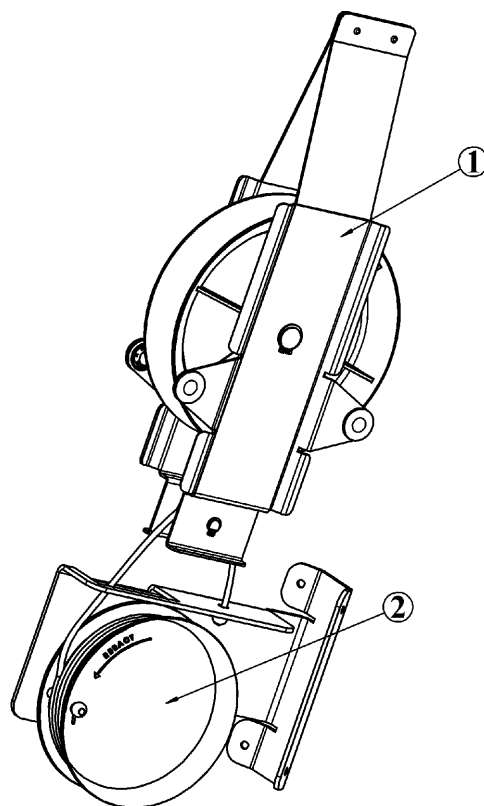
	Part number	Description
	WB000250-0001	Self tapping screw, Torx, pan head, type C ST5,5 x 19
	WB000295-0001	Self tapping screw, Torx, pan head, type F ST5,5 x 22
	WB000370	Screw, hexagon socket button, M8 x 20, with tuflok locking patch
	WB000212-0001	Screw, hexagon socket cap, M8 x 20
	WM003160	Sealant loxeal 58-11, thread sealant
		Nozzle boot
1	WM002659	AL, auto-on
2	WB000292	Plastic, auto-on
	WM005726	Decal, cover plastic nozzle boot (Grey RAL 7045)
3		Push-button
	WM002998-0003	Black
	WM002998-0005	Blue
	WM002998-0002	Green
	WM002998-0001	Red
	WM002998-0006	White
	WM002998-0004	Yellow
4		Column 75 deg
	WM001954-0005	Width 75 mm, for AL nozzle boot, WM002659
	WM002472-0001	Width 75 mm, for AL nozzle boot, WM002659, 1 button
	WM002472-0002	Width 75 mm, for AL nozzle boot, WM002659, 2 buttons
	WM002472-0003	Width 75 mm, for AL nozzle boot, WM002659, 3 buttons
	WM002472-0003	Width 75 mm, for AL nozzle boot, WM002659, 3 buttons
	WM003196	Width 75 mm, for plastic nozzle boot, WB000292
	WM003235-0001	Width 75 mm, for plastic nozzle boot, WB000292, 1 button
	WM003235-0002	Width 75 mm, for plastic nozzle boot, WB000292, 2 buttons
	WM003235-0003	Width 75 mm, for n plastic ozzle boot, WB000292, 3 buttons
	WM001962-0001	Width 140 mm (LPG)
5	WM003277	Support, flat (holder for AL nozle boot WM002659)
	WB000220-0001	Pop-nut, open, low profile CSK, hex body, M8, grip range 0.9 - 3.3
6	WB000391	Clip, U-shape
7	WM001649-0003	Switch secatec 3-wire normally open/closed
8	WM002138	Support, U-shape
9	WM002445	Support, U-shape
10	WM002448	Support, L-shape

5.2.1 Upper hose retraction module, LHR



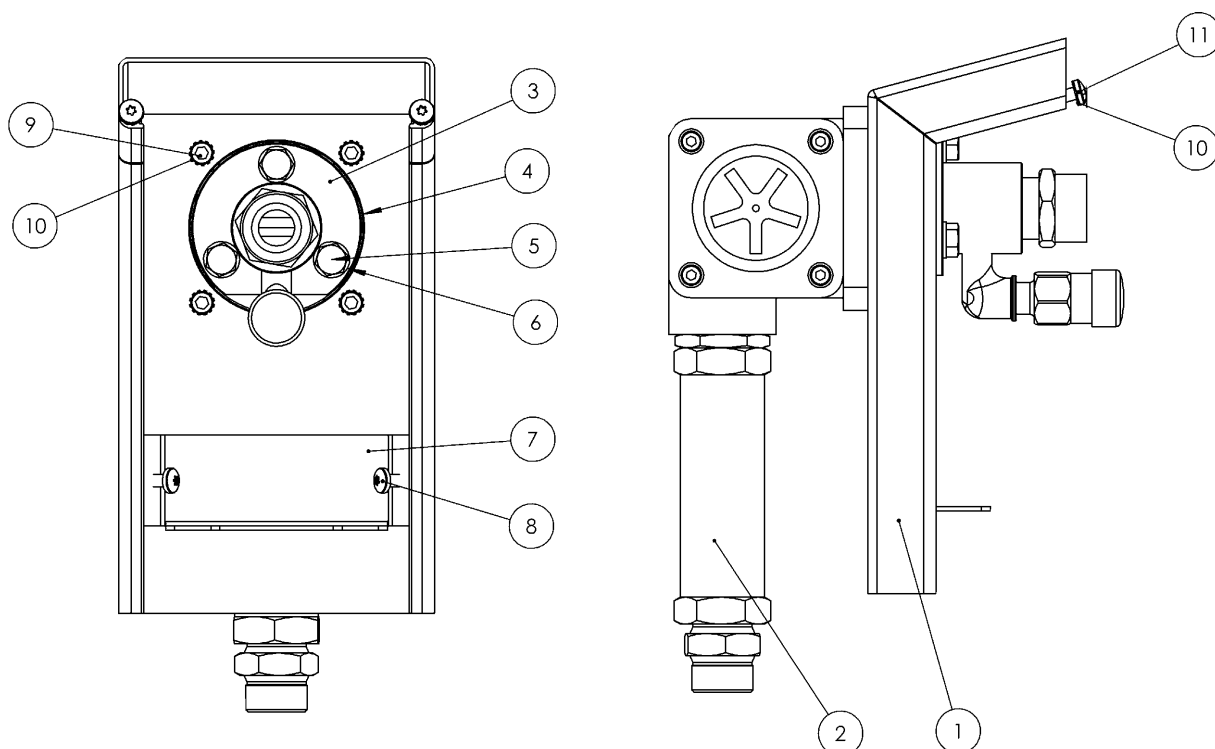
	Part number	Description
	WM007729	Upper hose retraction module

5.2.2 Lower hose retraction module. LHR

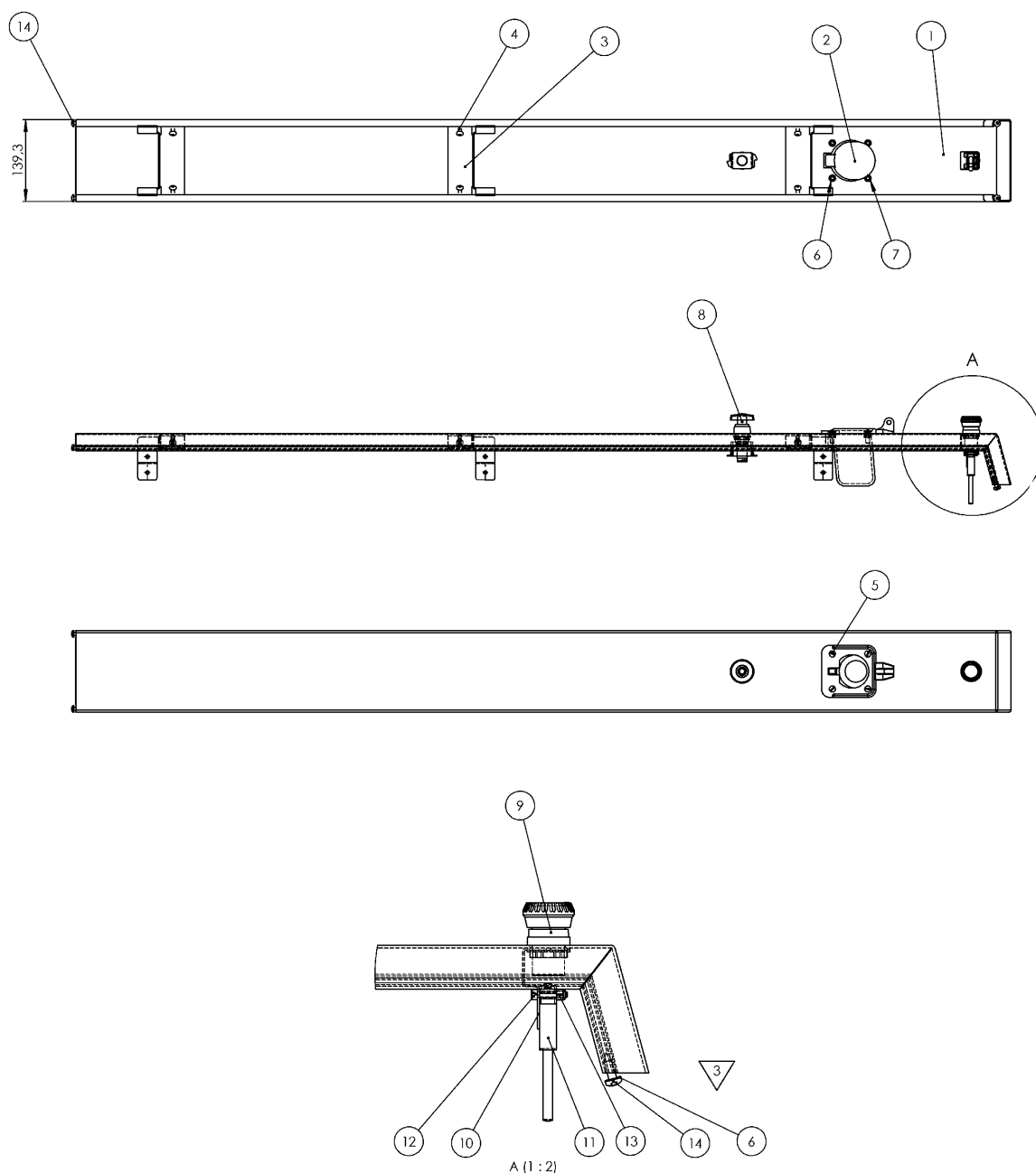


	Part number	Description
1	WM007745	Lower hose retraction module, part 1
2		Lower hose retraction module, part 2
	WM007740-0001	10kg
	WM007740-0002	8kg
	WM007740-0003	Single side, 10kg
	WM007740-0004	Single side, 8kg
	WM003772	Cord

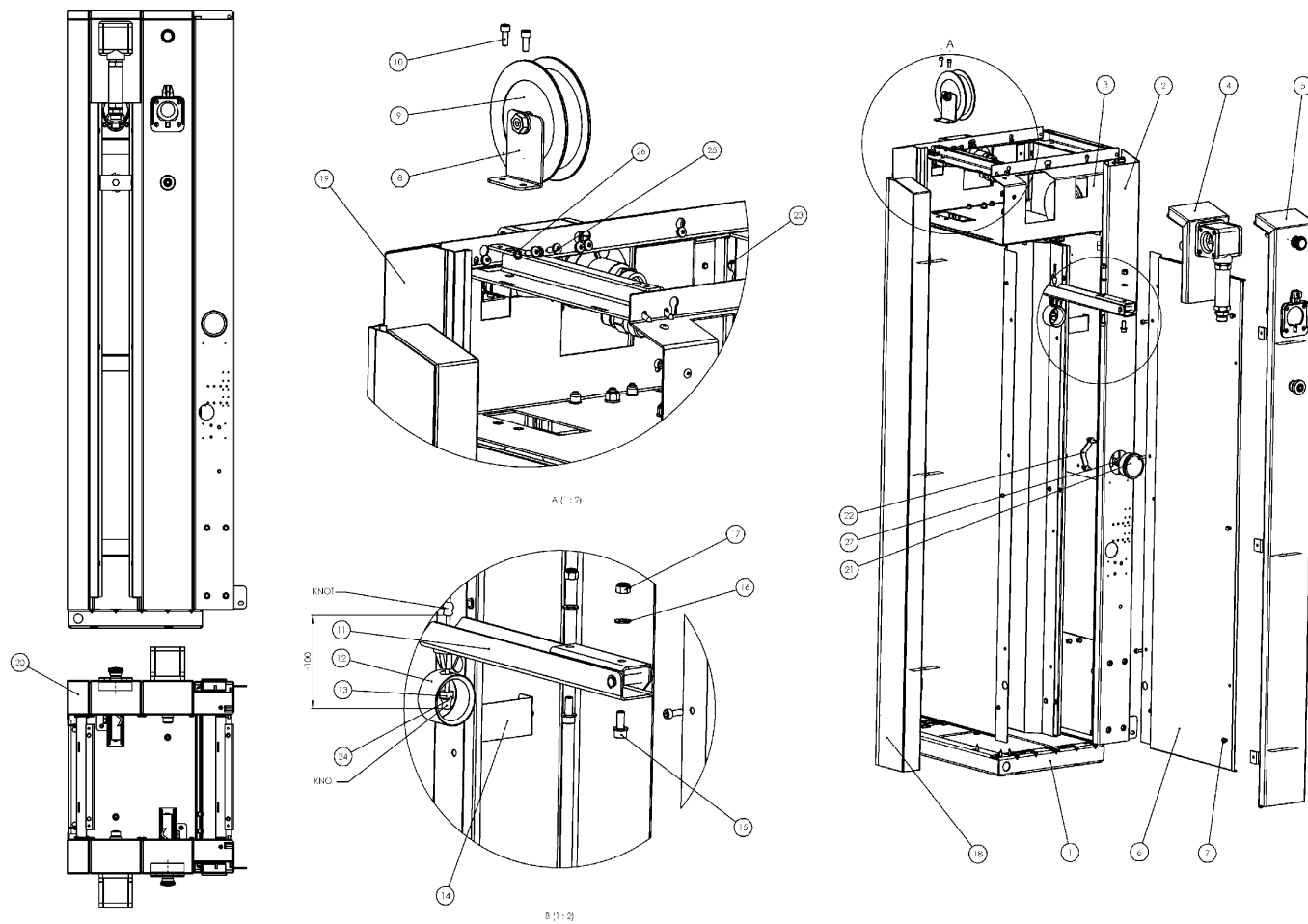
5.3 Column LPG - Line



	Part number	Description
1	WM001962-0004	Column 75 deg, width 140 mm, LPG
2	WM003388	Sight glass, LPG with breakaway valve
	WM000174	Sight glass LPG
	WM002174	Valve break-away
	WM002808	Coupling, straight LPG hose connection
	WM003389	Coupling, straight male 1" male 3/4"
	WM003160	Sealant loxal 58-11, thread sealant
3	WM003387	Flange LPG, with safety valve
	WM000282	Coupling, straight male GE22 L 3/4"NPT
	WM002191	Valve safety 25bar
	WM002820	Flange sight glass LPG
	WM004289	Coupling, 90 degree male 1/4" female 1/4"
	WM003160	Sealant loxal 58-11, thread sealant
4	WM003372	Gasket flange sight glass
5	WB000213-0001	Screw, hex head, M8 x 30
6	WB000232-0004	Washer, plain, M8 ID=8.4, OD=16, T=1.6
7	WM003368	Support, box shape
8	WB000295-0001	Self tapping screw, Torx, pan head, type F ST5,5 x 22
9	WB000211-0004	Screw, hexagon socket CAP, M6 x 12
10	WB000233-0003	Washer, lock, M6 ID=6.4, OD=11, T=0.7
11	WB000250-0001	Self tapping screw, Torx, pan head, type C ST5,5 x 19

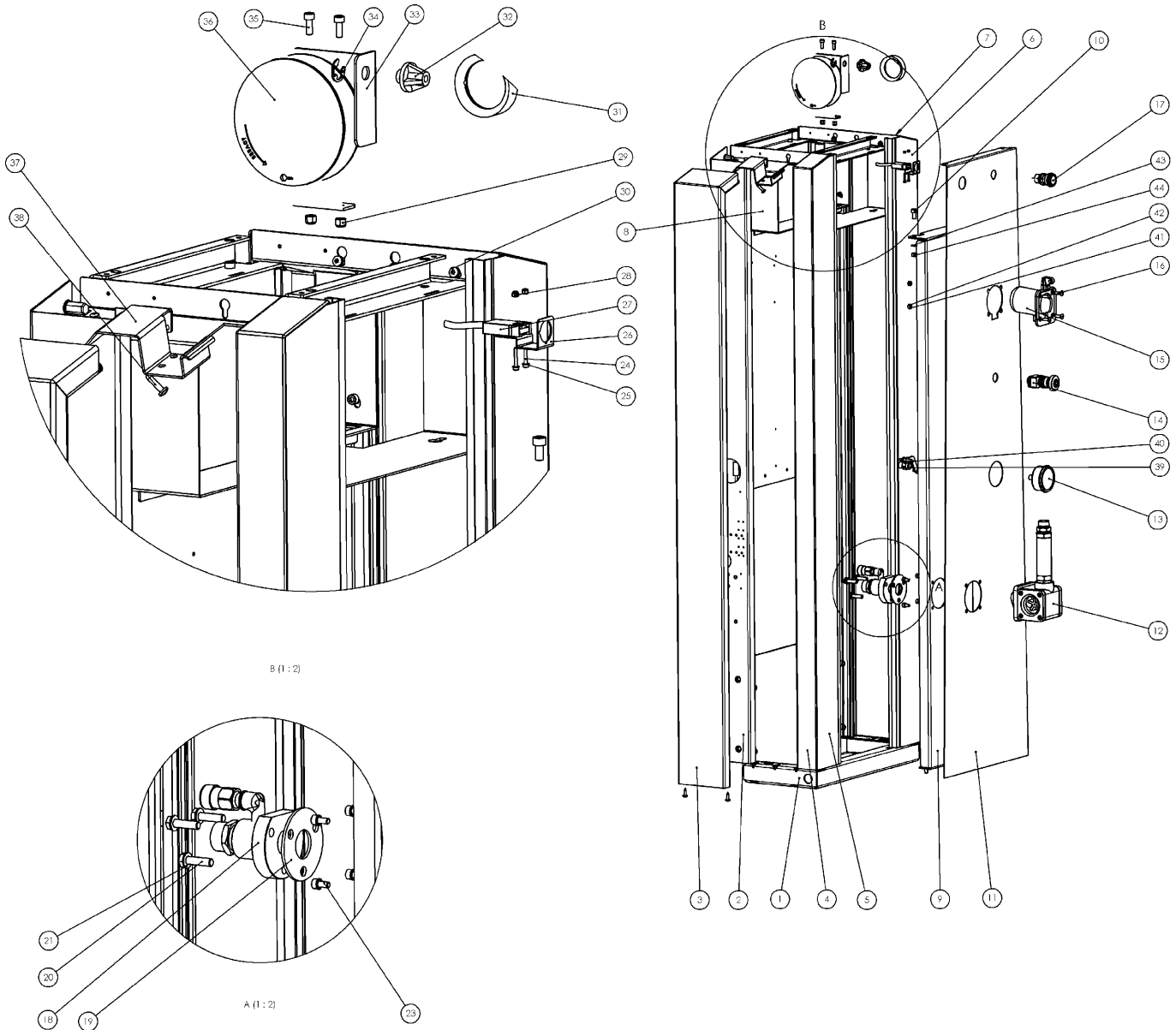


	Part number	Description
1	WM001962-0003	Column 75 deg, width 140 mm, LPG
2	WM000159	Nozzle boot, LPG
3	WM003371	Support, U-shape
4	WB000295-0001	Self tapping screw, Torx, pan head, type F ST5,5 x 22
5	WB000579-0001	Screw, slotted raised CSK, M6 x 20
6	WB000233-0003	Washer, lock, M6 ID=6.4, OD=11, T=0.7
7	WB000228-0003	Nut, M6
8	WM004027	Push-button mushroom black
9	WM004184	Emergency button
	WM004178	Bracket emergency button
11	WM004180	On/off switch emergency
12	WB000209-0002	Screw, hexagon socket cap, M4 x 20
13	WB000229-0002	Lock nut, M4
14	WB000250-0001	Self tapping screw, Torx, pan head, type C ST5,5 x 19



