

Global Star



Spare Parts

LHR, HH, LPG, and SCR
phase 2

461362 MMe 2006-03-02 V3.9





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 изготавителем бензоколонки.

Caution

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

Varng

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.

Varng

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

Warnung

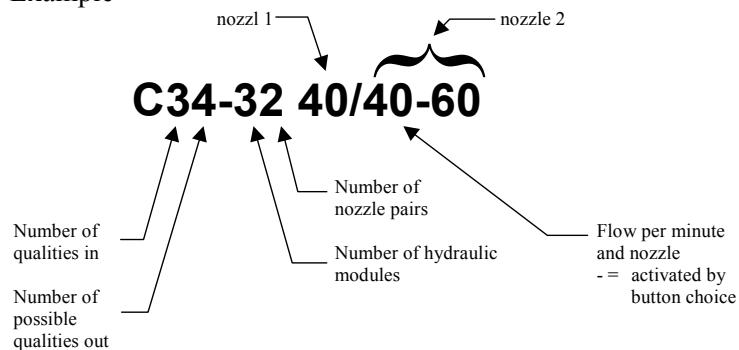
Lassen Sie nie eine undichte Zapfsäule laufen! Seien Sie umweltbewusst und denken Sie an die Rutschgefahr; beseitigen Sie austretenden Kraftstoff umgehend.

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.

1 What does the denomination of the pump indicate

Example



C33-33 40-70/40/40 B2B 22-32 130/40

Main pump

B2B module

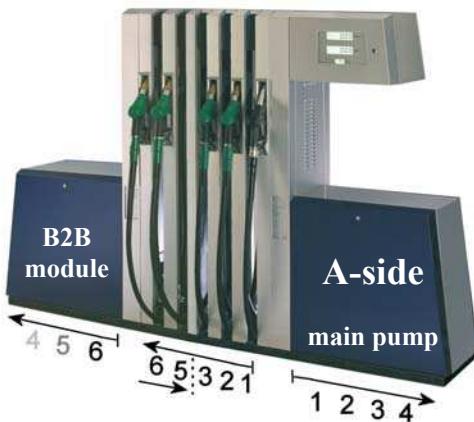
40 l/min, nozzle position 1, 2, 3, 4, 5 or 6
 40-70 or 70 or 90 or 130 l/min, nozzle position 1 or 6
 40-60 or 60 l/min, nozzle position 2, 3, 4 or 5
 Blend, nozzle position 1 or 6.
 Maximum 2 nozzles on B2B module
 Maximum 3 motors on B2B module
 Maximum 6 motors totally



Global Star HH



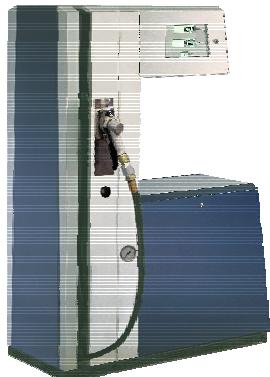
Global Star LHR



Global Star LHR B2B (back to back)



Global Star SCR
(ADBlue, UREA)



Global Star LPG
Lane oriented



Global Star LPG
Island oriented

1.1 Serial number

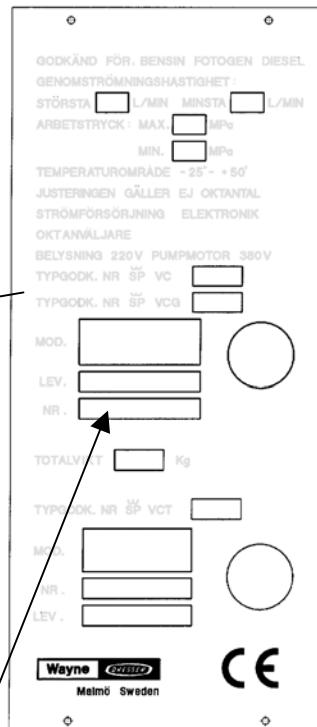


Figure 1 Marking sign

Example

2-94555-001-A = phase - TO number - No. - pump side

TO number = Manufacturing order number

No. = unique number within the manufacturing order number

old

Serial number B1000 → (B = phase 2 + No.)

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| Istruction, Vapour Recovery, Global Star | see document WM010714 |
| Painting instructions Global Star LHR phase 2 | see document 461399 |
| Painting instructions Global Star HH phase 2 | see document 461401 |
| Painting instructions Global Star B2B phase 2 | see document 461386 |
| Painting instructions Global Star LPG phase 2 | see document 461387 |
| Manuals, Sparpart lists and Drawings | see Malmö ftp-server |

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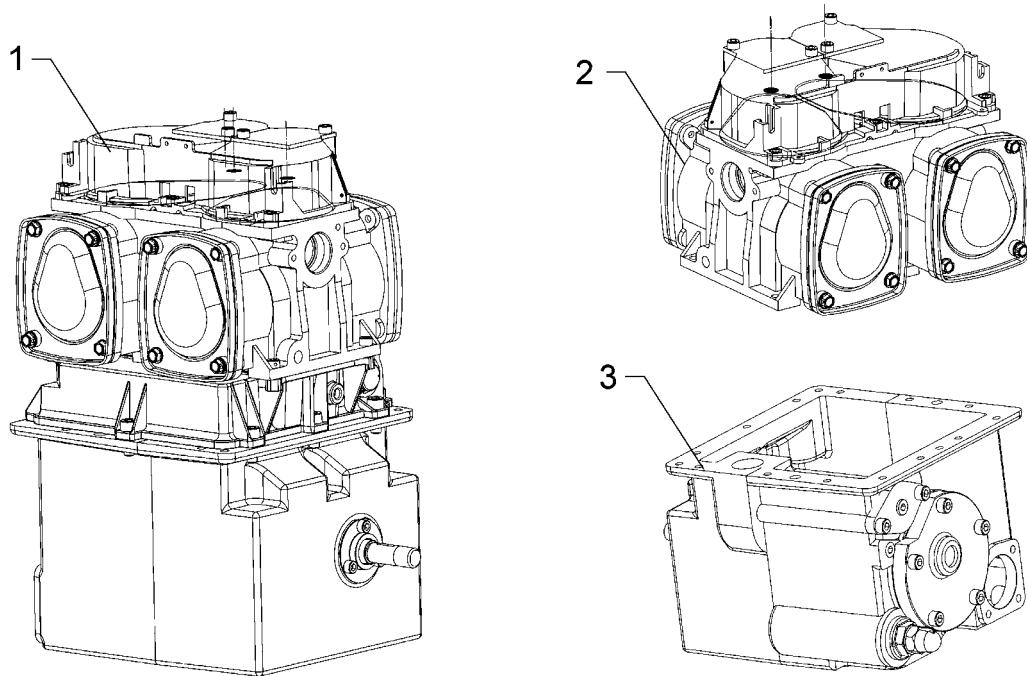
2.2 Index LPG

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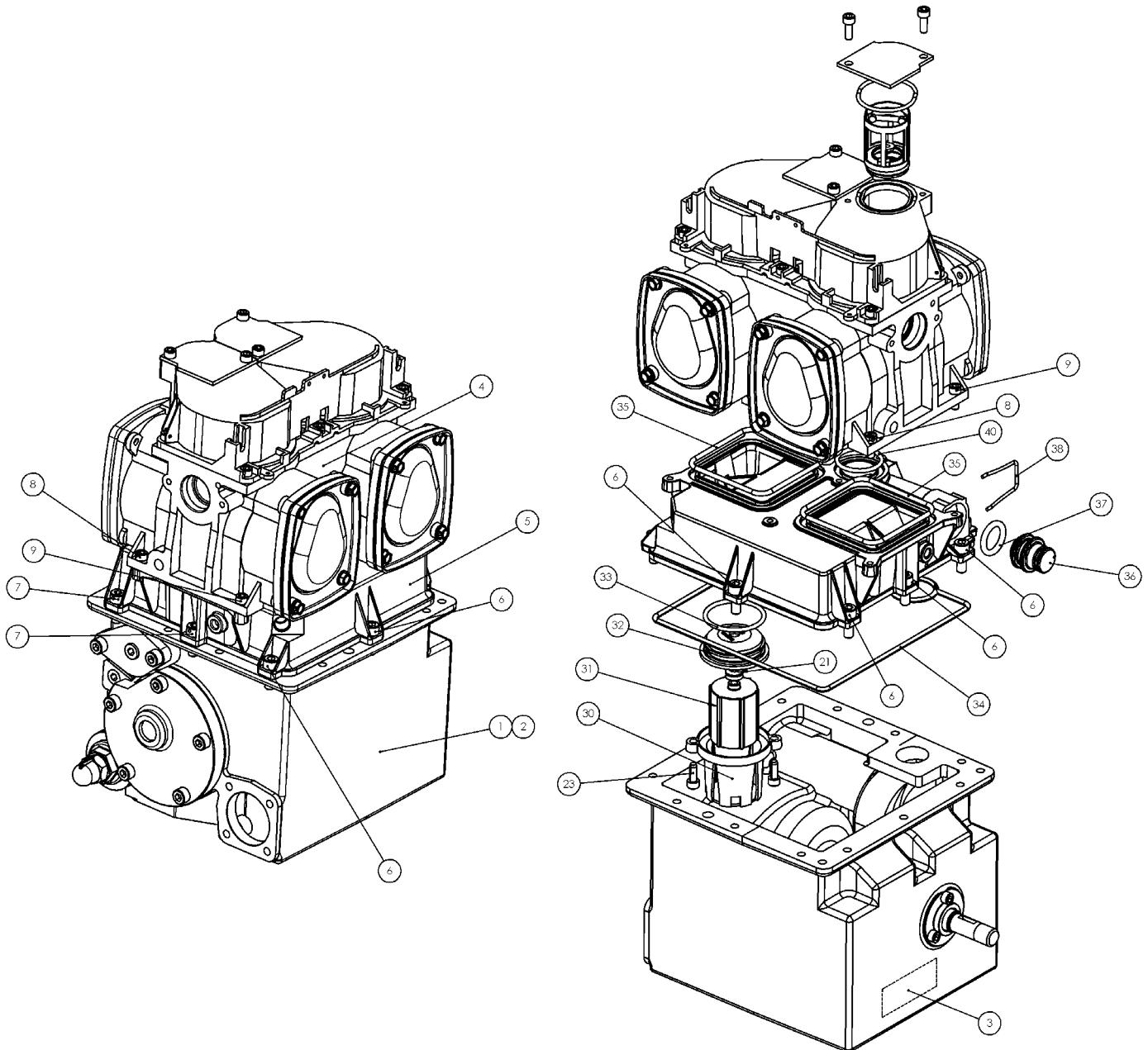
3 Hydraulic