	Part number	Description
1	WM002330	Base, hose handling, 2 modules
	WB000252-0001	Pop rivet , dome head, 4.8 diameter , grip range 4.8 - 6.0
2	WM002317	Blind column
	WB000219-0001	Pop-nut, open, low profile csk, hex body, M6, grip range 0.7 - 3.0
	WB000220-0001	Pop-nut, open, low profile csk, hex body, M8, grip range 0.9 - 3.3
	WB000235-0001	Press screw, flush, M4 x 15
	WB000237-0001	Press screw, flush, M6 x 12
	WB000257-0001	Pop-nut, closed, low profile csk, hex body, M6, grip range 0.5 - 3.0
	WB000258-0001	Pop-nut, closed, low profile csk, hex body, m8 , grip range 0.7 - 3.0
3	WM002849	Top panel LPG
4	see page 78	
5	see page 79	
6	WM003374	Blind panel LPG
7	---	
8	WM002922	Support, l-shape hose reel LPG
9	WM001585	Retractor reel
10	WB000211-0001	Screw, hexagon socket caP, M6 x 16
11	WM003397	Lever LPG retraction
	WB000404	Retaining ring, external E-Type, shaft=9.5 DIA, ID=7, T=0.9
	WM002070	Retaining ring, external E-type, shaft=15.5 DIA, ID=12, T=1.3
	WM002901	Bracket hose retraction LPG
	WM002907	Lever hose retraction LPG
	WM003373	Shaft LPG retraction lever
	WM003396	Bushing cable guide
12	WM003417	Ring LPG, hose retraction
13	WM004726	Bearing knot LPG
14	WM004861	Support, U-shape filling button
15	WB000212-0001	Screw, hexagon socket cap, M8 x 20
16	---	
17	WB000229-0004	Lock nut, M8
18	WM003394	Corner column, side A LPG
	WB000295-0001	Self tapping screw, torx, pan head, type f ST5,5 x 22
	WM001972-0001	Side panel, side A 75 deg
	WM001973-0001	Corner column, side A 75 deg
	WM003369	Support, box shape
19	WM001972-0002	Side panel, side B 75 deg
20	WM001973-0002	Corner column, side B 75 deg
21	WM000929	Pressure gauge
22	WM001498	Bracket pressure gauge
23	WB000229-0003	Lock nut, M6
24	WM003772	Cord catalina black nylon cord
27	WM002175	Coupling, straight MAV 10-PLR

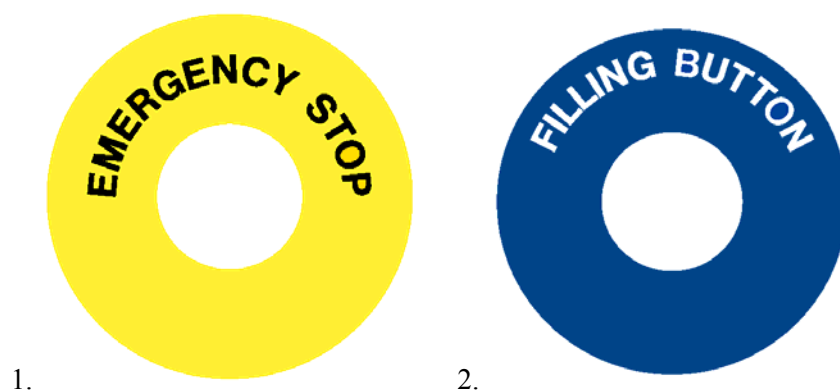
5.4 Column LPG - Island



	Part number	Description
	WM004178	Bracket emergency button
	WM005252	Support, L-shape reel, LPG island oriented
	WM005256-0001	Side panel LPG island oriented
	WM005249	Support, U-shape LPG island oriented
	WM003772	Cord catalina black nylon cord
	WM003174	Adhesive tape, double-sided width=12mm x thickness=3mm
1	---	
2	WM002317	Blind column
	WB000220-0001	Pop-nut, open, low profile csk, hex body, M8, grip range 0.9 - 3.3
	WB000219-0001	Pop-nut, open, low profile csk, hex body, M6, grip range 0.7 - 3.0
	WB000235-0001	Press screw, flush, M4 x 15
	WB000237-0001	Press screw, flush, M6 x 12
	WB000257-0001	Pop-nut, closed, low profile csk, hex body, M6, grip range 0.5 - 3.0
	WB000258-0001	Pop-nut, closed, low profile csk, hex body, M8, grip Range 0.7 - 3.0
3	WM001962-0001	Column 75 deg, width 140 mm
4	WM001973-0002	Corner column, side B 75 deg
5	---	
6	WM001972-0001	Side panel, side A 75 deg
	WM001972-0002	Side panel, side B 75 deg
7	WM001973-0001	Corner column, side A 75 deg
8	WM002154	Top panel 1 module
	WB000252-0001	Pop rivet , dome head, 4.8 diameter , grip range 4.8 - 6.0
9	---	
10	WB000212-0002	Screw, hexagon socket CAP, M8 x 16
11	---	
12	WM003388	Sight glass, LPG with breakaway valve
	WM000174	Sight glass LPG
	WM002808	Coupling, straight LPG hose connetion
	WM002174	Valve break-away
	WM003389	Coupling, straight male 1" male 3/4"
	WM003160	Sealant loxal 58-11, thread sealant
13	WM000929	Pressure gauge
14	WM004027	Push-button mushroom black
15	WM000159	Nozzle boot, LPG
16	WB000579-0001	Screw, slotted raised CSK, M6 x 20
17	WM004184	Emergency button
18	WM003387	Flange LPG, with safety valve
	WM000282	Coupling, straight male GE22 L ¾"NPT
	WM002191	Valve safety 25bar
	WM002820	Flange sight glass LPG
	WM004289	Coupling, 90 degree male 1/4" female 1/4"
	WM003160	Sealant loxal 58-11, thread sealant
19	WM003372	Gasket flange sight glass
20	WB000213-0001	Screw, hex head, M8 x 30
21	WB000232-0004	Washer, plain, M8 ID=8.4, OD=16, T=1.6
22	---	
23	WB000211-0004	Screw, hexagon socket CAP, M6 x 12
24	WB000334-0002	Screw, hexagon socket CAP, M3 x 20
25	WB000232-0001	Washer, plain, M3 ID=3.2, OD=7, T=0.5
26	---	
27	WM004180	On/off switch emergency
28	WB000229-0001	Lock nut, M3

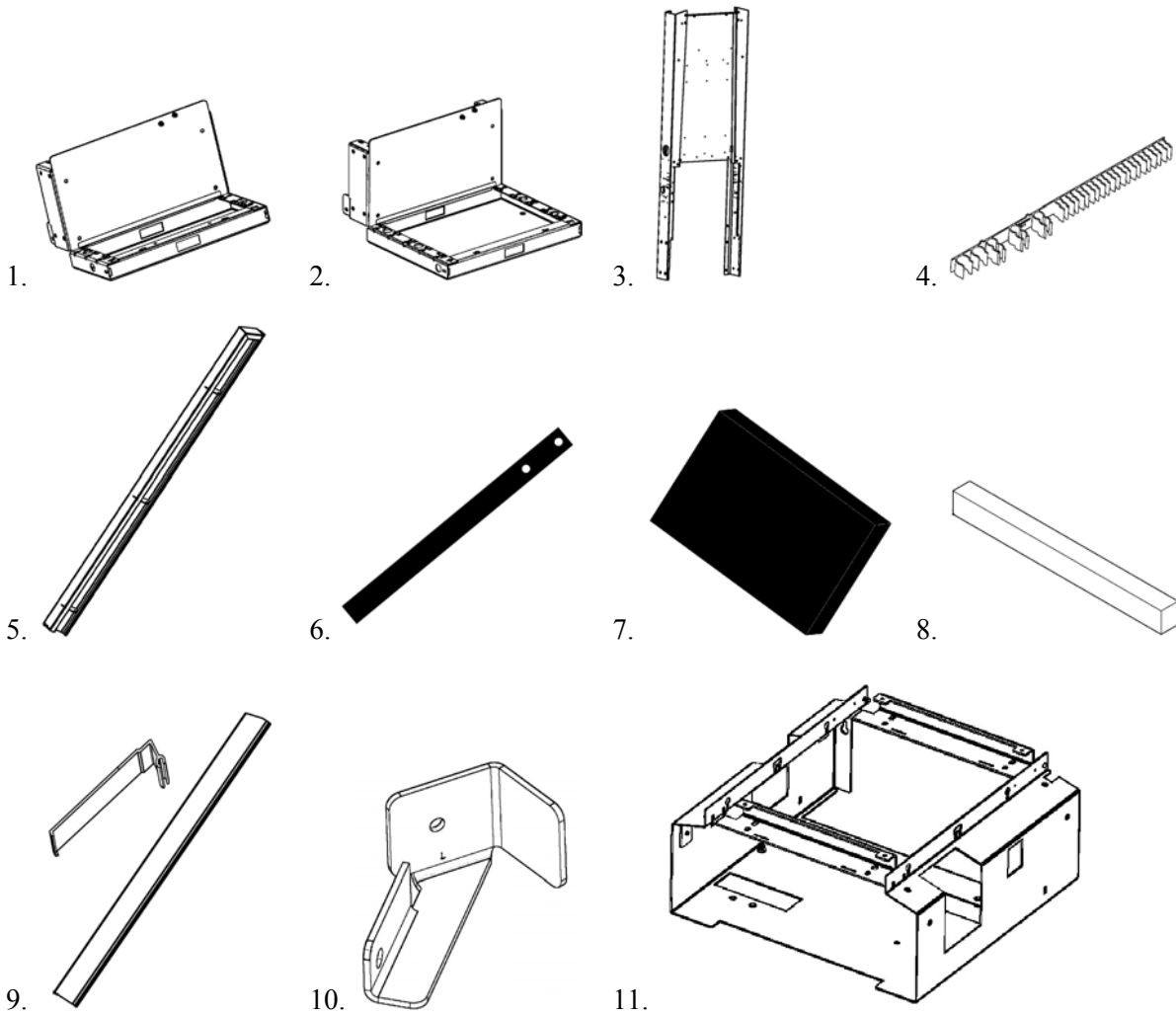
	Part number	Description
29	WB000229-0003	Lock nut, M6
30	WB000250-0001	Self tapping screw, Torx, pan head, type C ST5,5 x 19
31	WM005254	Ring hose retraction, LPG island oriented
32	WM003396	Bushing cable guide
33	---	
34	WM002070	Retaining ring, external e-type, shaft=15.5 DIA, ID=12, T=1.3
35	WB000211-0001	Screw, hexagon socket cap, M6 x 16
36	WM001585	Retractor reel
37	WM002455	Support, Z-shape
38	WB000295-0001	Self tapping screw, Torx, pan head, type F ST5,5 x 22
39	WM002175	Coupling, straight mav 10-PLR
40	WM001498	Bracket pressure gauge
41	WB000233-0003	Washer, lock, M6 ID=6.4, OD=11, T=0.7
42	WB000228-0003	Nut, M6
43	WB000233-0004	Washer, lock, M8 ID=8.4, OD=15, T=0.8
44	WB000228-0004	Nut, M8

5.5 Column LPG - Decales



	Part number	Description
1		Emergency Stop
	WM005133	eng
	WM005543	PL
	WE000337	HR
2		Filling button
	WM005134	eng
	WM005544	PL
	WE000338	HR

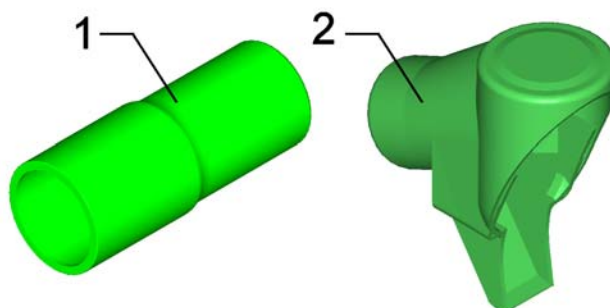
5.6 Framework hose handling - LPG



	Part number	Description
	WB000229-0004	Lock nut, M8
	WB000252-0001	Pop rivet , dome head, 4.8 diameter, grip range 4.8 - 6.0
	WB000256-0002	Pop rivet, dome head, 3.2 diameter, grip range 3.2 - 4.5
	WB000257-0001	Pop-nut, closed, low profile CSK, hex body, M6, grip range 0.5 - 3.0
	WB000258-0001	Pop-nut, closed, low profile CSK, hex body, M8, grip range 0.7 - 3.0
	WB000219-0001	Pop-nut, open, low profile CSK, hex body, M6 , grip range 0.7 - 3.0
	WB000220-0001	Pop-nut, open, low profile CSK, hex body, M8, grip range 0.9 - 3.3
	WB000235-0001	Press screw, flush, M4 x 15
	WB000237-0001	Press screw, flush, M6 x 12
	WB000401-0002	Screw, CSK socket cap, M8 x 12
	WB000250-0001	Self tapping screw, Torx, pan head, type C ST5,5 x 19
	WB000295-0001	Self tapping screw, Torx, pan head, type F ST5,5 x 22
	WM003790	Sealant silicon, translucent
1	WM002329	Base, hose handling, 1 module
2	WM002330	Base, hose handling, 2 modules
3	WM002317	Blind column
4	WM001061	Clamp
5	WM003394	Corner column, side A LPG
6	WM002215	Gasket
7	WM002245	Gasket 160x240, T=50
8		Gasket
	WM002533	L=310 mm
	WM002537	L=355 mm
	WM002538	L=373 mm
	WM002531	L=383 mm
9		Side panel
	WM001972-0001	Side A 75 deg
	WM001972-0002	Side B 75 deg
10	WM003369	Support, box shape
11	WM002849	Top panel LPG

5.7 Nozzle and hose

5.7.1 Cover



	Part number	Description
1		Hose cover
	WM003170-0001	Black, ST16
	WM003164-0001	Black, ST21
	WM003170-0002	Blue, ST16
	WM003164-0002	Blue, ST21
	WM003170-0003	Green, ST16
	WM003164-0003	Green, ST21
	WM003170-0004	Red, ST16
	WM003164-0004	Red, ST21
	WM003170-0005	White, ST16
	WM003164-0005	White, ST21
	WM003164-0006	Yellow, ST21
	WM003170-0006	Yellow; ST16
2		Nozzle cover without VR
	WM002013-0006	Black
	WM002013-0005	Blue
	WM002013-0003	Green
	WM002013-0004	Red
	WM002013-0001	White
	WM002013-0002	Yellow
		Nozzle cover with VR
	WM002337-0005	Black
	WM002337-0004	Blue
	WM002337-0002	Green
	WM002337-0003	Red
	WM002337-0006	White
	WM002337-0001	Yellow

5.7.2 Nozzle

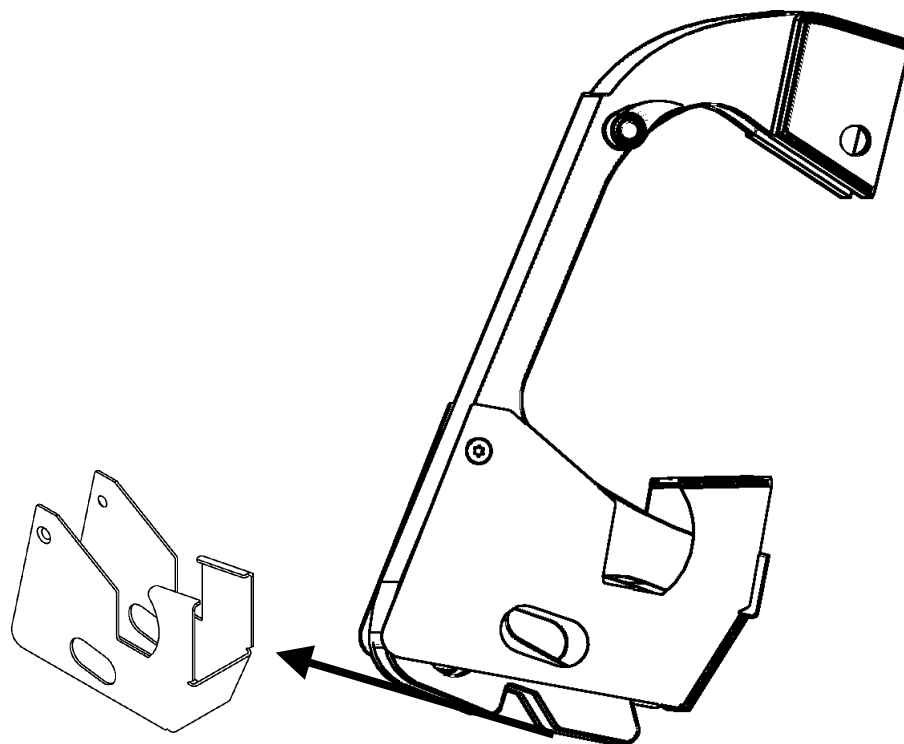


Nozzles from left to right in picture above:

1. Nozzle spout 31mm. Recommended for high speed flowrates up to 130 lpm.
2. Nozzle spout 24,5mm with drip catch. For flowrates between 40-70 lpm.
3. Nozzle spout 24,5mm. For diesel and leaded petrol with flowrates 40-70 lpm.
4. Nozzle spout 21mm for unleaded petrol. Maximum flowrate 40 lpm.