3.1 Hydraulic



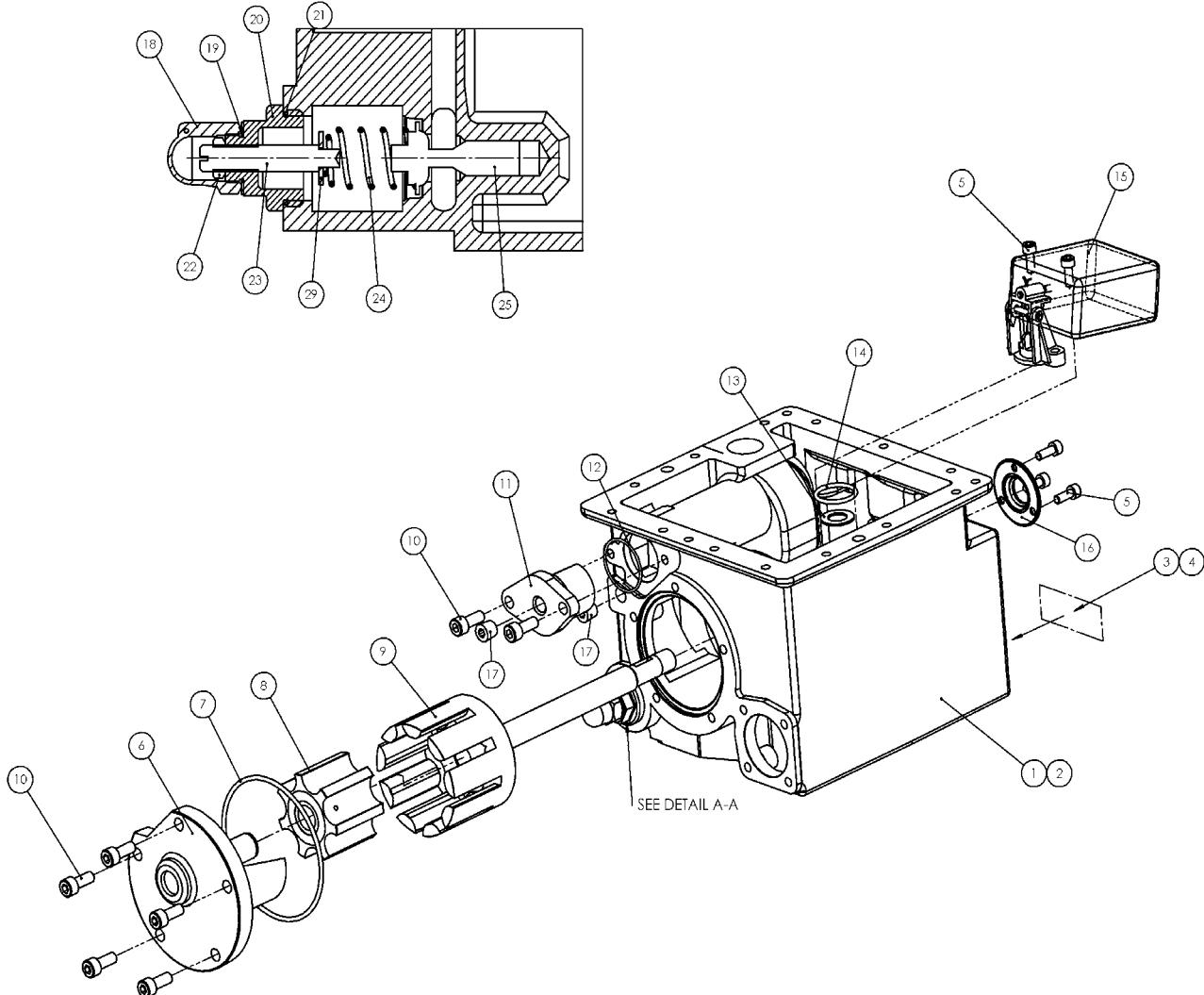
| | Part number | Description |
|---|--------------------|---|
| 1 | | Pulser see page 38 Combined unit Without single bump connection for the air venting tube (see also page 58) (old) |
| | WM002404-0007 | Compact pump |
| | WM002404-0003 | Pump and meter diesel 40 lpm |
| U | WM002404-0004 | Pump and 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 Combined unit With single bump connection for the air venting tube (see also page 58) |
| | WM009289-0007 | Compact pump |
| | WM009289-0003 | Pump and meter diesel 40 lpm |
| U | WM009289-0004 | Pump and meter diesel 70 lpm |
| | WM009289-0005 | Pump and meter diesel single sided side A 40 lpm |
| | WM009289-0006 | Pump and meter diesel single sided side A 70 lpm |
| U | WM009289-0001 | Pump and meter gasoline 40 lpm |
| | WM009289-0002 | 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 |

3.1.1 Combined unit - pump and meter

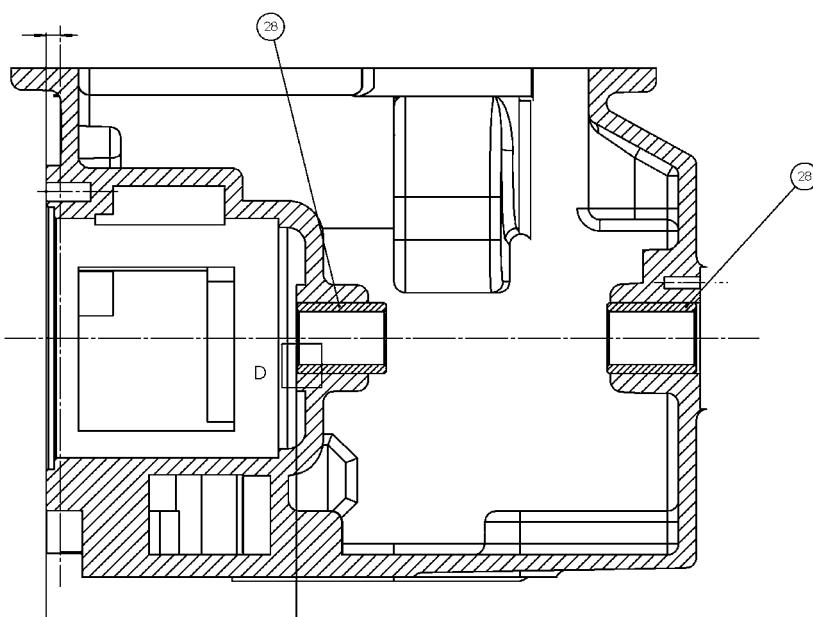
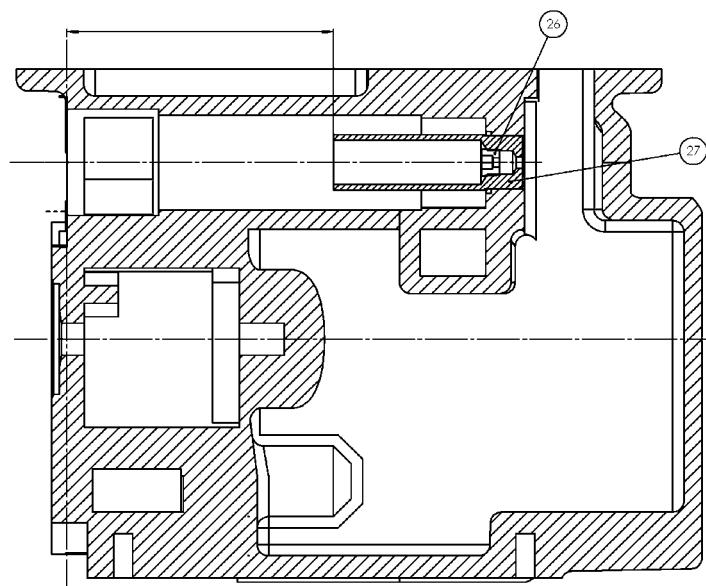