	Part number	Description
	WM000169	LPG
		Without cover, without VR
	WM002012-0001	19mm, 8D, spout ID=19/OD=24.5
	WM002012-0002	19mm, 8D, spout ID=16/OD=21
	WM002012-0003	19mm, 8D, spout ID=21/OD=25, drip catcher + stop
	WM002012-0007	19mm, 8D, spout ID=21/OD=25, drip catcher
		Without cover, with VR
	WM002122-0001	8D, spout OD=25
	WM002122-0002	8D, spout OD=21
	WM002122-0003	8, spout OD=25
	WM002122-0004	8, spout OD=21
		With cover, without VR
	U WM002128	ZVA 25, 8D, black
	WM002016-0007	19mm, 8D, spout ID=16/OD=21, black
	WM002016-0008	19mm, 8D, spout ID=16/OD=21, blue
	WM002016-0009	19mm, 8D, spout ID=16/OD=21, green
	WM002016-0010	19mm, 8D, spout ID=16/OD=21, red
	WM002016-0011	19mm, 8D, spout ID=16/OD=21, white
	WM002016-0012	19mm, 8D, spout ID=16/OD=21, yellow
	U WM002016-0002	19mm, 8D, spout ID=19/OD=24.5, black
	WM002016-0006	19mm, 8D, spout ID=19/OD=24.5, blue
	WM002016-0005	19mm, 8D, spout ID=19/OD=24.5, green
	WM002016-0004	19mm, 8D, spout ID=19/OD=24.5, red
	WM002016-0003	19mm, 8D, spout ID=19/OD=24.5, white
	WM002016-0001	19mm, 8D, spout ID=19/OD=24.5, yellow
	WM002016-0013	19mm, 8D, spout ID=21/OD=25, black, D.catch+stop
	WM002016-0037	19mm, 8D, spout ID=21/OD=25, black, drip catcher

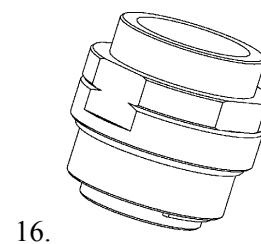
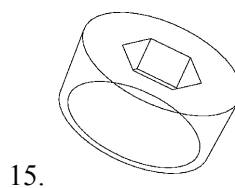
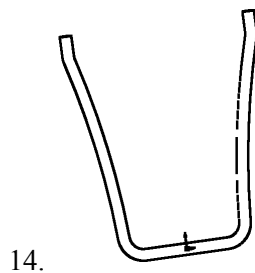
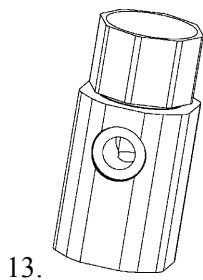
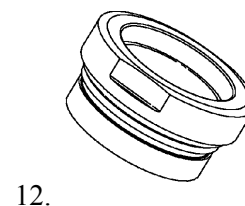
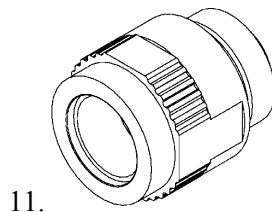
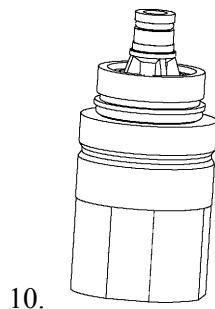
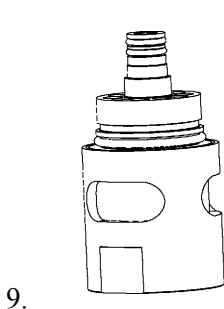
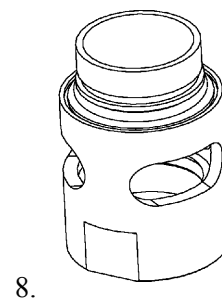
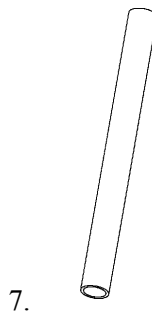
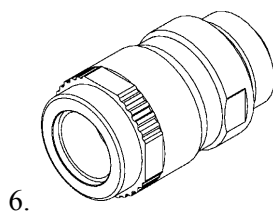
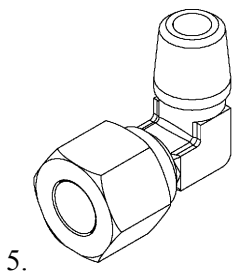
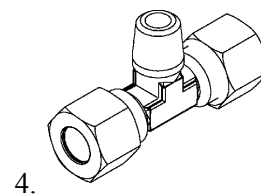
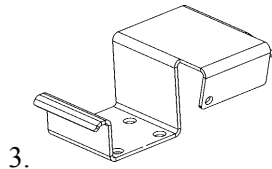
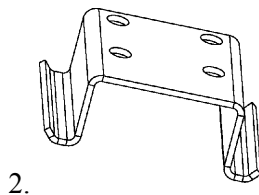
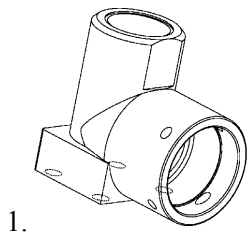
	Part number	Description
		With cover, with VR
	U WM002123-0017	8, spout OD=21, green
	WM002123-0007	8D, spout OD=21, black
	WM002123-0008	8D, spout OD=21, blue
	WM002123-0009	8D, spout OD=21, green
	WM002123-0010	8D, spout OD=21, red
	WM002123-0011	8D, spout OD=21, white
	WM002123-0012	8D, spout OD=21, yellow
	WM002123-0002	8D, spout OD=25, black
	WM002123-0006	8D, spout OD=25, blue
	WM002123-0005	8D, spout OD=25, green
	WM002123-0004	8D, spout OD=25, red
	WM002123-0003	8D, spout OD=25, white
	WM002123-0001	8D, spout OD=25, yellow
	WM002009	Handle 8D
2	WM005331	Nozzle locking mechanism
	WM000631-0001	Self tapping screw, TORX, CSK HEAD, type C ST 2,9X9,5



5.7.3 Hose, LHR

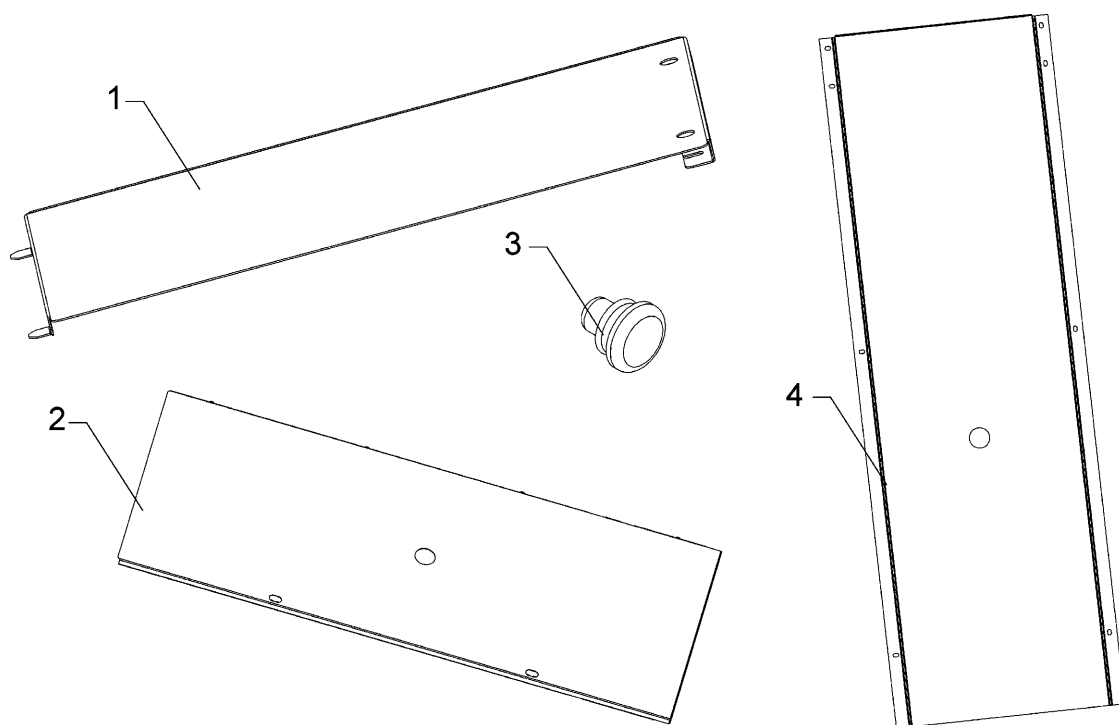
	Part number	Description
	WM002078-0002	Biodiesel ID=16 mm, L=5.0 m, black
	WM002081-0002	Biodiesel ID=21 mm, L=5.0 m, black
	WM002095	H.VR, L=4.9 m, black
	WM002078	ID=16 mm, L=5.0 m, black
	WM002081	ID=21 mm, L=5.0 m, black
	WM002083	ID=25 mm, L=5.0 m, black
	WM004691	LPG ID=13, L=3350
	WM004691-0001	LPG ID=13, L=3800 bend protection
	WM002078-0001	LT ID=16 mm, L=5.0 m, black
	WM002081-0001	LT ID=21 mm, L=5.0 m, black
	WM002083-0001	LT ID=25 mm, L=5.0 m, black
	WM002095-0001	LT VR, L=4.9 m, black

5.7.4 Miscellaneous



	Part number	Description
	WM003160	Sealant loxal 58-11, thread sealant
	WB000260-0001	Taptite screw, hexagon socket cap, M6 x 16
1	WM002031	Coupling, 90 degree female double-bump, male 1" BSP
2	WM002079	Support, U-shape
3	WM002455	Support, Z-shape
4	WM002045	Coupling, T-coupling male R 1/4, D=10 both ends
5	WM002047	Coupling, 90 degree male R 1/4, D=10
6	WM002024	Break-away and swivel
7		Tube, vapour
	WM002161	L=110 mm
	WM002718	L=250 mm
8	WM002348	Sight glass (without VR)
9	WM002030	Sight glass with VR
10	WM002068	Break-away male THD M34 x 1.5, female THD 34 x 1.5
11	WM002015	Swivel
12	WM002058	Coupling, straight male M42 x 1.5, female M32 x 1.5
13	WM002117	Housing, machined ZAF 2.1cr
14	WM001925	Lock pin for tube fitting
15	WB000367-0001	Plug, hexagon socket pipe plug M26 x 1.5
16	WM003048	Swivel male 42x1.5, female 1"
17	WM003021	O-ring T=4.0, ID=24
	WM002217	O-ring t=5.0, ID=21 (for "double bump", tube connection)

5.8 Divider panel, LHR



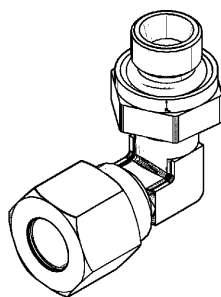
	Part number	Description
	WM003175	Gasket u-shape, EPDM
1	WM002172	Support, box shape
2	WM002171	Support, box shape
3	WB000339-0001	Plastic fastener rivet, thickness range 2.5 - 4.0 THK
4	WM002140	Blind panel



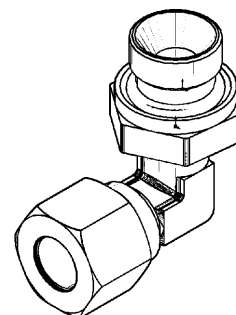
6 Vapour recovery



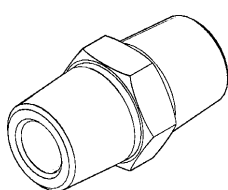
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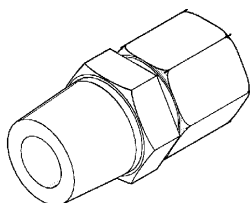
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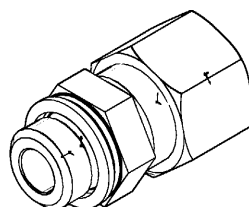
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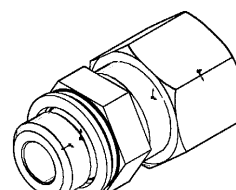
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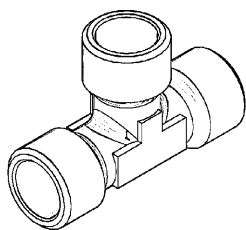
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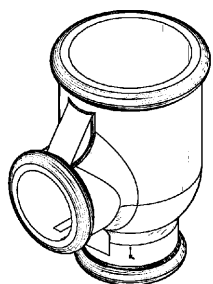
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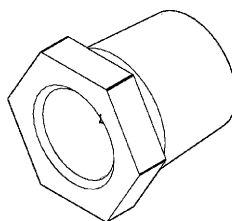
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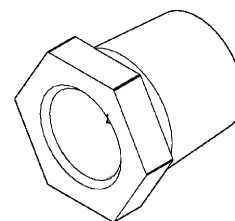
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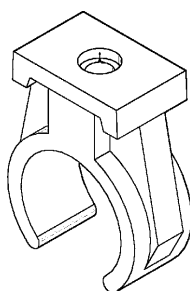
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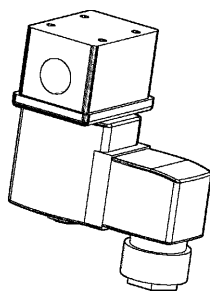
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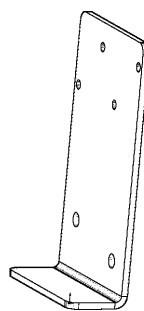
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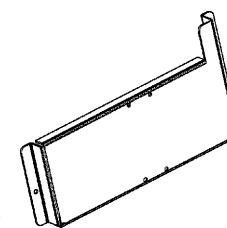
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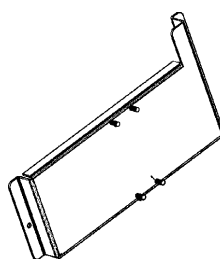
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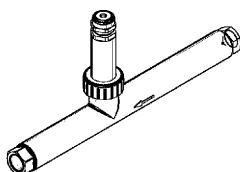
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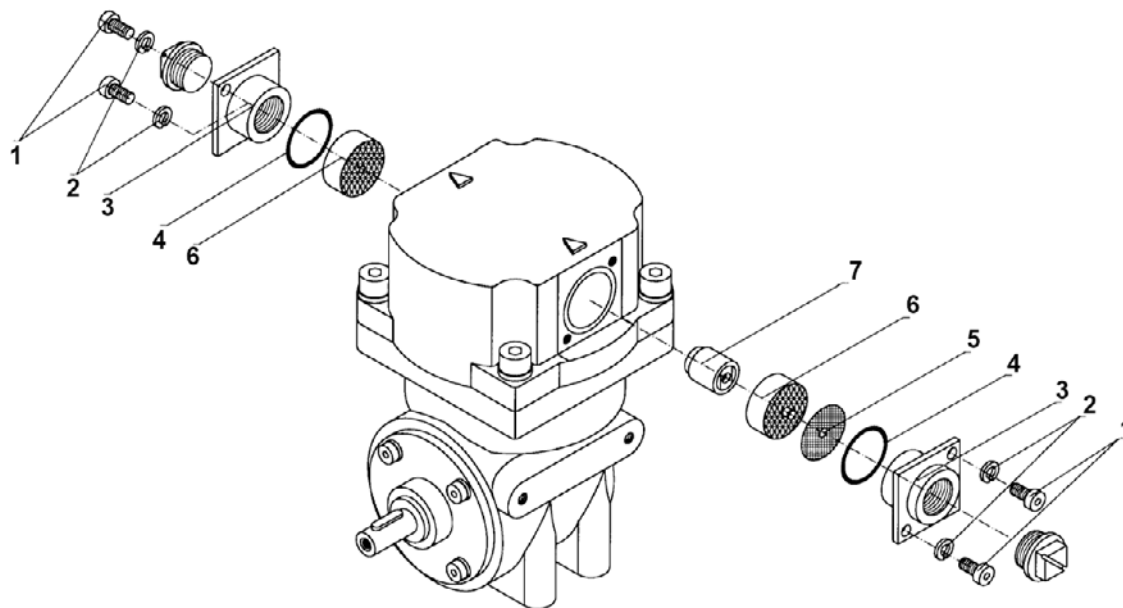
16.



17.

	Part number	Description
	WB000229-0002	Lock nut, M4
	WB000229-0004	Lock nut, M8
	WB000238-0001	Press screw, flush, M8 x 20
	WB000209-0001	Screw, hexagon socket cap, M4 x 10
	WB000211-0001	Screw, hexagon socket cap, M6 x 16
	WB000212-0001	Screw, hexagon socket cap, M8 x 20
	WM004294	Washer, plain
1		Combined unit
	WM001080	Vapour pump and motor 3-phase 230V, 1 pump, piston
	WM001084	Vapour pump and motor 3-phase 230V, 2 pumps, piston
	WM003825	Vapour pump and motor 3-phase 400V, 1 pump, membrane
	WM001081	Vapour pump and motor 3-phase 400V, 1 pump, piston
	WM003824	Vapour pump and motor 3-phase 400V, 2 pumps, membrane
	WM001086	Vapour pump and motor 3-phase 400V, 2 pumps, piston
	WM000998	Vapour pump and motor single phase 230V, 1 pump, piston
	WM000997	Vapour pump and motor single phase 230V, 2 pumps, piston
		Coupling
2	WM002051	90 degree male G 1/4, D=10
3	WM002055	90 degree male G 3/8, D=10
4	WB000351-0001	Straight, male adapter R1/4" x R1/4"
5	WB000373	Straight, male R1/4", D=6
6	WM002037	Straight male G 1/4, D=10
7	WM002041	Straight male G 3/8, D=10
8	WB000345-0001	T-coupling, equal, female, G1/4"
9	WB000344-0001	T-coupling, female Rp1" x Rp1/2" x Rp1/2"
10	WB000343-0001	Bushing, male R1/2" x female Rp3/8"
11	WB000343-0002	Bushing plastic, male R1/2" x female Rp3/8"
12	WB000346-0002	Clip, for 24 tube, M5 fixing
13	WM001267	Solenoid valve, proportional, single
14	WM002293	Support, L-shape
15	WM001889	Support, U-shape
16	WM001893	Support, U-shape
17	WM000930	Vapour meter Fafnir Vaporix-flow

6.1 Vapour pump ASF Thomas



At least every second year a test of the recovery rate A/L (air/liquid) must be made. If the A/L rate is less than 80%, maintenance of the VR pump shall be done according to the instructions from ASF Thomas. See document 461383.

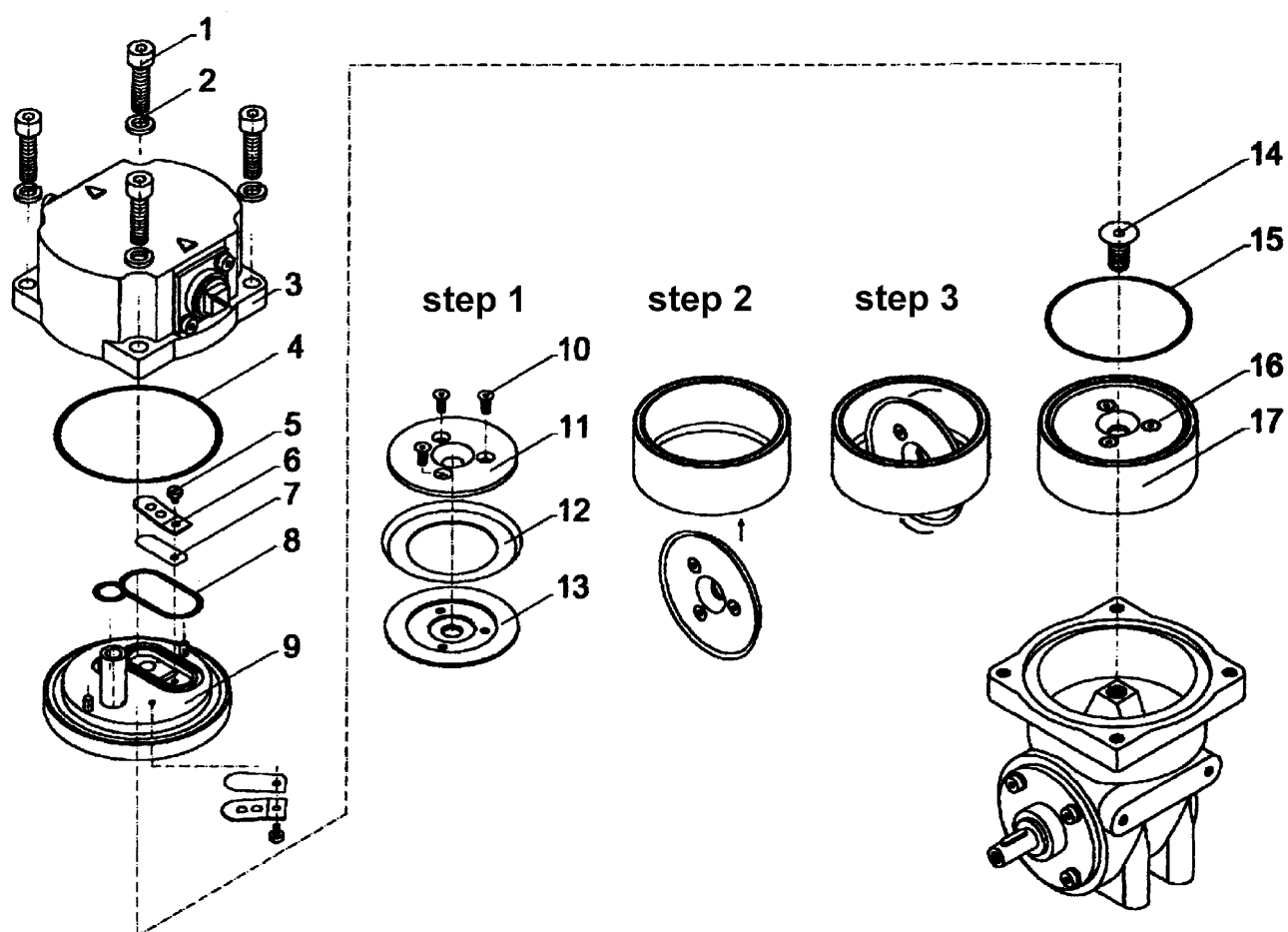


WARNING!!

The A/L test shall be performed at least every second year to verify that the VR system is working and also for safety reason to verify that the vapour recovery pump inlet and outlet is not blocked by dirt et c.

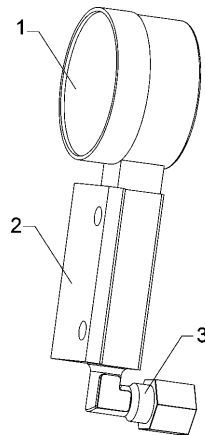
Don't use a defect unit.

	Part number	Description
4	WM000752	O-ring
5	WM007534	Filter
6	WM000745	Flame resistor
7	WM007540	Reducing valve



	Part number	Description
4	WM000750	O-ring
7	WM007539	Valve washer
8	WM000751	O-ring
12	WM007543	Piston sealing
15	WM007538	O-ring

6.2 Pressure gauge



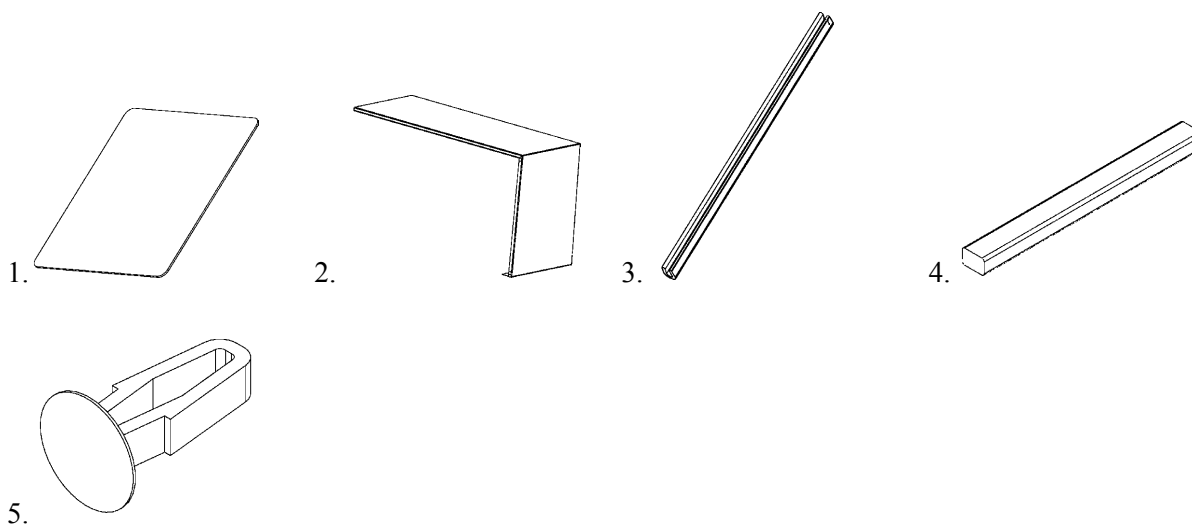
	Part number	Description
	WM001545	Pressure gauge ass'y
	WM001544	Pressure gauge
	WM001812	Coupling 90 degree
	WM002449	Coupling straight
	WM003160	Sealant loxal 58-11, thread sealant

6.3 Tube vapour, LHR

	Part number	Description
	WM002161	Tube, vapour L=110 mm
	WM002718	Tube, vapour L=250 mm
		Tube, vapour, side A
	WM002523	Dispenser, pump - valve
	WM002524	Dispenser, return, 3 phase motor
	WM002525	Dispenser, return, single phase motor
	WM002559	Side A pump - valve, 3 phase motor
	WM002561	Side A pump - valve, single phase motor
	WM002560	Side A return, 3 phase motor
	WM002562	Side A return, single phase motor
	WM002706	Side A valve - vacuum gauge
	WM002703	Side A valve - Vaporix
	WM002581	Valve - nozzle 1
	WM002585	Valve - nozzle 2
	WM002586	Valve - nozzle 3
	WM002696	Vaporix - nozzle 1
	WM002697	Vaporix - nozzle 2
	WM002698	Vaporix - nozzle 3
		Tube, vapour, side B
	WM002521	Side B dispenser, pump - valve
	WM002522	Side B dispenser, return
	WM002557	Side B pump - valve
	WM002558	Side B return
	WM002707	Side B valve - vacuum gauge
	WM002708	Side B valve - vacuum gauge, single sided
	WM002705	Side B valve - Vaporix
	WM002588	Valve - nozzle 1
	WM002589	Valve - nozzle 2
	WM002591	Valve - nozzle 3
	WM002699	Vaporix - nozzle 1
	WM002700	Vaporix - nozzle 2
	WM002702	Vaporix - nozzle 3

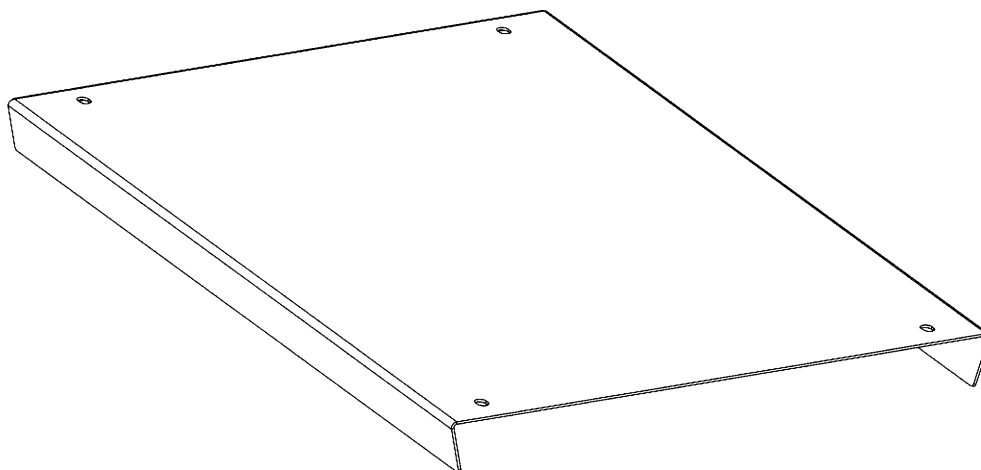
7 Exterior

7.1 Electronic head



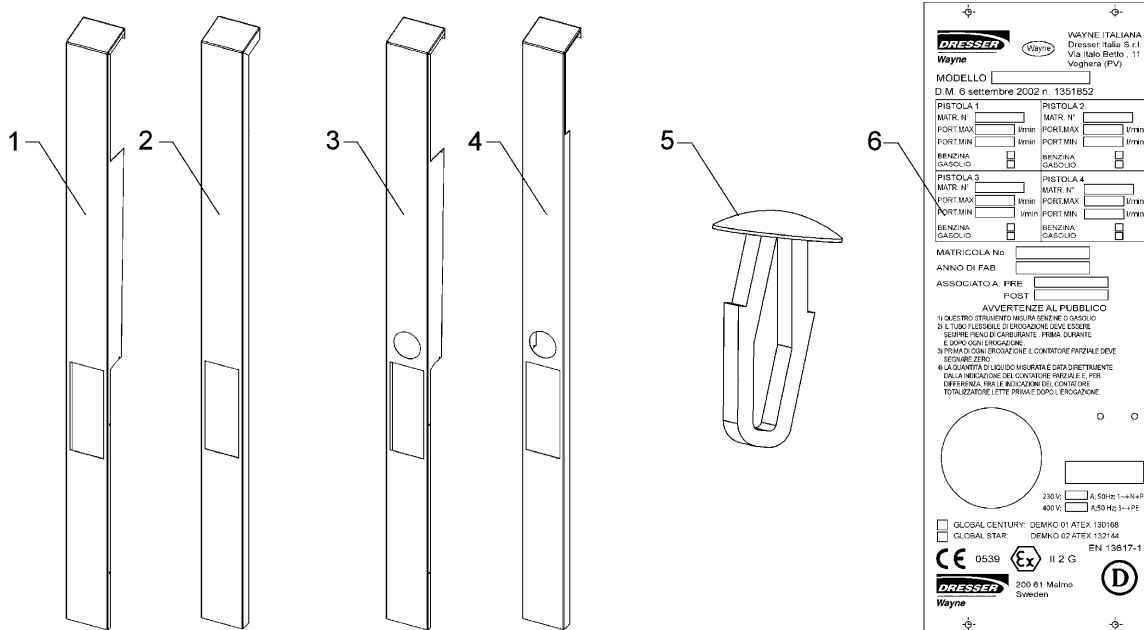
	Part number	Description
	WB000251-0001	Pop rivet, csk head, 4.0 diameter, grip range 2.0 - 4.4, closed end
1	WM002373	Cover plate
		Cover plate
2	WM002152-0001	Top panel
	WM003191-0001	Top panel 90 deg
	WM003191-0002	Top panel 90 deg, for indicator lamp
	WM002152-0002	Top panel for indicator lamp
	WM002486-0001	Top panel PT
	WM002486-0002	Top panel pt indicator lamp
3	WB000267-0001	Edge protector grip range 1.0 - 2.0 THK
4	WB000269-0001	Gasket EMI shielding, 9.5 x 6.4
5	WB000264-0001	Plastic fastener, drive fastener thickness range 1.0 - 4.5

7.2 Cover plate, top panel, hose handling, LHR



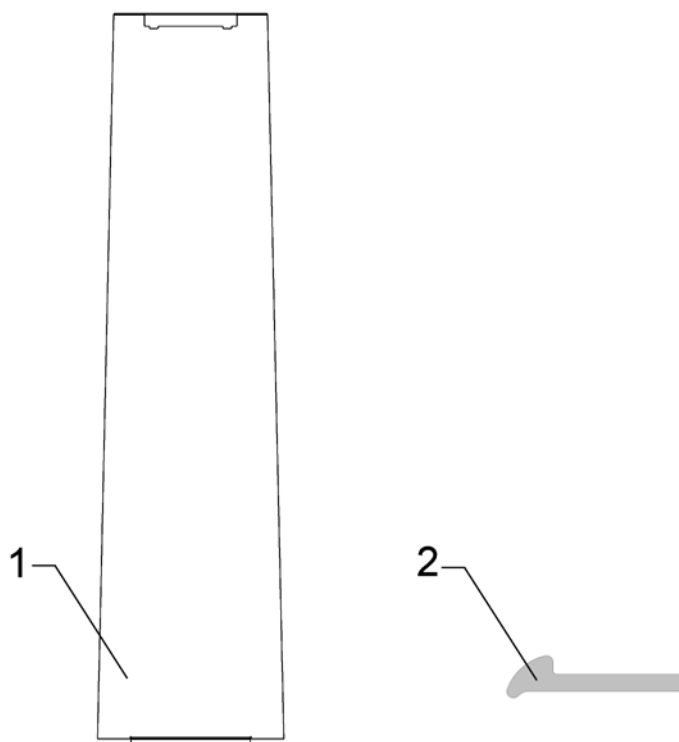
	Part number	Description
	WB000250-0001	Self tapping screw, Torx, pan head, type C ST5,5 x 19
		Cover plate, top panel
	WM002040	1 module
	WM002042	2 modules
	WM001378	3 modules
	WM002043	4 modules

7.3 Cover plate, column, LHR



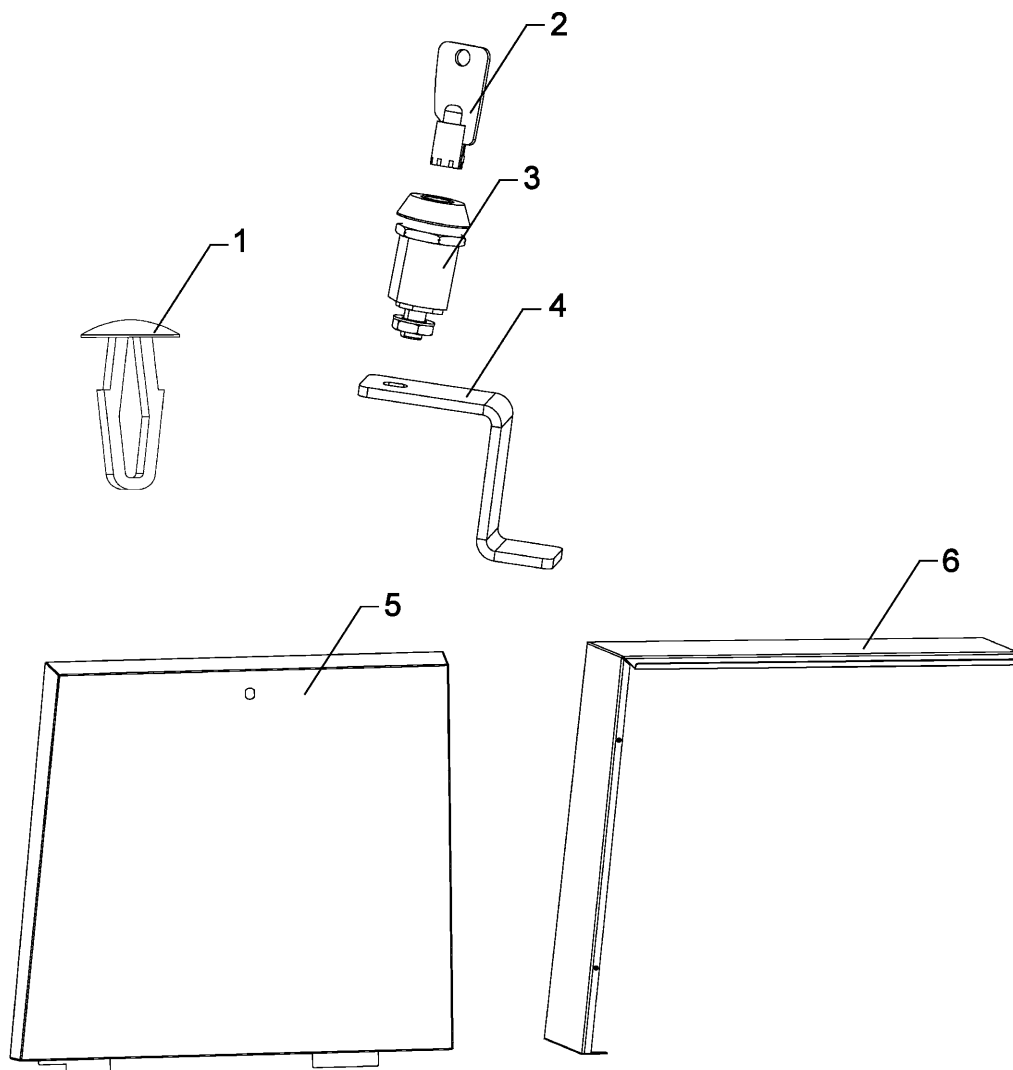
	Part number	Description
	WM003173	Adhesive tape, double-sided width=1/2" x thickness=0.85mm
		Cover plate, column
	WM005356	Side A, B2B
	WM005357	Side B, B2B
1	WM000735	Side A
2	WM000756	Side B
3	WM004158	Side A LPG
4	WM004159	Side B LPG
5	WB000264-0001	Plastic fastener, drive fastener thickness range 1.0 - 4.5
6		Approval label
	WM003775	Blind plate
	WM003991	Croatia
	WM003928	Czech Republic
	WM003370	Germany
	WM003439	Italy (with VR pressure gauge)
	WM003806	Italy (without VR pressure gauge)
	WM003660	Spain
	WM003184	Sweden
	WM003844	Switzerland
	WM003773	Ukraine
	WM003769	Yugoslavia

7.4 Side panel, hose handling, LHR



	Part number	Description
1	WM003174	Adhesive tape, double-sided width=12mm x thickness=3mm
		Side Panel
	WM000731-0002	AL
	WM003118-0001	Wayne std, pure white, RAL 9010, gloss 70
	WM003118-0002	SAAB steel grey original
	WM003118-0003	Mint green, RAL 6029, GLOSS 70
	WM003118-0004	Ultramarine blue, RAL 5002, gloss 70
	WM003118-0005	PMS 2935 C
	WM003118-0006	Signal yellow, RAL 1003, gloss 70
	WM003118-0007	Traffic yellow, RAL 1023, gloss 70
2	WM003118-0008	BP green PL
	WM003118-0009	Traffic red, RAL 3020, gloss 70
	WM003000	Profile list

7.5 Front panel, hydraulic

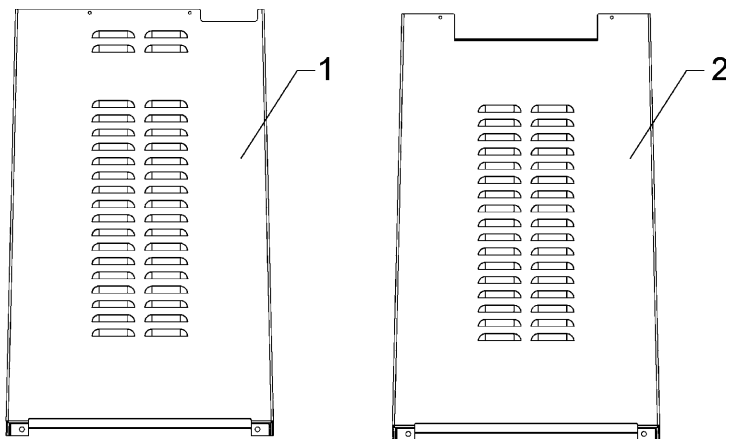


Painting instructions, see document 461312.