| | Part number | Description |
|----|--------------------|---|
| 1 | WM000692 | Housing, machined, pump |
| 2 | | --- |
| 3 | | Identification label |
| | WM004739-0007 | Combined unit, compact pump |
| | WM004739-0002 | Combined unit, pump & meter gasoline s a 40 lpm |
| | WM004739-0003 | Combined 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 9 and page 15 |
| 5 | | Cover, machined (see also page 58) |
| | WM000635-0001 | Without single bump connection for the air venting tube (old) |
| | WM009207-0001 | With single bump connection for the air venting tube |
| 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 (see also pin for tubes page 51) |
| 40 | WM000612 | O-ring T=3.5, ID=35 |

3.1.2 Pump internal gear

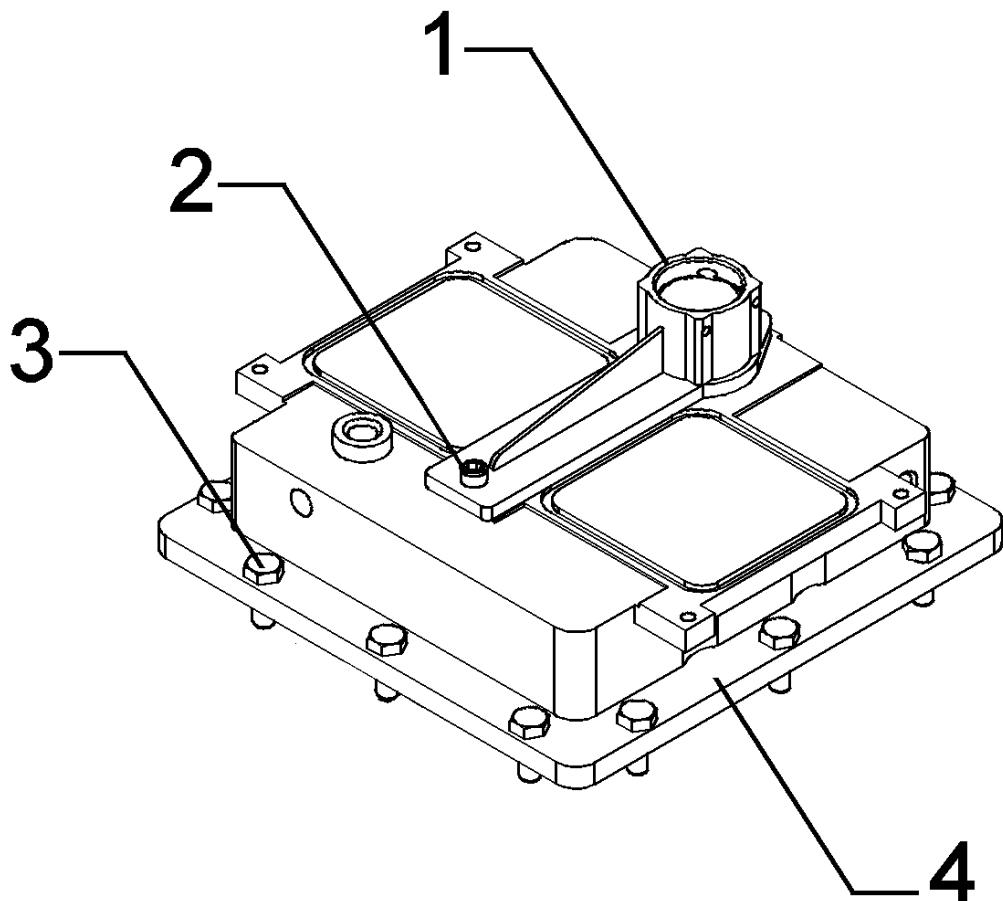


| | Part number | Description |
|----|--------------------|--|
| 1 | WM000692 | Housing, machined, pump see page 11 |
| 3 | WM004736 | Sealant Loctite 603 |
| 4 | WB000211-0001 | Screw, hexagon socket cap, M6 x 16 |
| 5 | WM001387 | Flat head and shaft |
| 6 | WM001956 | O-ring T=3.18, ID=104.8 |
| 7 | WM001420 | Idler |
| 8 | WM001426 | Rotor |
| 9 | WB000212-0001 | Screw, hexagon socket caP, M8 x 20 |
| 10 | WM000700 | Cover, machined end cap |
| 11 | WM001957 | O-ring T=1.78, ID=37.82 |
| 12 | WM001952 | Washer, plain ID=15.2, OD=26, T=1.4 |
| 13 | WM001953 | O-ring T=3, ID=28 |
| 14 | WM001430 | Float |
| 15 | WM001934 | Seal |
| 16 | WM001083 | Plug 1/4" |
| 17 | WM001088 | Seal cap |
| 18 | WM001089 | Gasket ID=17, OD=26, T=0.8 |
| 19 | WM001434 | Cap |
| 20 | WM001955 | O-ring T=1.78, ID=29.8 |
| 21 | WM001423 | Nut hexagon |
| 22 | WM001421 | Screw adjusting |
| 23 | WM001382 | Spring D=18.5, L=58.7 |
| 24 | WM001383 | Damper |
| 25 | 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 70) |
| 27 | WM001078 | Air separator |
| 28 | WM001424 | Bushing L=31.8mm |

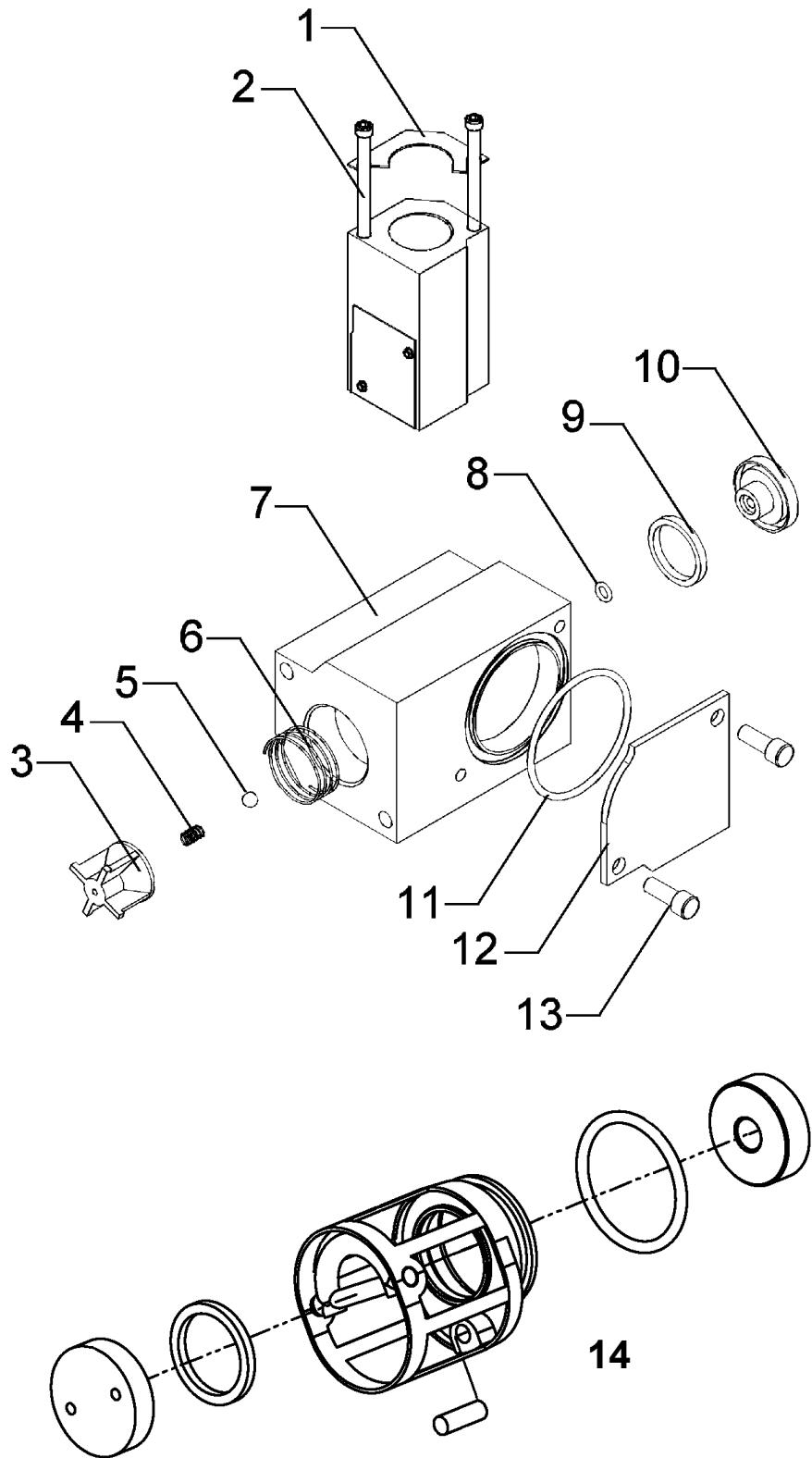
3.1.3 Pump cover without meter



See also page 10 and page 16.

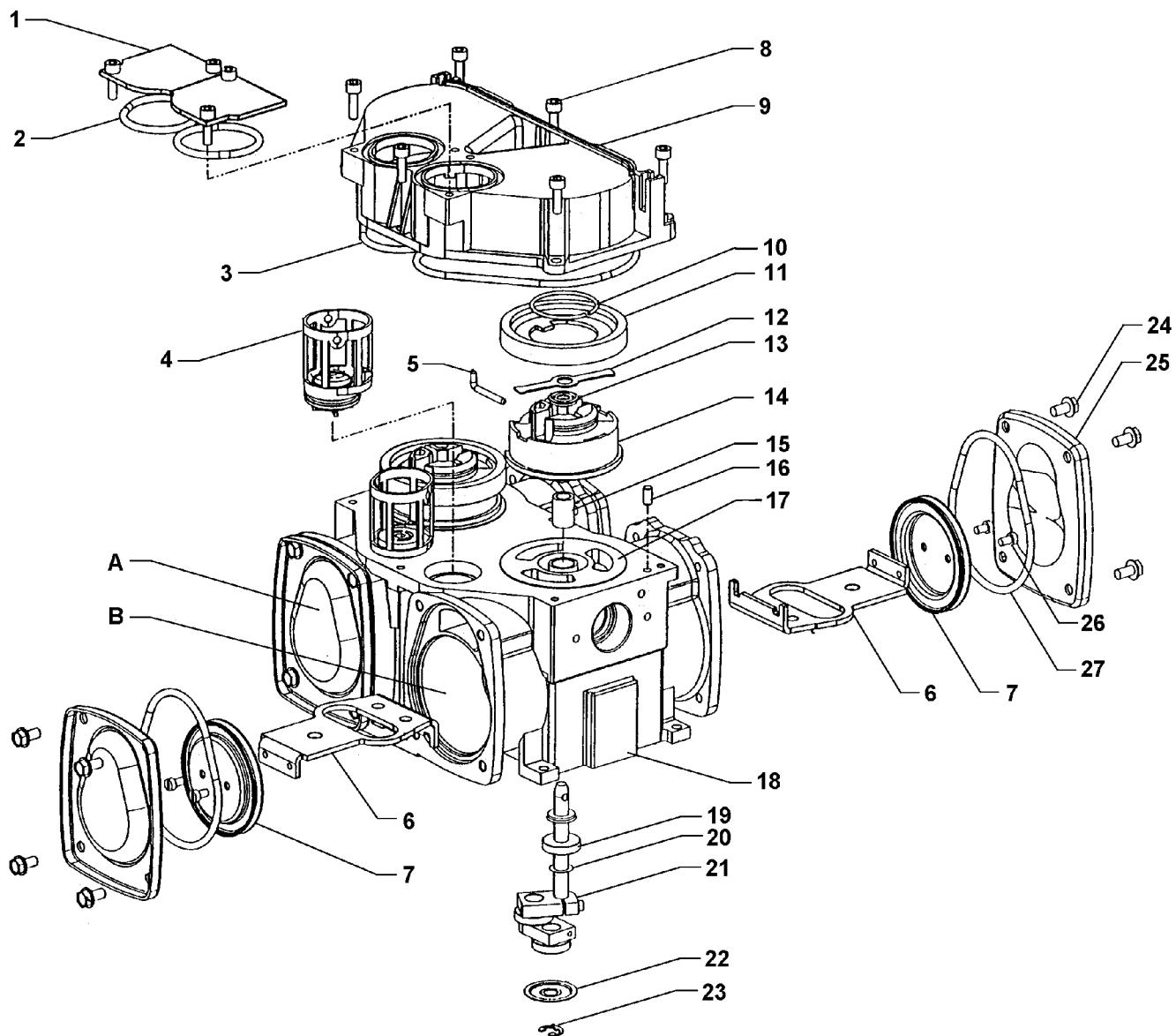
| | Part number | Description |
|---|--------------------|---------------------------|
| 1 | WM004730 | Outlet (see also page 16) |
| | WM000612 | O-ring |
| 2 | WB000211-0001 | Screw MC6S 6X16 8.8 FZB |
| 3 | 1826 | Screw M6S 8X22 8.8 FZB |
| 4 | 167360 | Pump cover |

3.1.4 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 |
| 14 | 174307 | Cage with plug ass'y |