	Part number	Description
	WB000211-0001	Screw, hexagon socket cap, M6 x 16
1	WB000264-0001	Plastic fastener, drive fastener thickness range 1.0 - 4.5
2	WM003119	Key
3		Lock
	WM001994-0002	Std
	WM001994-0001	Individually keyed
4	WM003108	Latch hydraulic door
5		Front panel, side A, 3 modules 90 deg
	WM003113-0003	Wayne std, pure white, RAL 9010, gloss 70
	WM003113-0011	SAAB steel grey original
	WM003113-0021	BFT
	WM003113-0025	Traffic black, RAL 9017, gloss 70
		Front panel, side A, 3 modules 96 deg
	WM003113-0001	Wayne std, pure white, RAL 9010, gloss 70
	WM003113-0009	SAAB steel grey original
	WM003113-0019	BFT
	WM003113-0029	Ultramarine blue, RAL 5002, gloss 70
	WM003113-0031	PMS 2935 C
	WM003113-0033	Signal yellow, ral 1003, gloss 70
	WM003113-0035	Traffic yellow, RAL 1023, gloss 70
	WM003113-0039	Q8
	WM003113-0043	AVIA
	WM003113-0045	White aluminium, RAL 9006, gloss 70
	WM003113-0047	BP green PL
	WM003113-0049	Traffic red, RAL 3020, gloss 70
		Front panel, side A, 4 modules 90 deg
	WM003113-0007	Wayne std, pure white, RAL 9010, gloss 70
	WM003113-0015	SAAB steel grey original
	WM003113-0051	BFT
	WM003113-0055	Gentian blue RAL, 5010, gloss 70
		Front panel, side A, 4 modules 96 deg
	WM003113-0005	Wayne std, pure white, RAL 9010, gloss 70
	WM003113-0013	SAAB steel grey original
	WM003113-0017	Mint green, RAL 6029, gloss 70
	WM003113-0023	BFT
	WM003113-0037	Traffic yellow, RAL 1023, gloss 70
	WM003113-0053	Ultramarine blue, RAL 5002, gloss 70
		Front panel, side B, 3 modules 90 deg
	WM003113-0004	Wayne std, pure white, RAL 9010, gloss 70
	WM003113-0012	SAAB steel grey original
	WM003113-0022	BFT
	WM003113-0026	Traffic black, RAL 9017, gloss 70
		Front panel, side B, 3 modules 96 deg
	WM003113-0002	Wayne std, pure white, RAL 9010, gloss 70
	WM003113-0010	SAAB steel gery original
	WM003113-0020	BFT
	WM003113-0030	Ultramarine blue, RAL 5002, gloss 70
	WM003113-0032	PMS 2935 C
	WM003113-0034	Signal yellow, RAL 1003, gloss 70
	WM003113-0036	Traffic yellow, RAL 1023, gloss 70
	WM003113-0040	Q8
	WM003113-0044	AVIA

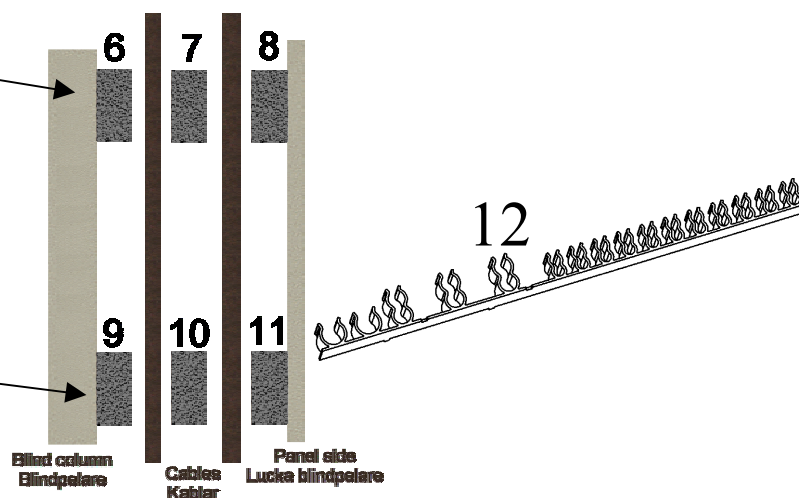
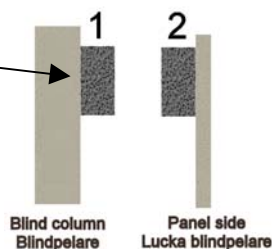
	Part number	Description
	WM003113-0046	White aluminium, RAL 9006, gloss 70
	WM003113-0048	BP green PL
	WM003113-0050	Traffic red, RAL 3020, gloss 70
		Front panel, side B, 4 modules 90 deg
	WM003113-0008	Wayne std, pure white, RAL 9010, gloss 70
	WM003113-0016	SAAB steel grey original
	WM003113-0052	BFT
	WM003113-0056	Gentian blue, RAL 5010, gloss 70
		Front panel, side B, 4 modules 96 deg
	WM003113-0006	Wayne std, pure white, RAL 9010, gloss 70
	WM003113-0014	SAAB steel grey original
	WM003113-0018	Mint green, RAL 6029, gloss 70
	WM003113-0024	BFT
	WM003113-0038	Traffic yellow, RAL 1023, gloss 70
	WM003113-0054	Ultramarine blue, RAL 5002, gloss 70
6		Top panel 90 deg
	WM001862	3 modules
	WM001864	4 modules
	WB000251-0001	Pop rivet, CSK head, 4.0 diameter, grip range 2.0 - 4.4, closed end
		Top panel 96 deg
	WM001860	3 modules
	WM001863	4 modules
	WB000251-0001	Pop rivet, CSK head, 4.0 diameter, grip range 2.0 - 4.4, closed end

7.6 Side panel



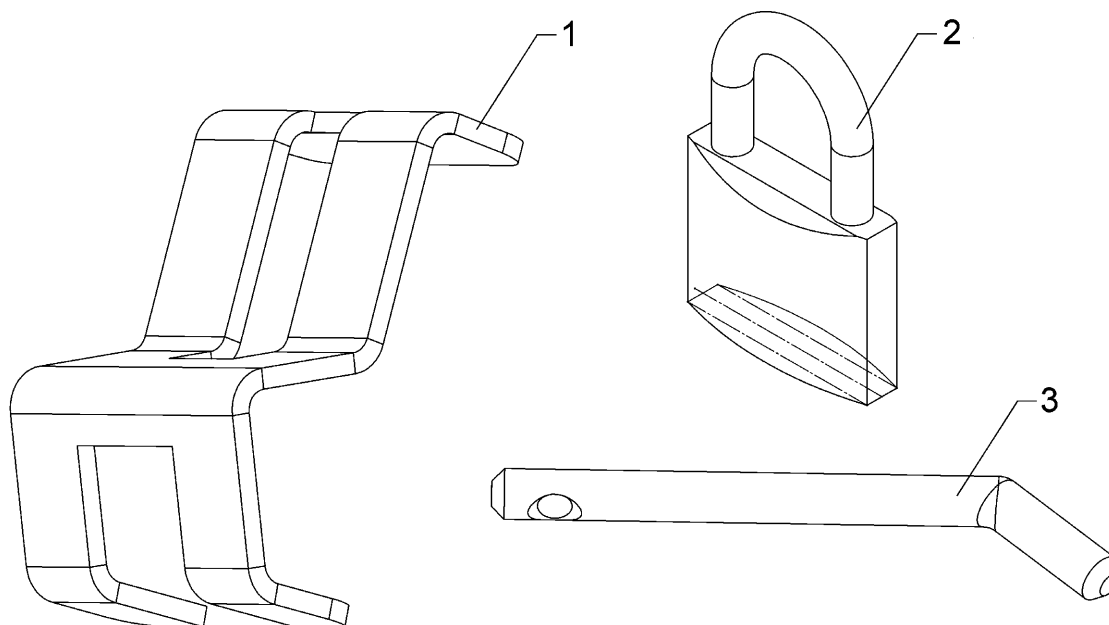
	Part number	Description
		Side panel
	WM005355	B2B
1	WM001380	Std
2	WM005179	Extra barrier

7.7 Sealing barrier



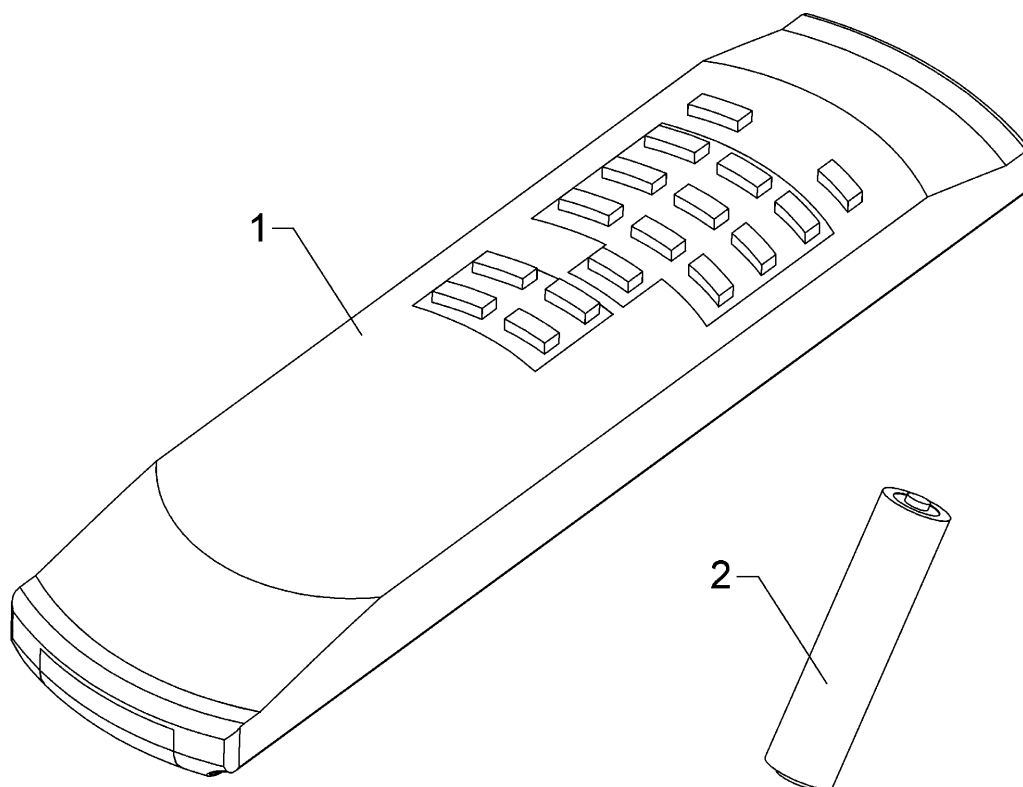
	Part number	Description
1,2	WM002533	Sealing panel hose handling upper
3,4	WM002215	Sealing electronic head
5	WM002245	Sealing electronic head
6,8	WM002537	Sealing panel hose handling middle
7	WM002530	Sealing panel hose handling middle
9,11	WM002538	Sealing panel hose handling lower
10	WM002531	Sealing panel hose handling lower
12	WM001061	Cable hanger

7.8 Padlock



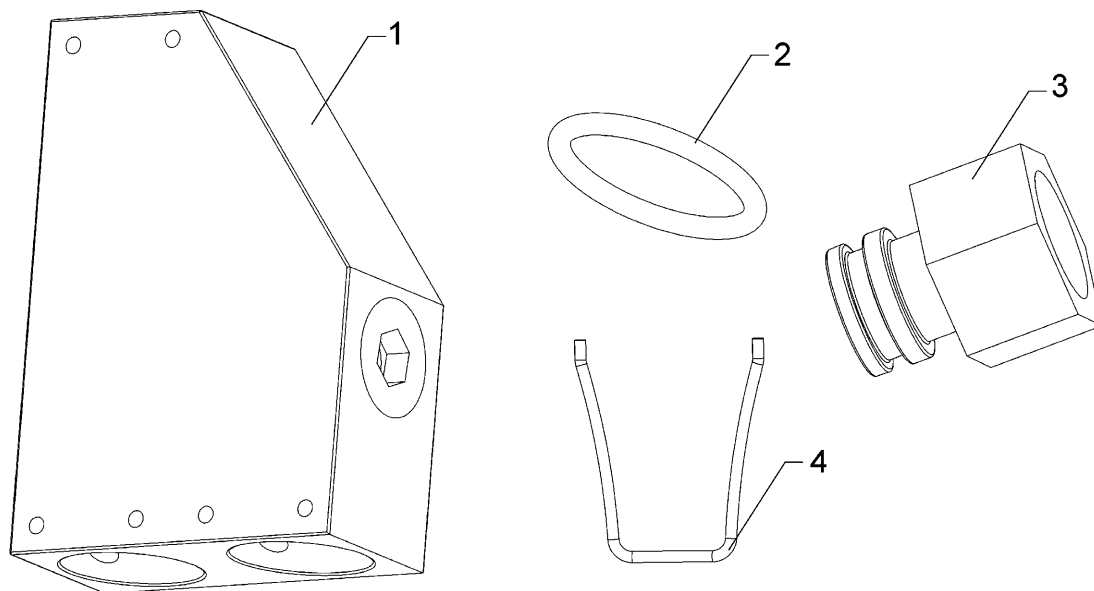
	Part number	Description
1	WM004686	Lock LPG nozzle
2	WM003189	Padlock
3		Pin
	WM002518-0001	1 nozzle
	WM002518-0002	2 nozzles
	WM002518-0003	3 nozzles
	WM002518-0004	4 nozzles
	WM002518-0005	5 nozzles
	WM002518-0006	6 nozzles

7.9 Remote control, with battery



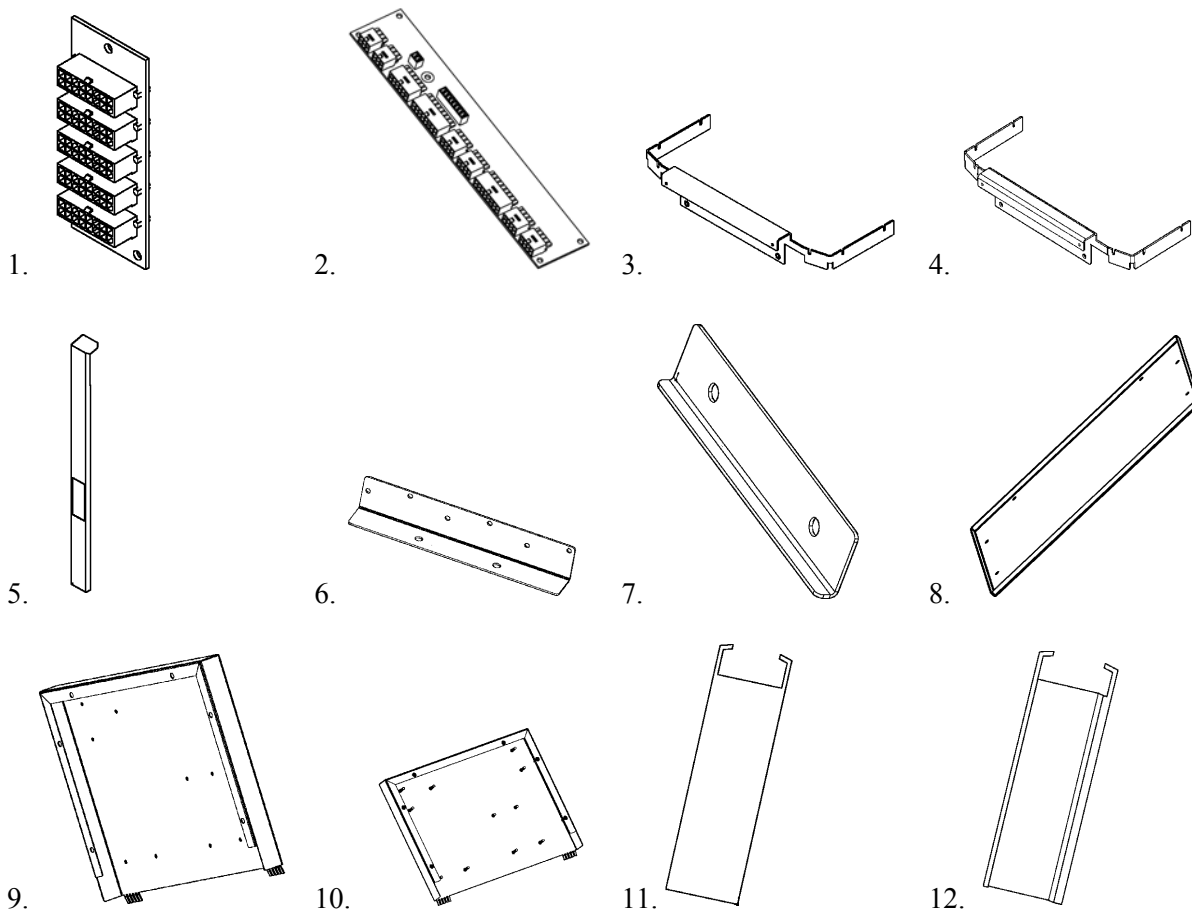
	Part number	Description
1	WM002290	Remote control with battery
2	WM002289	Battery LR03 size AAA 1.5V

7.10 Other to SAT



	Part number	Description
1	WM003045	Coupling female double bump, 2 inlet, 1 outlet
2	WM000334	O-ring T=3.53, ID=23.40
3	WM003364	Coupling, straight double bump, thread 1"
4	WM001925	Pin

8 B2B (back to back)



	Part number	Description
1	WM005101	Connection B2B
2	WM005074	Board B2B
3	WM005334	Support, U-shape B2B
4	WM005333	Support, U-shape B2B
5	see page 104	Cover plate B2B
6	WM006074	Support L-shape B2B
7	WM006081	Support L-shape B2B
8	WM006082	Cover plate, electronic box B2B
9	WM006083	Support box shape, electronic box B2B
10	WM006084	Support box shape, electronic box B2B
11	WM005360	Blind panel B2B
12	WM005362	Blind panel B2B LPG