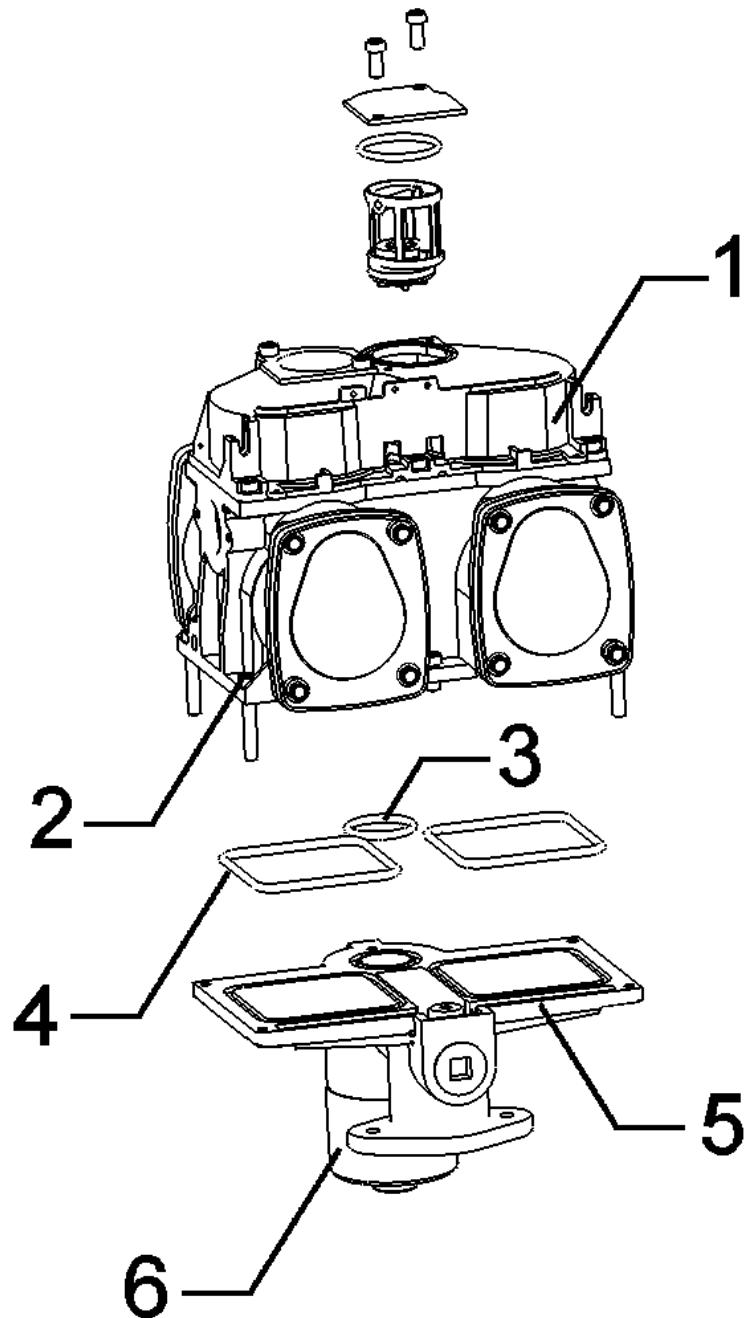
3.1.5 Meter

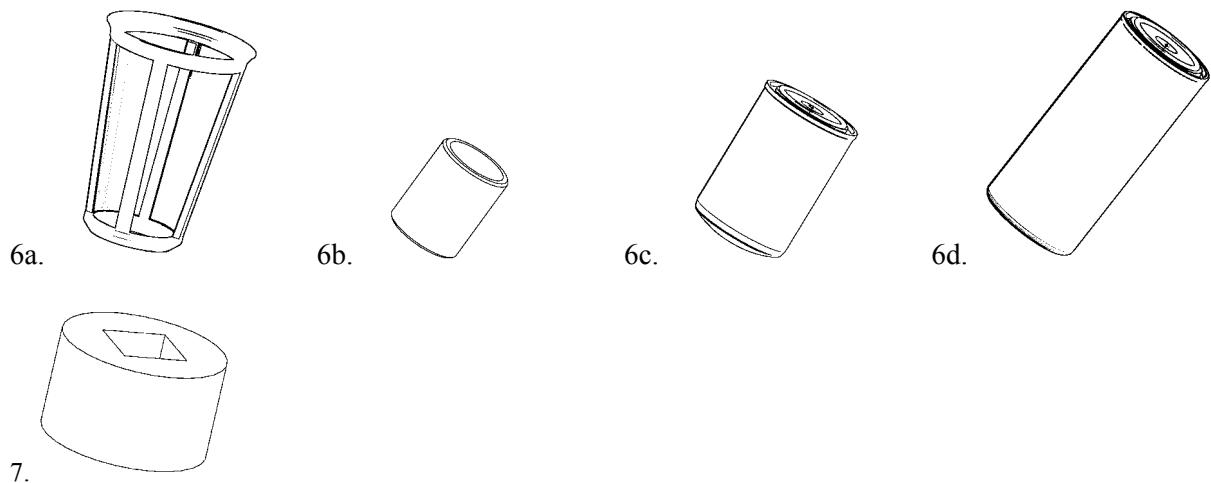


| | Part number | Description | DWG |
|----|--------------------------|---------------------------------|------------|
| | WM002376-0001 | Meter Duplex ass'y | 001-047915 |
| 1 | WM000504 | Cover check | 001-201943 |
| 2 | WM001101 | O-ring | 001-921075 |
| 3 | WM001102 | O-ring | 001-921076 |
| 4 | (old no.452643) WM000695 | 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 | | Magetic disc (see kit page 135) | 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 | WM001103 | Gasket | |

3.1.6 Meter - Dispenser

See also page 22.

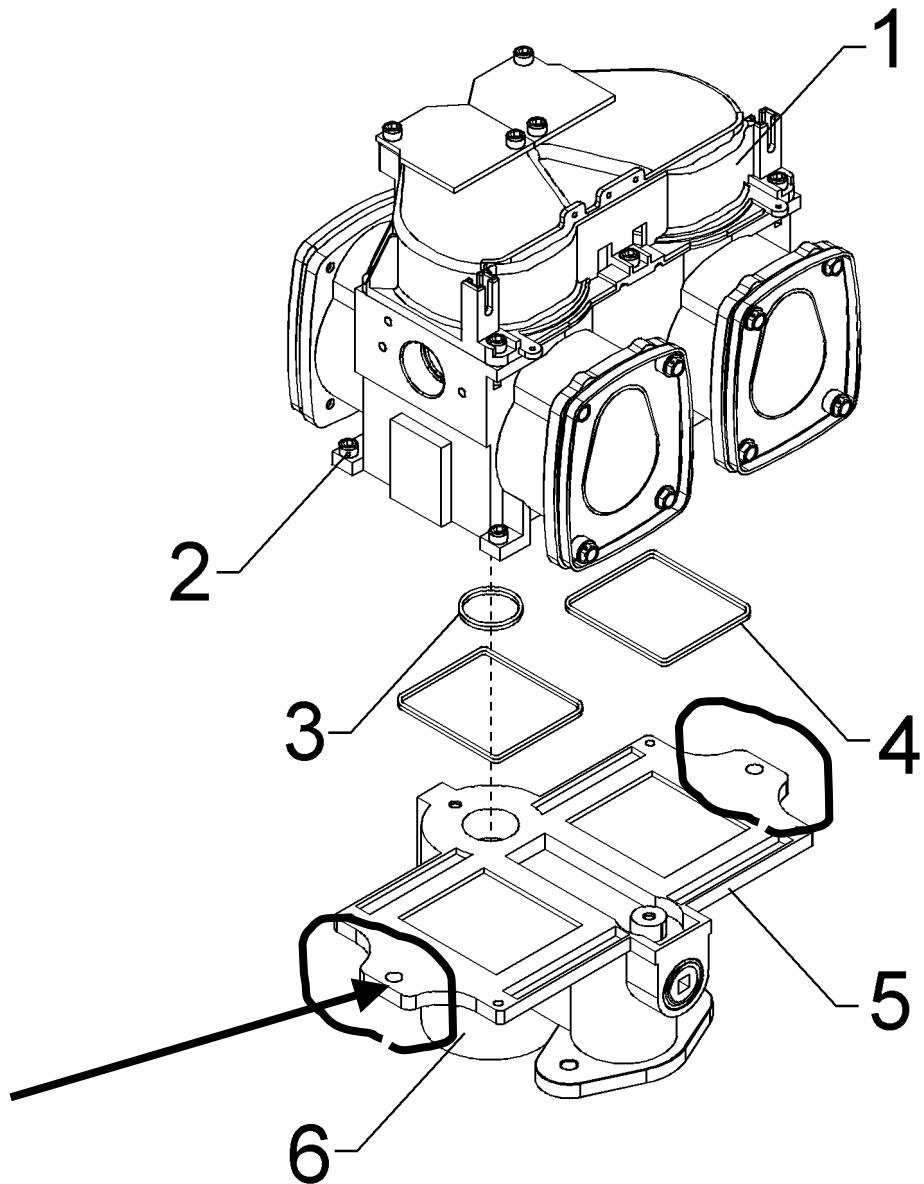




| | Part number | Description |
|----|--------------------|--|
| | | Hydraulic module for dispenser ass'y (Combined unit, remote inlet and meter) |
| | WM004740-0001 | 40 l/min |
| | WM004740-0002 | 70 l/min |
| | WM004740-0003 | 70 l/min single side A |
| | WM004740-0004 | 40 l/min extra connection |
| | WM004740-0005 | 70 l/min extra connection |
| | WM004740-0006 | Remote inlet with connection |
| | see page 24 | UREA |
| 1 | --- | |
| 2 | WM004596 | Sealing screw, hexagon socket cap, M6X45 |
| | WB000211-0001 | Screw MC6S 6X16 8.8 FZB |
| 3 | WM000612 | O-ring |
| 4 | WM000613 | O-ring T=4.0, ID=98 |
| 5 | | Dispenser bottom ass'y |
| 6a | WB000382 | Strainer |
| b | WM002000 | Nipple adapter |
| | | Strainer |
| c | WM002003 | 40-70L |
| d | WM002096 | 70-130L |
| 7 | WM002001 | Plug screw cut 1" - 11 NPTF X 19.05 mm long |

3.1.7 Meter - Dispenser - old

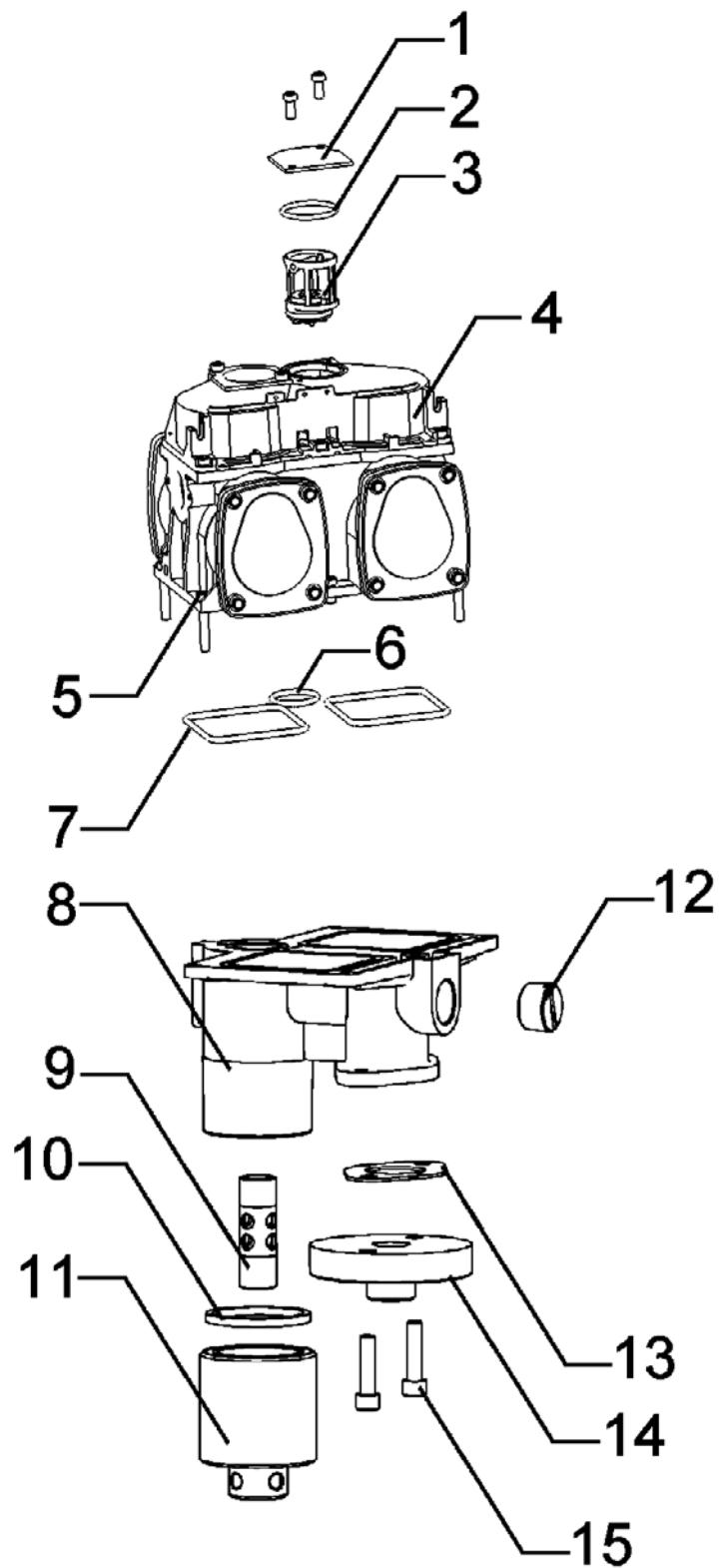
See also page 20.



See also page 20.

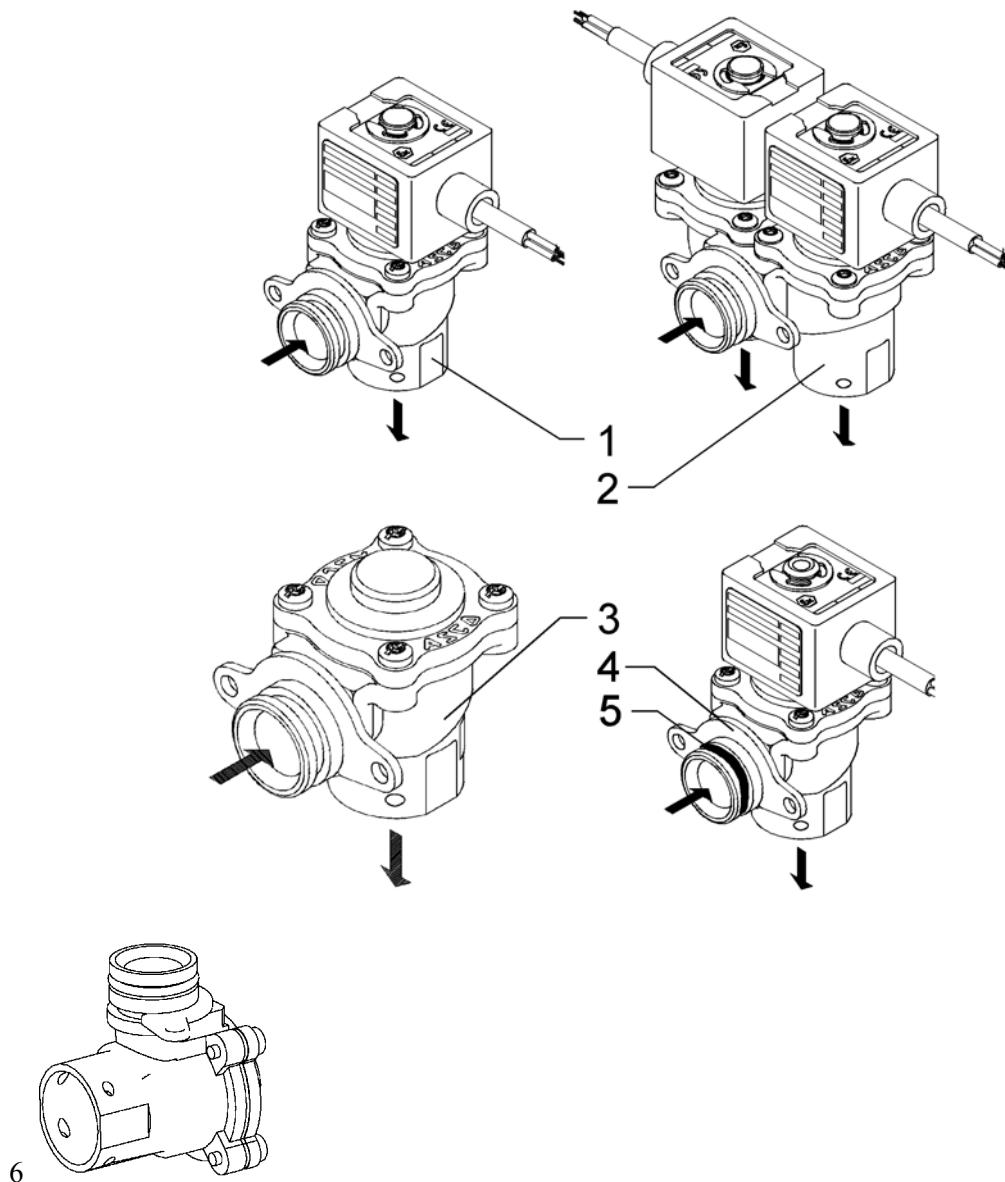
| | Part number | Description |
|---|--------------------|--|
| | | Hydraulic module for dispenser ass'y |
| | 170744 | Gasoline duplex 40 l/min |
| | 173510 | Gasoline single 40 l/min (sided inlet side) |
| | 170743 | Gasoline single 40 l/min (sided pulley side) |
| | 173160 | Diesel duplex 70 l/min |
| | 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 | 167362 | O-ring T=4.0, ID=98 |
| 5 | 170774 | Dispenser bottom ass'y |
| 6 | see page 20 | Strainer |
| | | 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) |

3.1.8 Meter - UREA



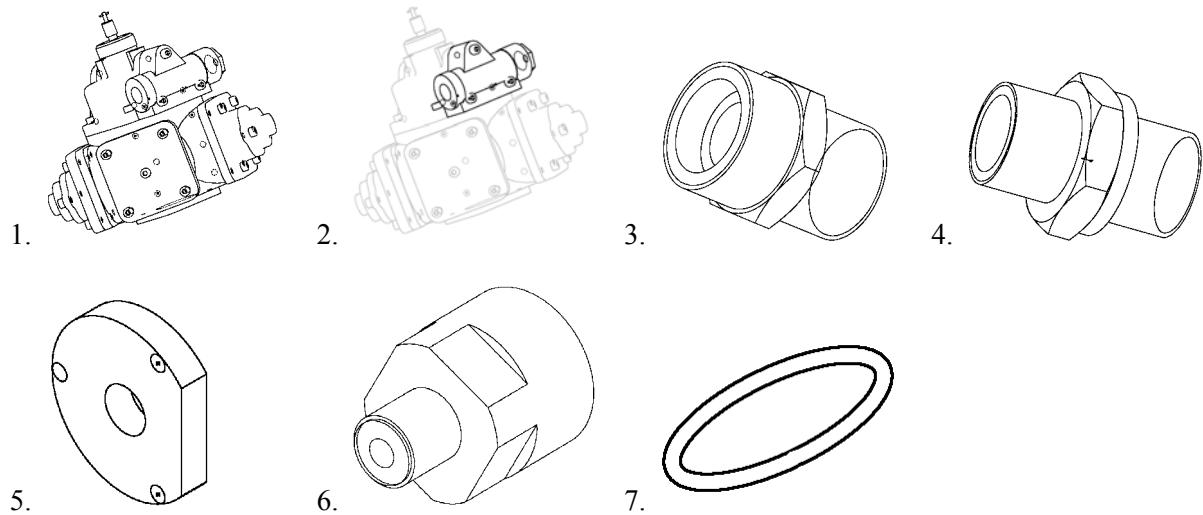
| | Part number | Description |
|----|--------------------|--|
| | WM004740-0007 | Hydraulic module for dispenser ass'y (Combined unit, remote inlet and meter) UREA |
| 1 | WM000504 | Cover |
| 2 | WM001101 | O-ring |
| 3 | WM000695-0001 | Check valve without magnet and strainer |
| 4 | --- | --- |
| 5 | WM004596 | Sealing screw, hexagon socket cap, M6X45 |
| 6 | WM000612-0001 | O-ring |
| 7 | WM000613-0001 | O-ring T=4.0, ID=98 |
| 8 | WM003159-0001 | Housing, machined, remote |
| 9 | WE000568 | Coupling, straight, equal male, 1" 12UNF 2B |
| 10 | WE000569 | Gasket 71,2 x 62 x 5,5 |
| 11 | WE000567 | Cap strainer |
| 12 | WE000566 | Plug 1" - 11.5 NPT |
| 13 | WE000706 | Gasket oval flange |
| 14 | WE000570 | Flange inlet adblue |
| 15 | WB000308-0002 | Screw, hexagon socket cap, M10 x 40 |