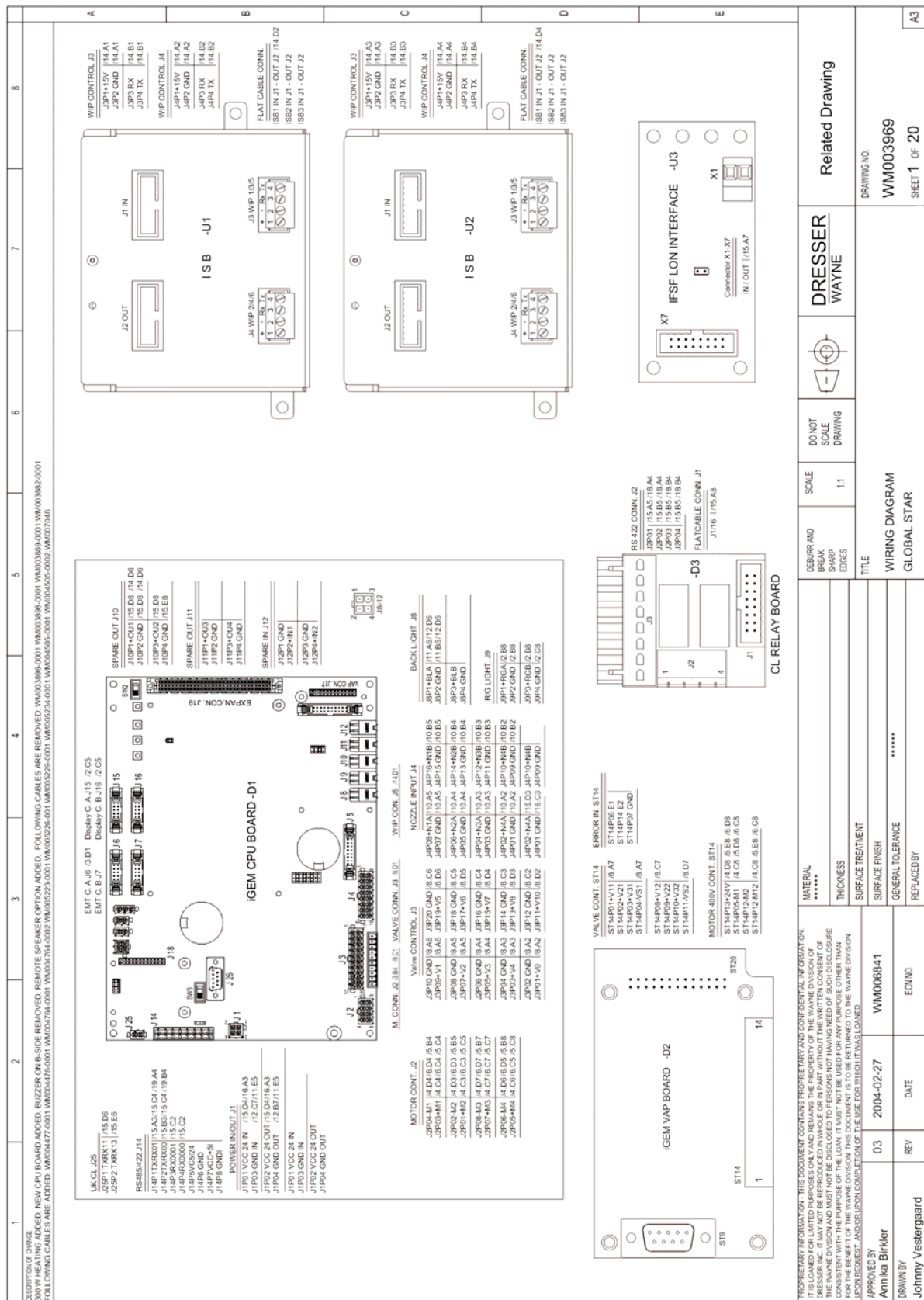
9 Documents

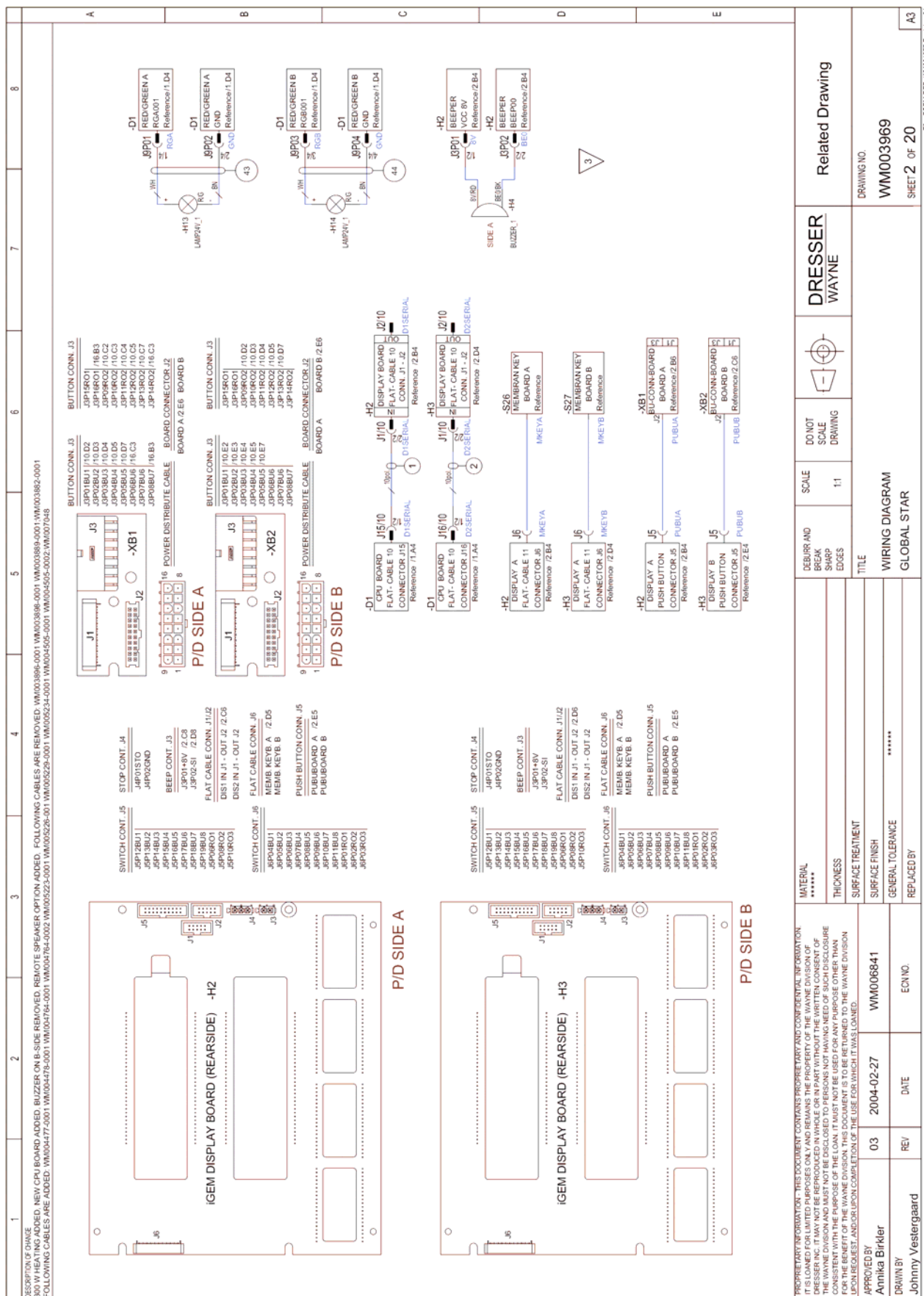


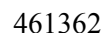
	Part number	Description
		User Manual (with installation drawings)
	WM003963	CZ
	WM002299	DE
	WM003684	ES
	WM003686	FI
	WM005313	FR
	WM002295	GB (English)
	WM003662	IT
	WM003687	NL
	WM003339	PL
	WM003336	RO
	WM002297	RU
	WM002296	SE
	WM004068	SI
	WM002298	UA
	WM005789	YU
		User Manual LPG (with installation drawings)
	WM004986	DE
	WM005778	FR
	WM004756	GB (English)
	WM005515	NL
	WM004985	SE
	WM005038	UA
	461312	Painting Instructions
	461386	Painting Instructions B2B

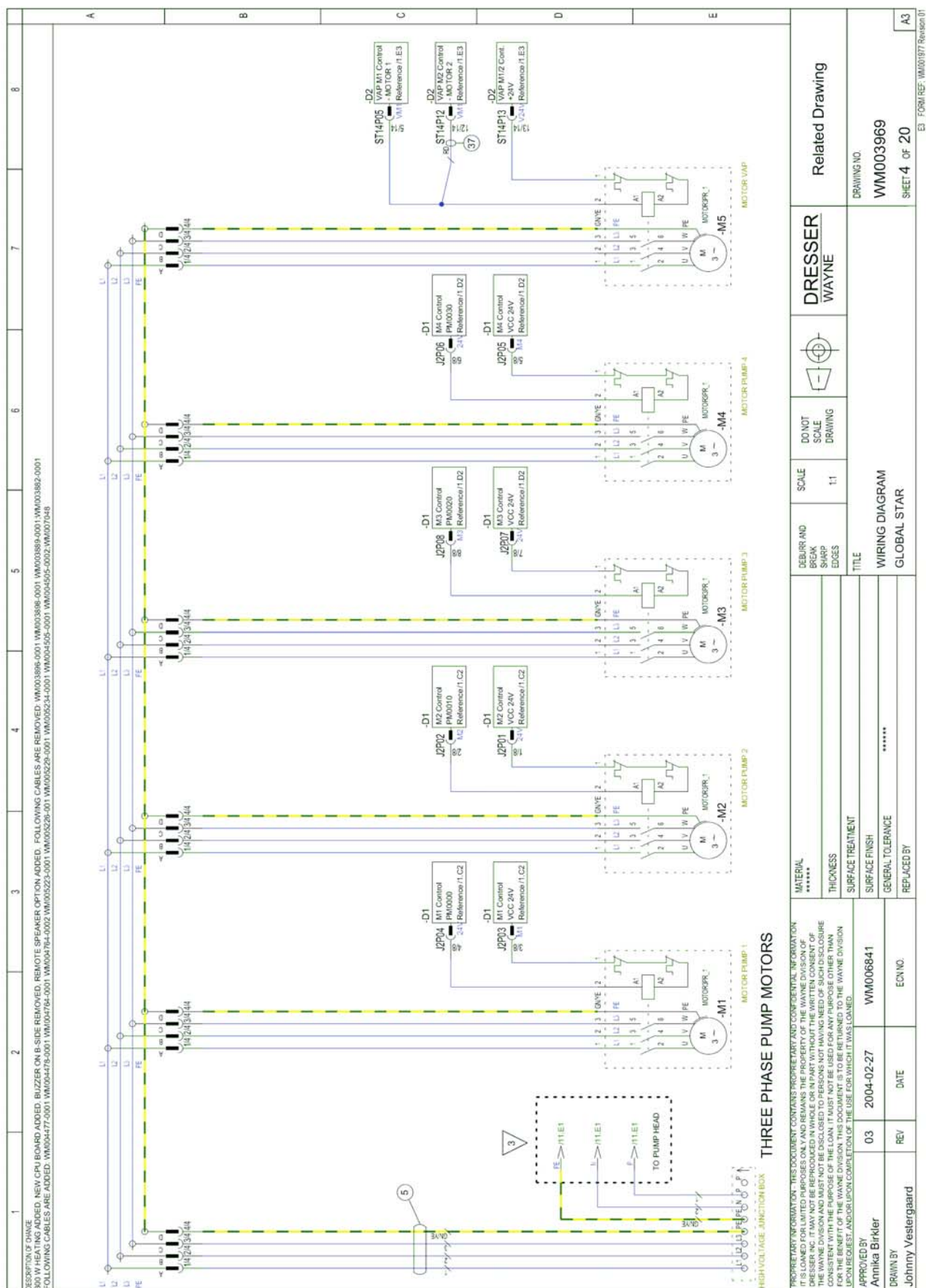
	Part number	Description
	461385	Painting Instructions LPG
	461362	Spare Parts (this manual)
	461251	Spare part list SAT II
	461383	A/L test and Mantinance, Vapour recovery pump (8014-5.0) from ASF Thomas
	WM007588	Shortend Hose Reach

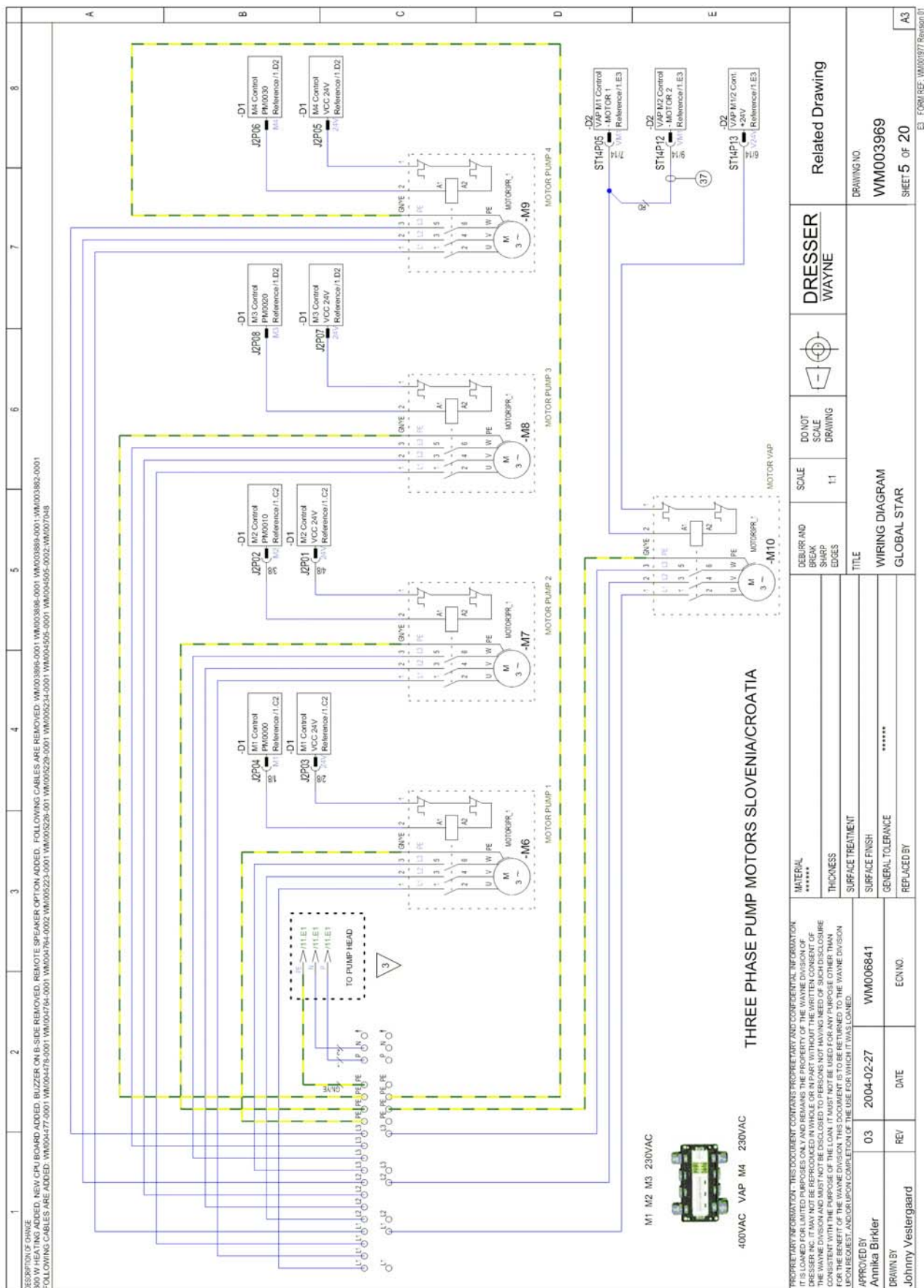
10 Wiring diagram (WM003969) (with cable numbers)