3.1.9 Valve



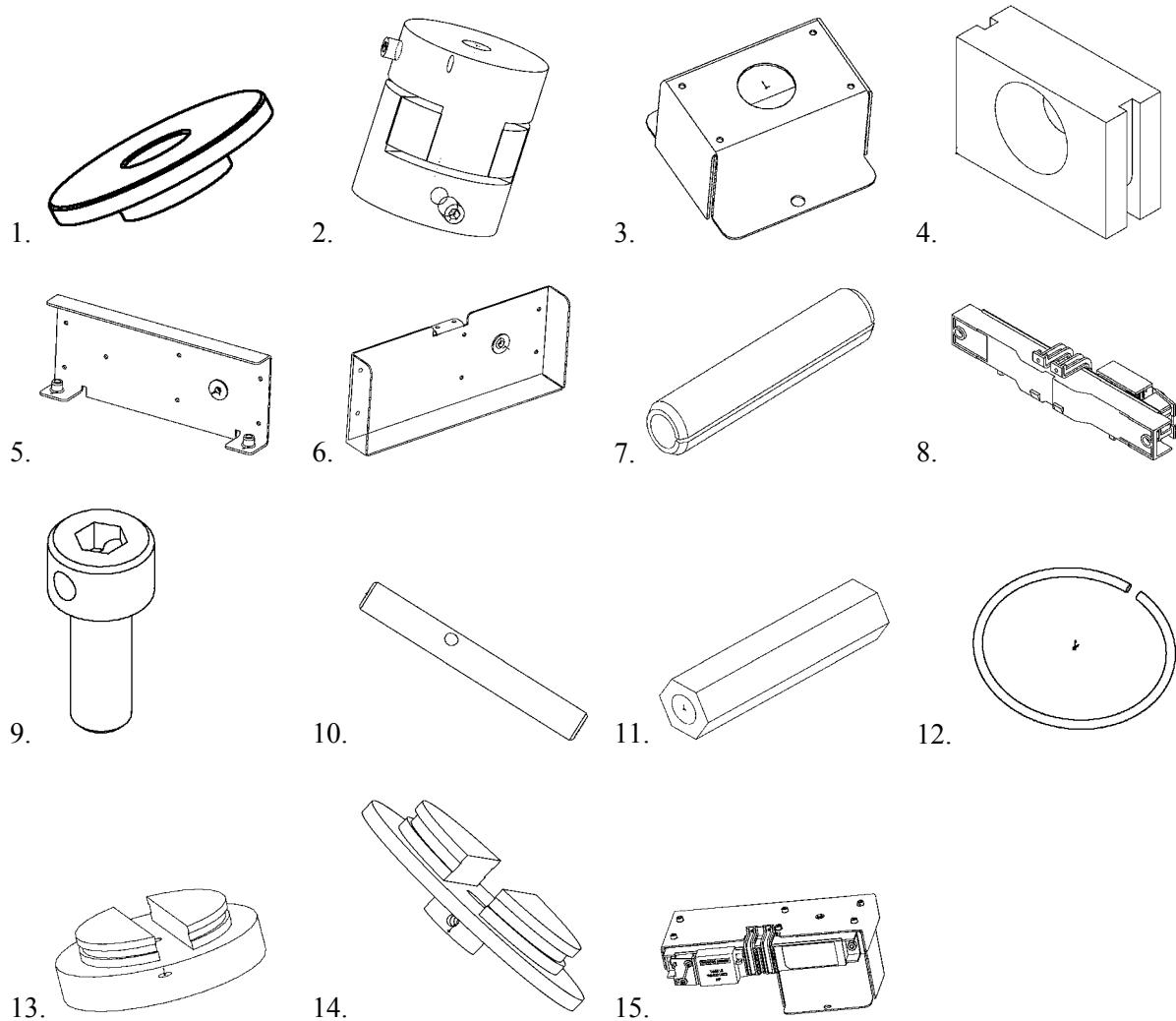
| | Part number | Description |
|---|--------------------|--|
| | WM001925 | Lock pin for tube fitting (see also page 105) |
| 1 | WM000337 | Proportional solenoid valve 0-70 l/m |
| 2 | WM000340 | Proportional duplex solenoid valve |
| 3 | WM000344 | Solenoid adapter |
| 4 | WM000338 | Solenoid valve on-off 70 l/m |
| 5 | WM000334 | O-ring T=3.53, ID=23.4 |
| | WM002217 | O-ring T=5.0, ID=21 (for "double bump", tube connection) |
| 6 | WM004254 | Check valve |

3.1.10 Meter LPG



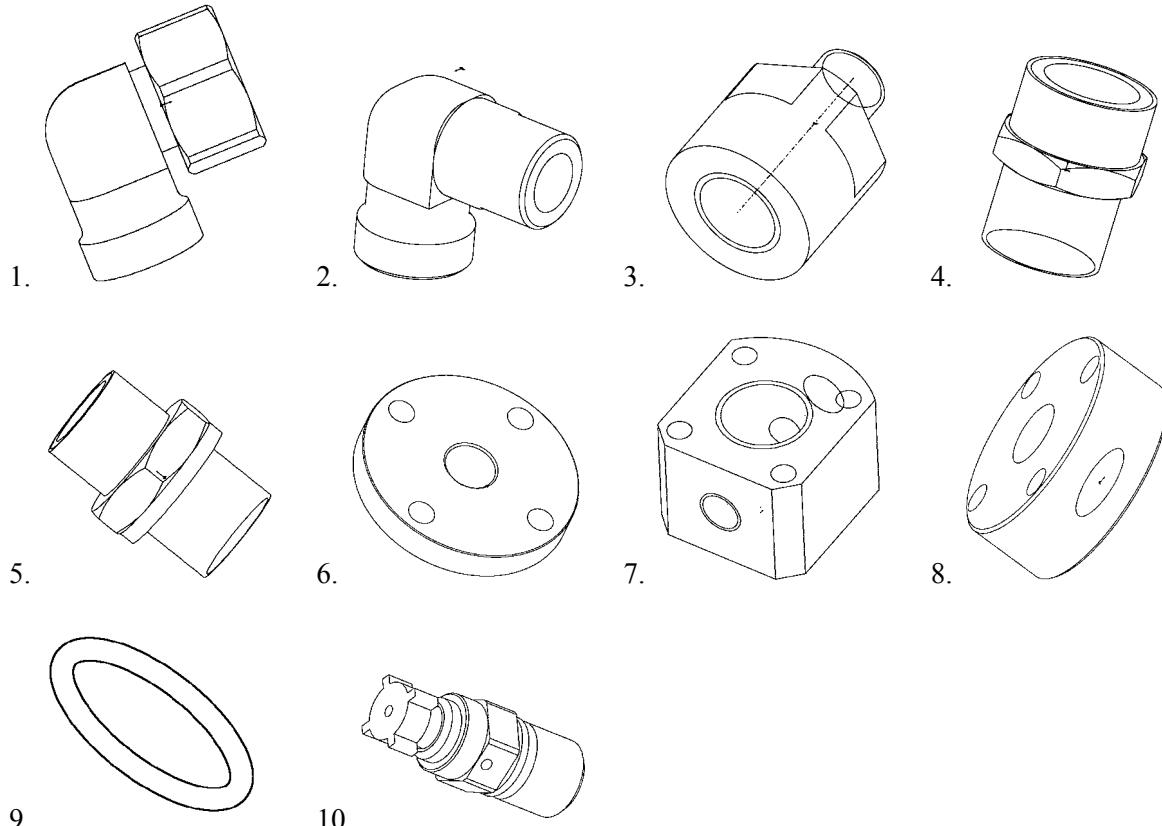
| | Part number | Description |
|---|--------------------|---|
| | WM003160 | Sealant loxeal 58-11, thread sealant |
| 1 | WM000243 | Meter, LPG |
| 2 | 453019 | Differential valve |
| 3 | WM000282 | Coupling, straight male GE22 L 3/4"NPT |
| 4 | WM001489 | Coupling, straight male XGE10-LR-ED1/4" |
| 5 | WM000924 | Flange inlet meter |
| 6 | WM000284 | Coupling, straight |
| 7 | WM000290 | O-ring T=3.5, ID=45.26 |
| | 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 |