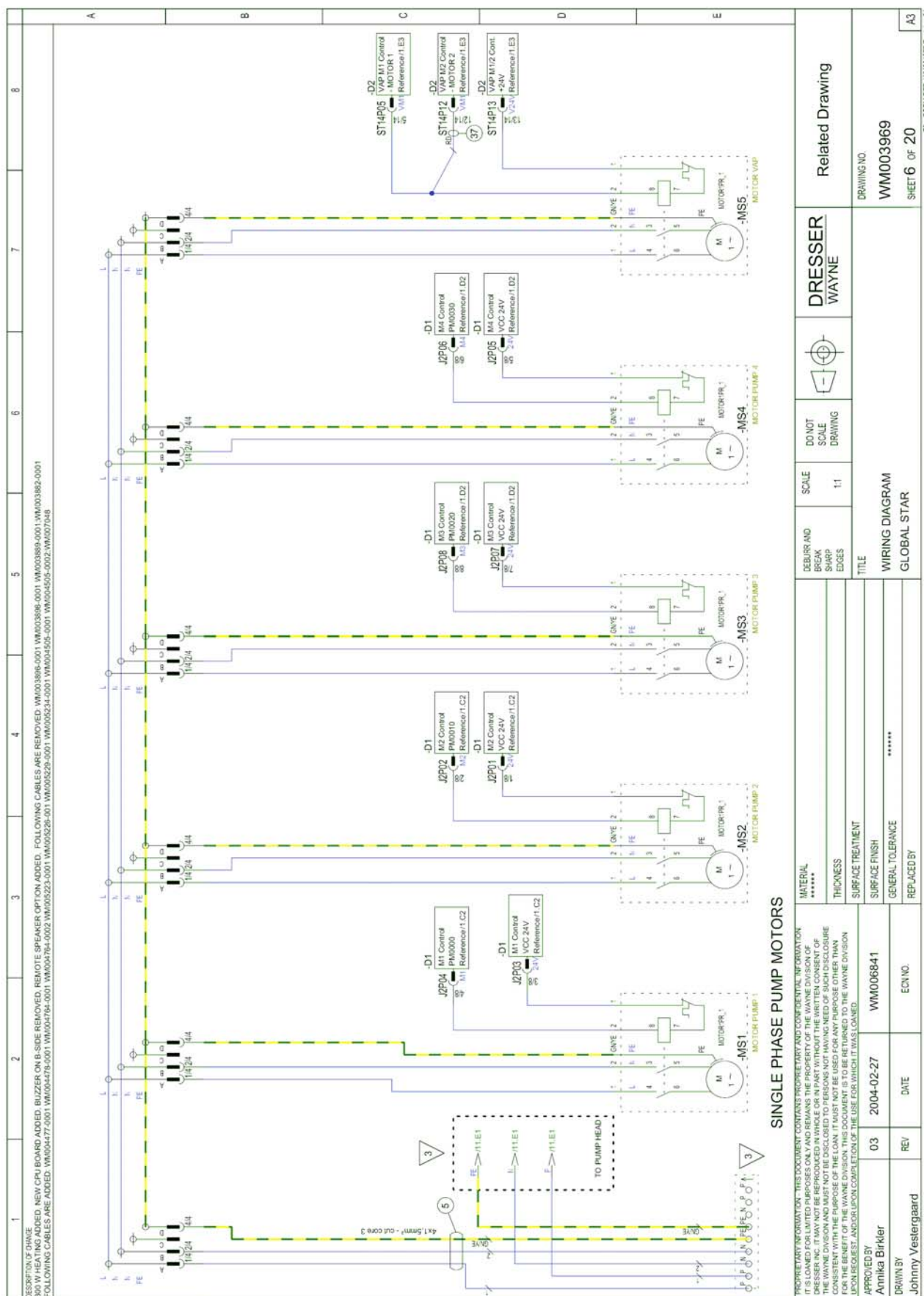






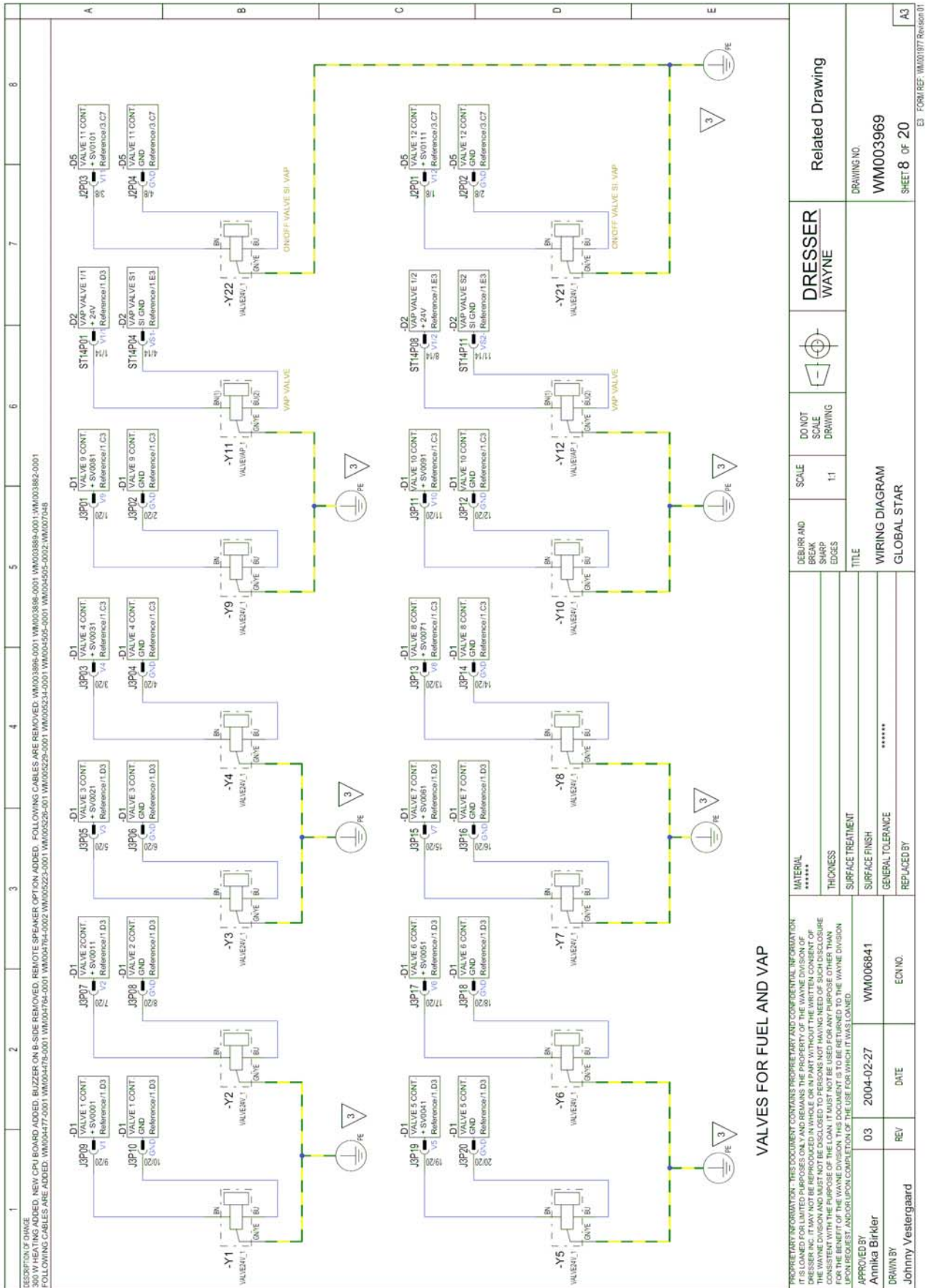


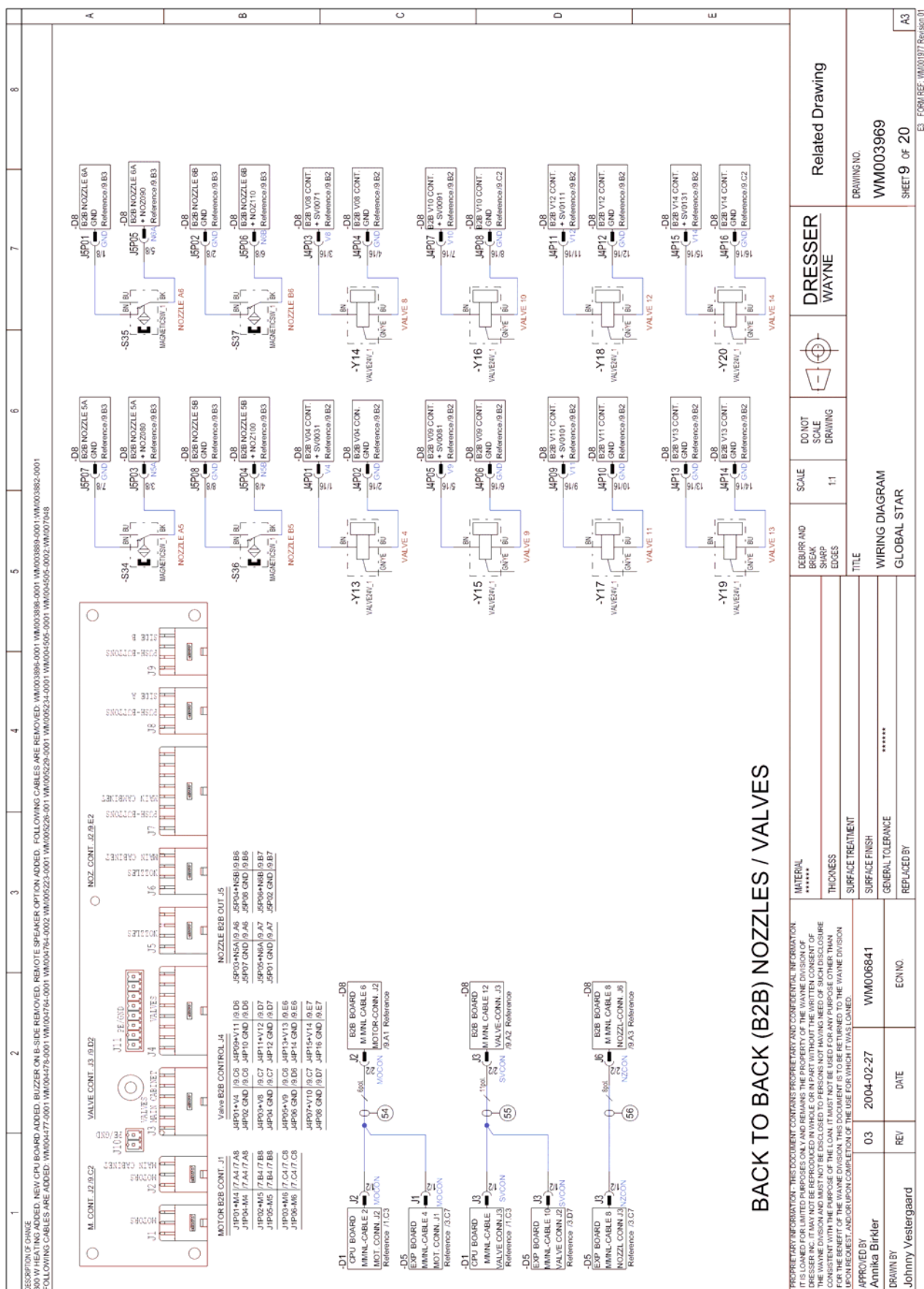


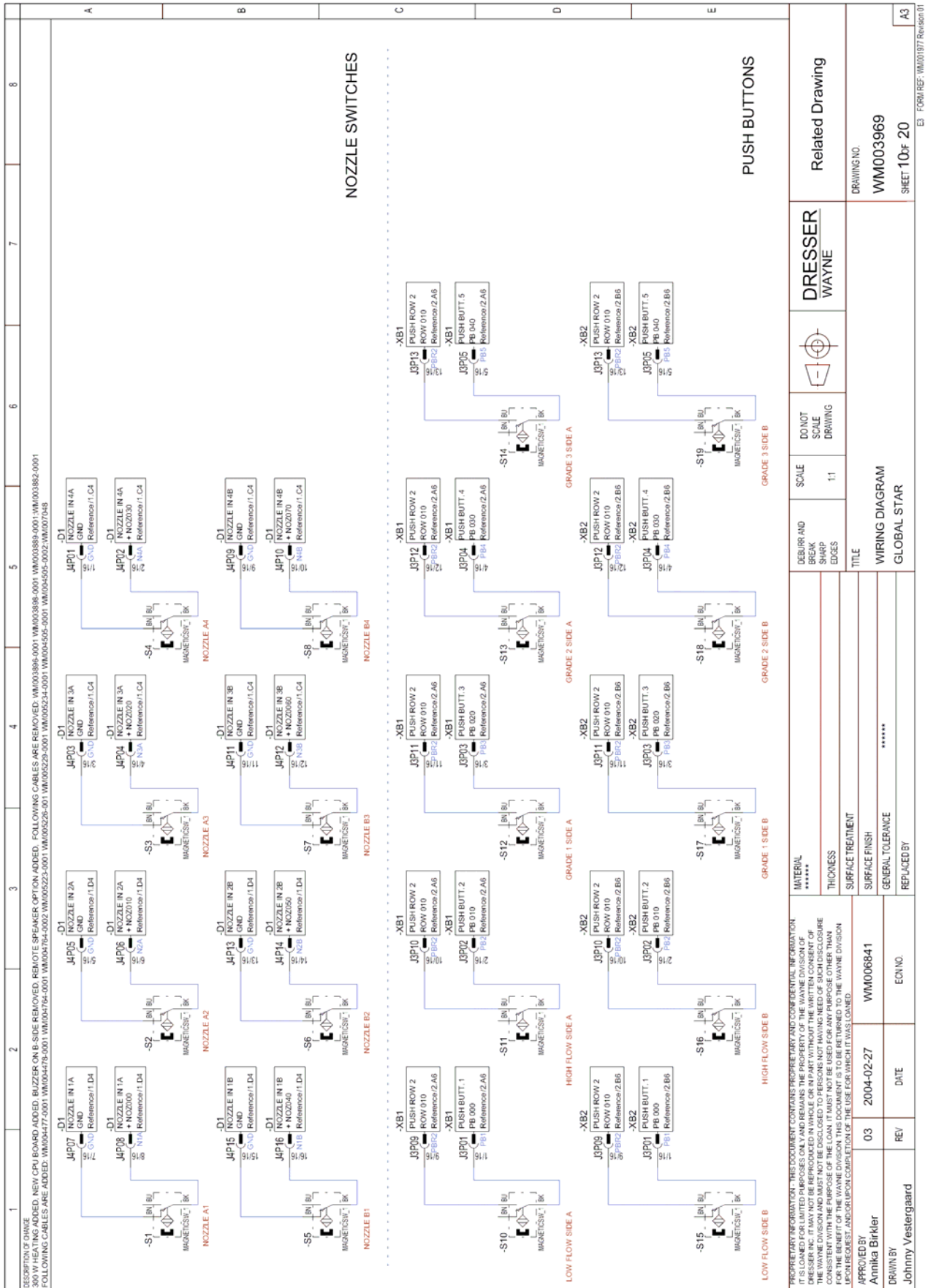




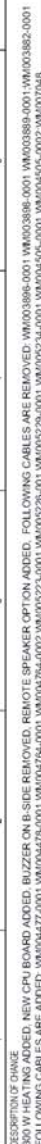
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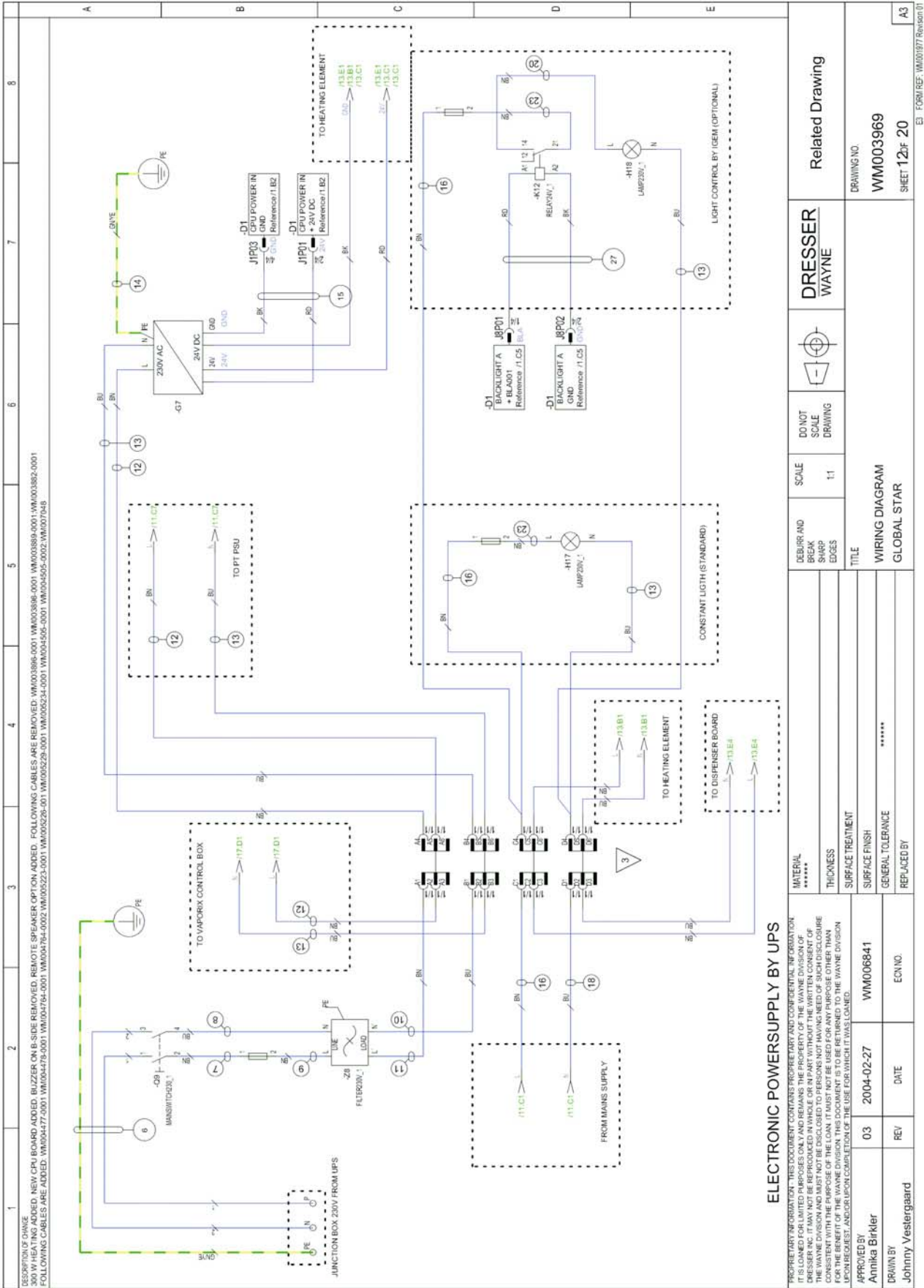


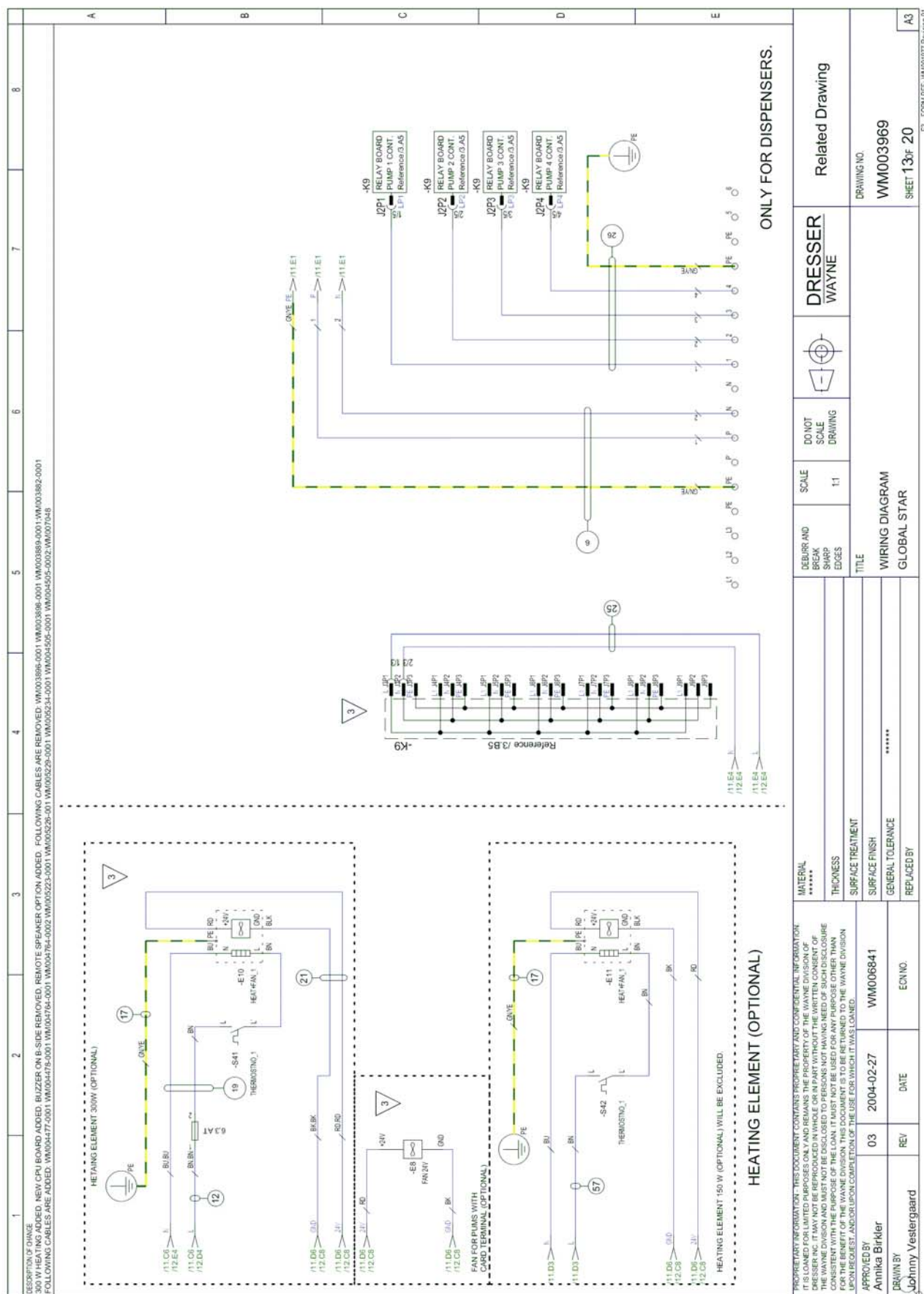


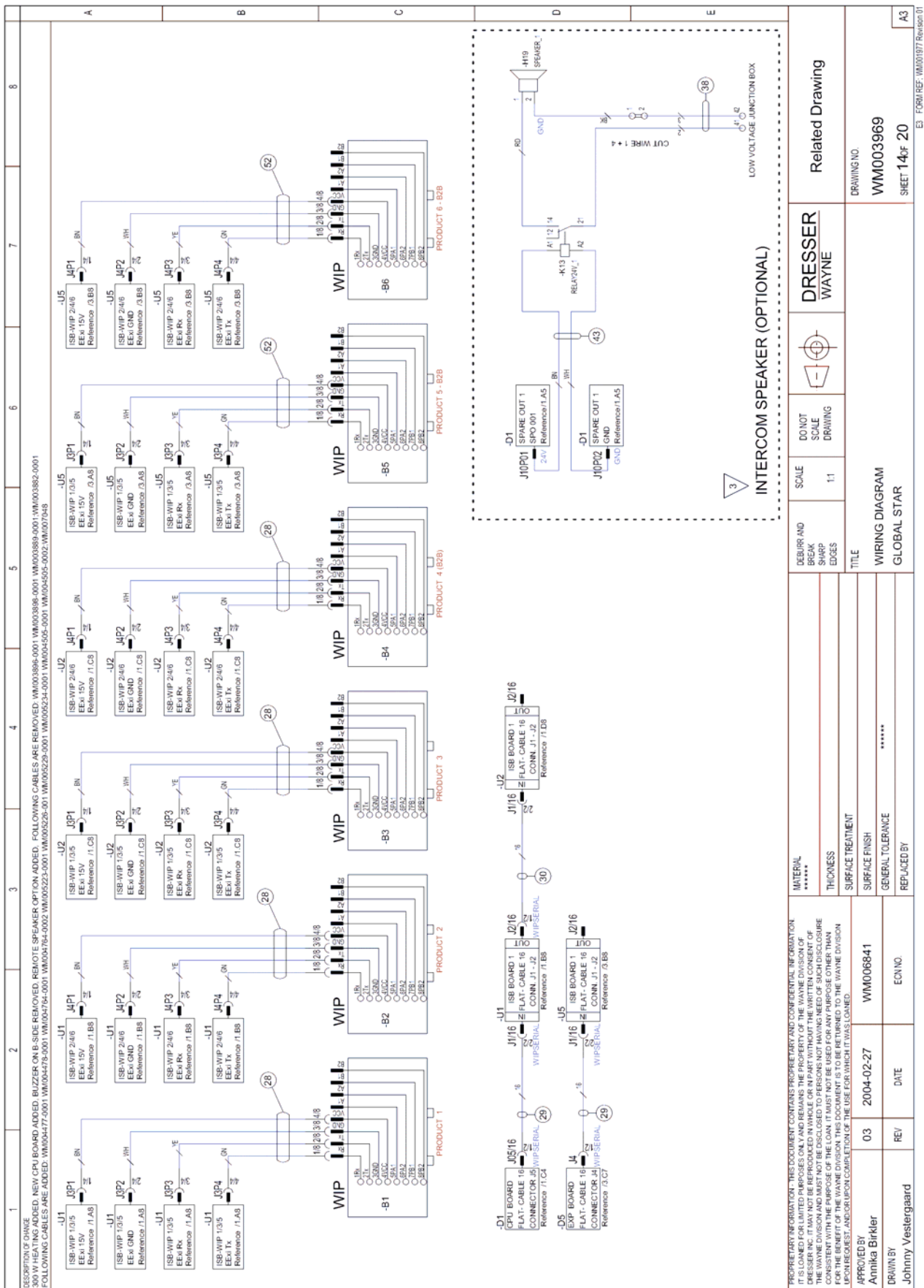


APPROVED BY Annika Brinkler		03	2004-02-27	REV	DATE	ECO NO.	*****	TITLE WIRING DIAGRAM GLOBAL STAR	DRESSER WAYNE	Related Drawing
DRAWN BY Johnny Vestergaard										
MATERIAL *****		WM006841		EON NO.		*****		DRAWING NO. WM003969		
THICKNESS		SURFACE TREATMENT		SURFACE FINISH		GENERAL TOLERANCE		SHEET 10 of 20		
DO NOT SCALE DRAWING		SCALE 1:1		DEBUR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		Revision 01		

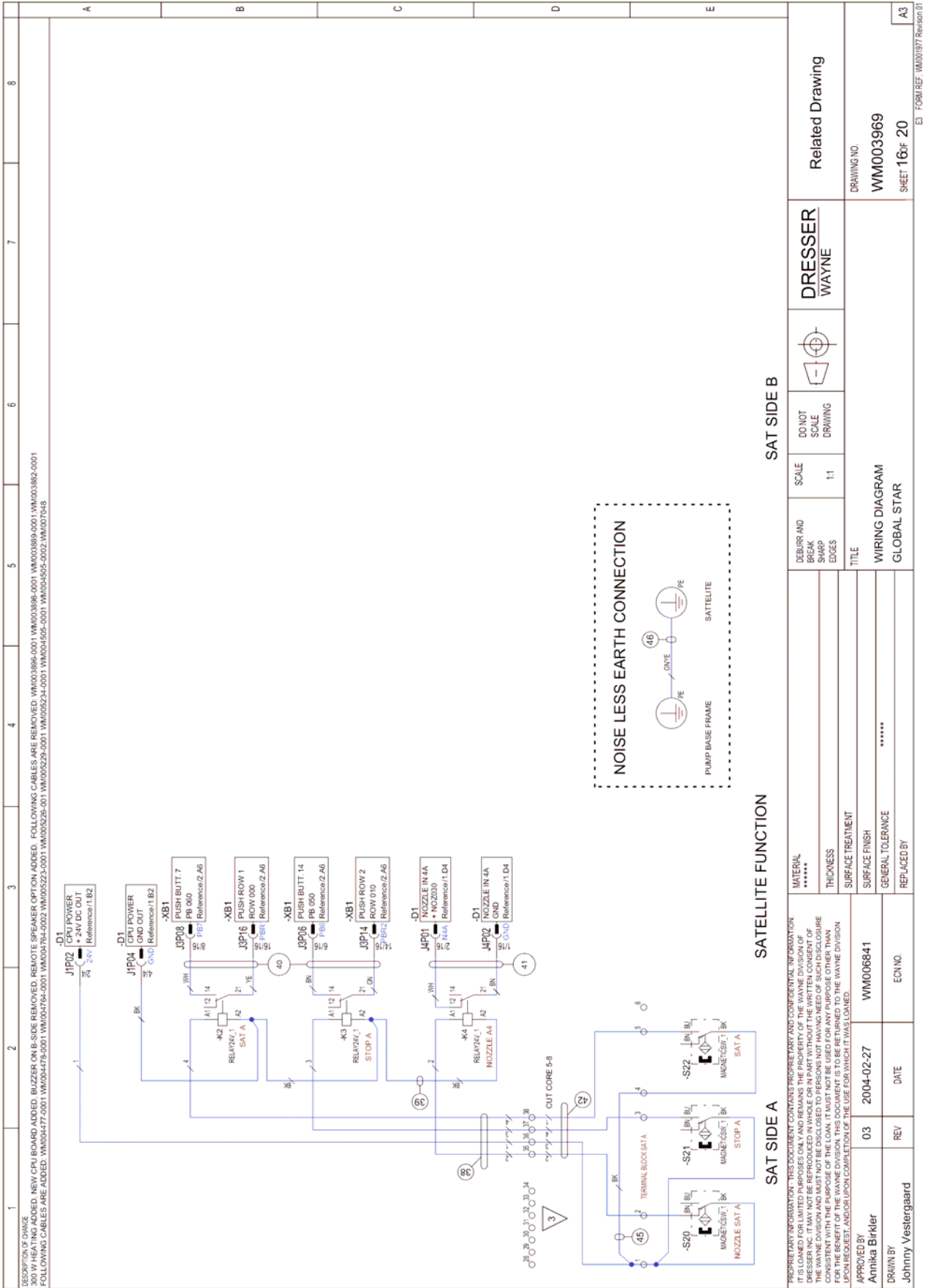


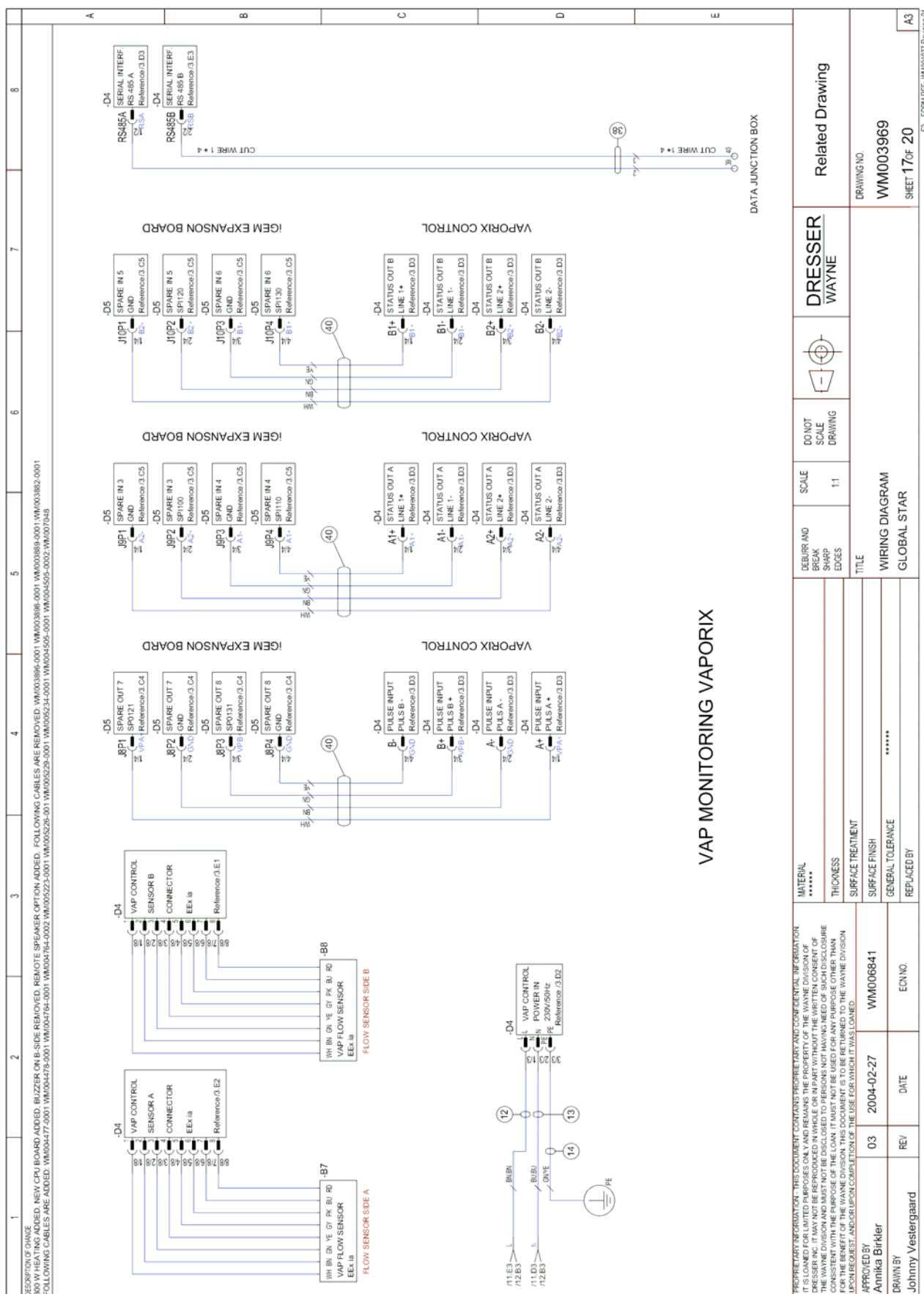




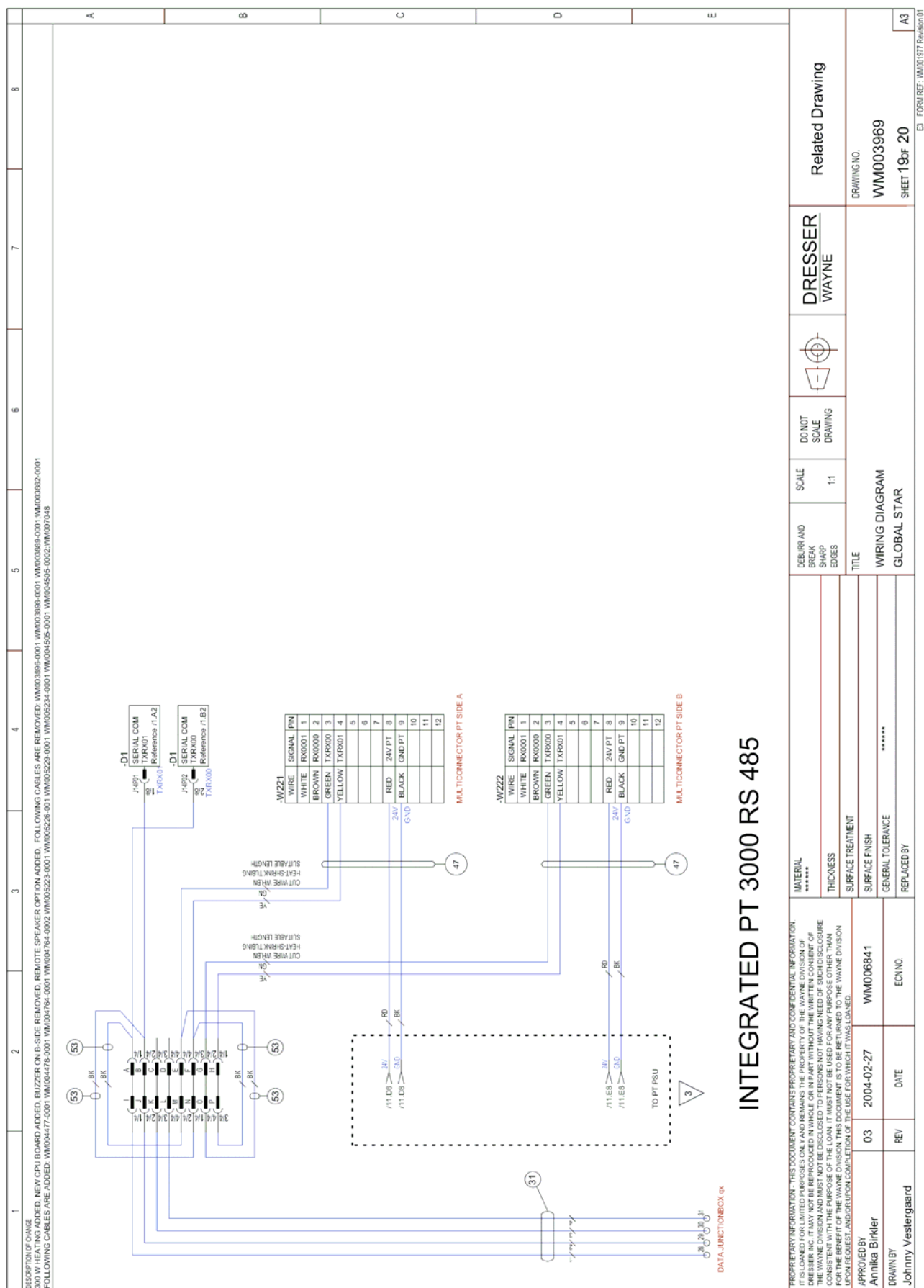












CROSS REFERENCE TABLE



11 Notes

[illegible]

12 Market & Service

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(Help desk)

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Wayne Dresser develops, manufactures and markets complete operative systems for fuel handling at service stations. Everything from development and design to efficient production and assembly of components is pursued under one roof.

Wayne Dresser entwickelt, produziert und vermarktet komplette funktionierende Systeme für die Abgabe von Kraftstoffen an Tankstellen. Von der Entwicklung über das Design bis zur Herstellung und Installation liefern wir alles aus einer Hand.

Wayne Dresser utvecklar, tillverkar och marknadsför kompletta operativa system för drivmedelshandling på servicestationer. Under ett och samma tak ryms allt från utveckling och konstruktion till rationell tillverkning och sammansättning av komponenter.

Wayne Dresser разрабатывает, производит и продает совершенные оперативные системы для торговли топливом на станциях обслуживания. Все начиная от разработок и конструкции до эффективного производства и сборки компонентов происходит в пределах одного предприятия.

The operations of Wayne Dresser comprise four interacting parts:

- Equipment such as petrol pumps, payment terminals, point-of-sale terminals and service station operative systems.
- Software for recording and for internal communication at the station, as well as between the station and the oil company, banks and credit institutes.
- Project design with overall responsibility to the customer.
- Field service, technical support and supply of spare parts.

Wayne Dresser makes it easier for the motorist to fill up and make his motoring purchases, while effectively meeting the needs of the service station owner for operating supervision and for conforming to the demands of the authorities on measuring accuracy, minimising pollution and ensuring safety.

Die Niederlassungen von Wayne Dresser umfassen vier ineinander greifende Bereiche:

- Ausrüstungen wie Zapfsäulen, Zahlterminals, Kassenterminals und Tankstellensysteme
- Software für Registrierung und Kommunikation auf der Tankstelle u. zwischen Station und Mineralölfirma sowie Banken und Kreditinstituten.
- Projektgestaltung mit umfassender Verantwortlichkeit dem Kunden gegenüber.
- Service, technische Unterstützung und Lieferung von Ersatzteilen.

Wayne Dresser erleichtert dem Fahrer die Betankung und damit verbundene Einkäufe, unterstützt gleichzeitig den Stationär bei der übersichtlichen Führung seines Betriebes unter Berücksichtigung der behördlichen Vorschriften hinsichtlich Messgenauigkeit, Umwelt- und Sicherheitsauflagen.

Verksamheten omfattar fyra samverkande delar:

- Utrustning som bensinpumpar, betalterminaler, butiksterminaler och stationsdatorer.
- Programvara för registrering och kommunikation internt på stationen samt mellan stationen och oljebolaget, banker och kreditinstitut.
- Projektering med totalansvar gentemot uppdragsgivaren.
- Service på fältet, teknisk support och reservdelsförsörjning.

Wayne Dresser gör det lättare för bilisten att tanka och handla. Samtidigt tillgodoses stationsägarens krav på en effektiv driftskontroll och myndighetskraven på mät-noggrannhet, miljövänlighet och driftssäkerhet.

Действия Wayne Dresser включают четыре взаимосвязанных направления:

- Оборудование, например, топливораздаточные колонки, платежные терминалы, терминалы точек продажи и системы управления АЗС.
- Программное обеспечение для регистрации и для внутренней связи на АЗС, а также между АЗС и нефтяной компанией, банками и институтами кредитов.
- Проектирование с полной ответственностью к клиенту.
- Обслуживание на местах, техническая поддержка и поставка запасных частей.

Wayne Dresser упрощает процесс заправки и приобретения покупок при эффективном согласовании потребностей владельца АЗС для оперативного управления и для соблюдения требований государственных и метрологических служб, а также уменьшения загрязнения окружающей среды и обеспечения безопасности.