3.1.11 WIP box assembled - LPG

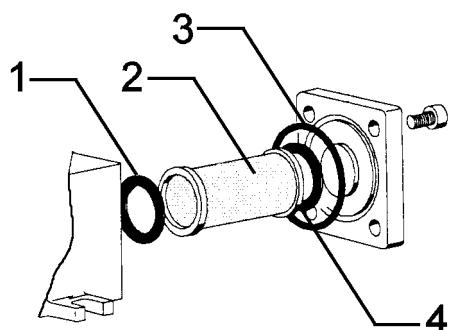
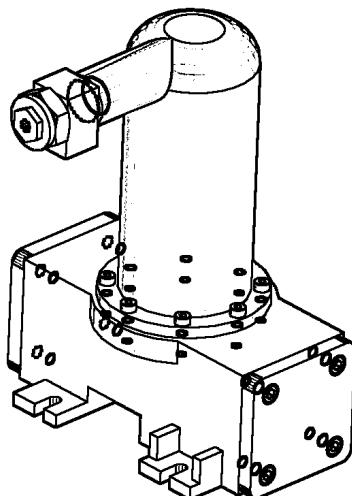


| | | Part number | Description |
|----|---|--------------------|---|
| | | WM004043 | Grease shell retinax EP2 |
| 1 | | WM003451 | Bushing WIP box, ID=6, OD=10, L=6 |
| 2 | | WM004176 | Coupling Rotex GS14 D1=6 D2=12 |
| 3 | | WM003435 | Cover, sheet metal WIP box connection |
| 4 | | WM001624 | Grommet |
| 5 | | WM003443 | Housing, sheet metal WIP box, base |
| 6 | | WM004167 | Housing, sheet metal WIP box, top |
| 7 | | WB000586-0001 | Locator pin OD=2.5, L=14 |
| 8 | U | WM001682-0001 | Pulser |
| 9 | | | Seal screw, hexagon socket cap |
| | | WM003767 | M4 x 10 |
| | | WM002236 | M6 x 16 |
| 10 | | WM003450 | Shaft WIP box |
| 11 | | WB000407-0002 | Spacer M4 x 30, hexagonal |
| 12 | | WM000497 | Spring, C-shape |
| 13 | | WM003449 | Wheel WIP box, blind wheel |
| 14 | | WM003446 | Wheel WIP box, for magnet ring |
| 15 | | WM004177 | WIP box, assembled |
| | | | |
| | | 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 |

3.1.12 Filter LPG

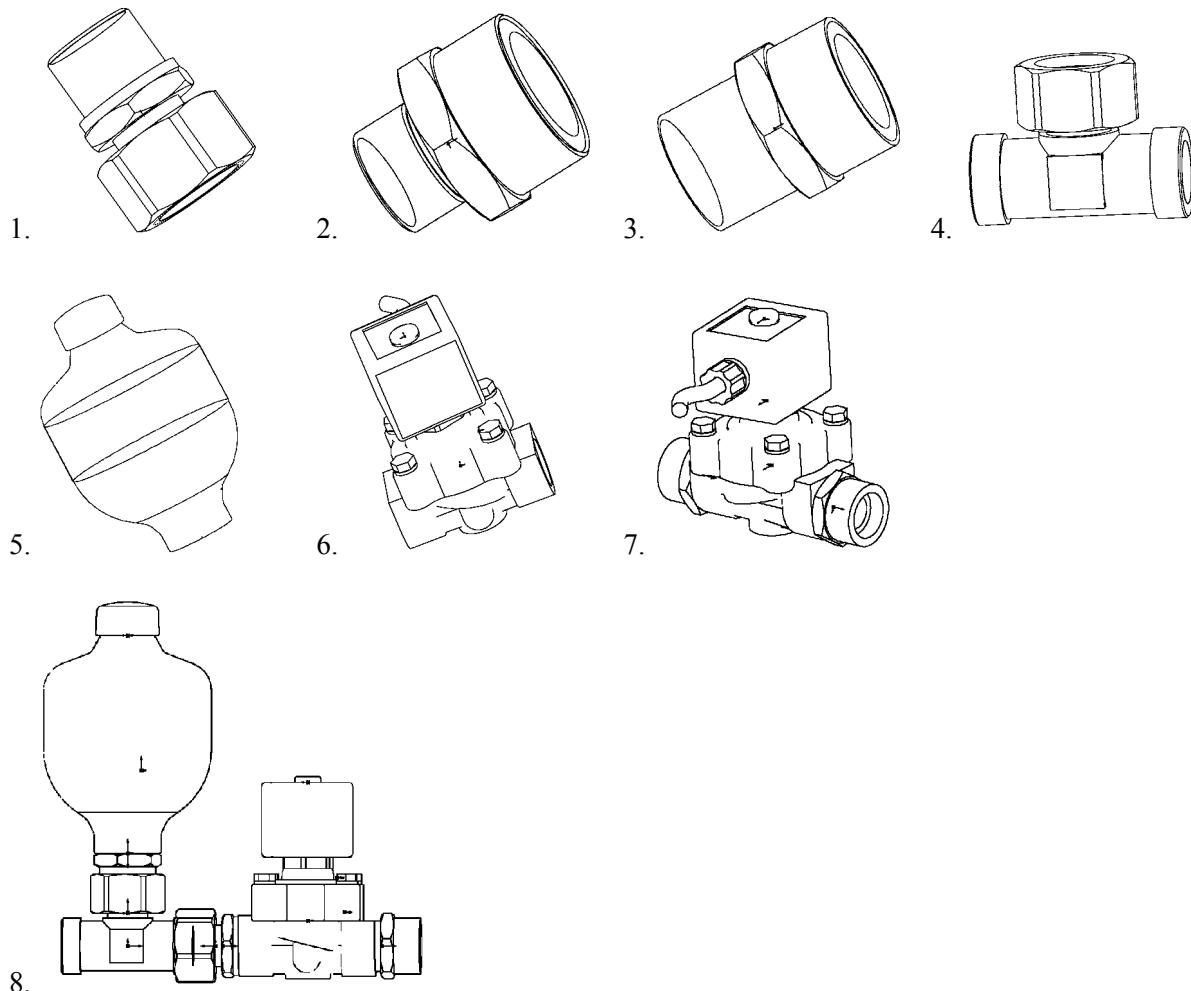


| | Part number | Description |
|----|--------------------|---|
| | WM003160 | Sealant loxel 58-11, thread sealant |
| 1 | WM001505 | Coupling, 90 degree EW22-PL |
| 2 | WM002177 | Coupling, 90 degree WE22-PL 3/4" NPT |
| 3 | WM000284 | Coupling, straight |
| 4 | WM000282 | Coupling, straight male GE22 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 | WM000290 | O-ring 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 |
| | 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 |



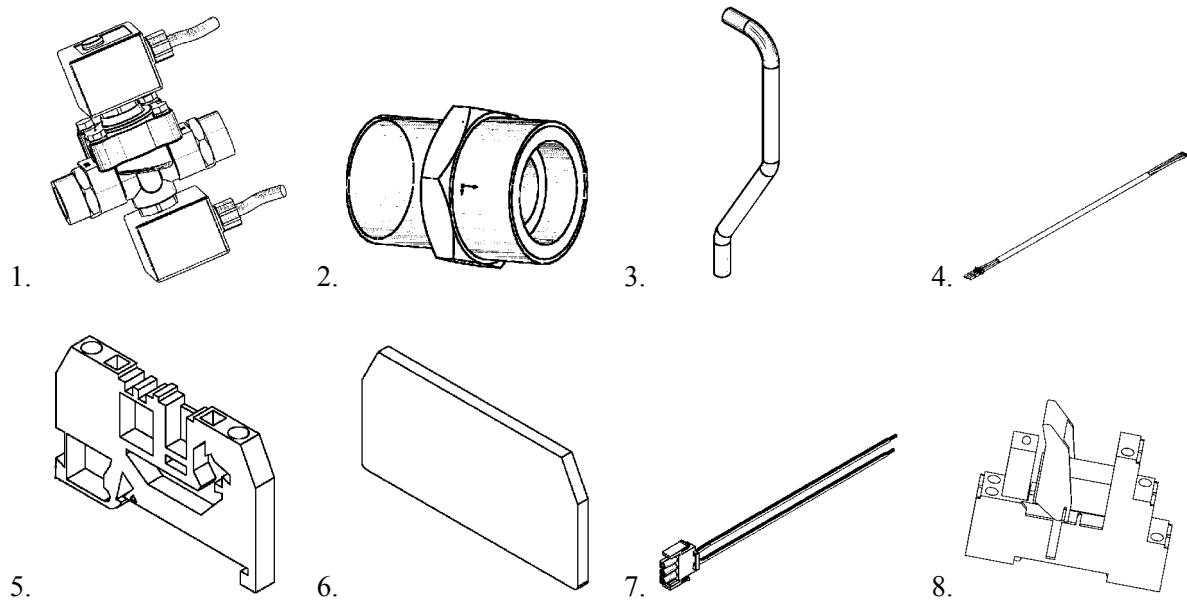
| | Part number | Description |
|---|--------------------|----------------------------------|
| | WM000226 | Degasing unit (with filter, LPG) |
| 1 | | Gasket |
| 2 | | Filter |
| 3 | | O-ring |
| 4 | | Gasket |

3.1.13 Valve LPG



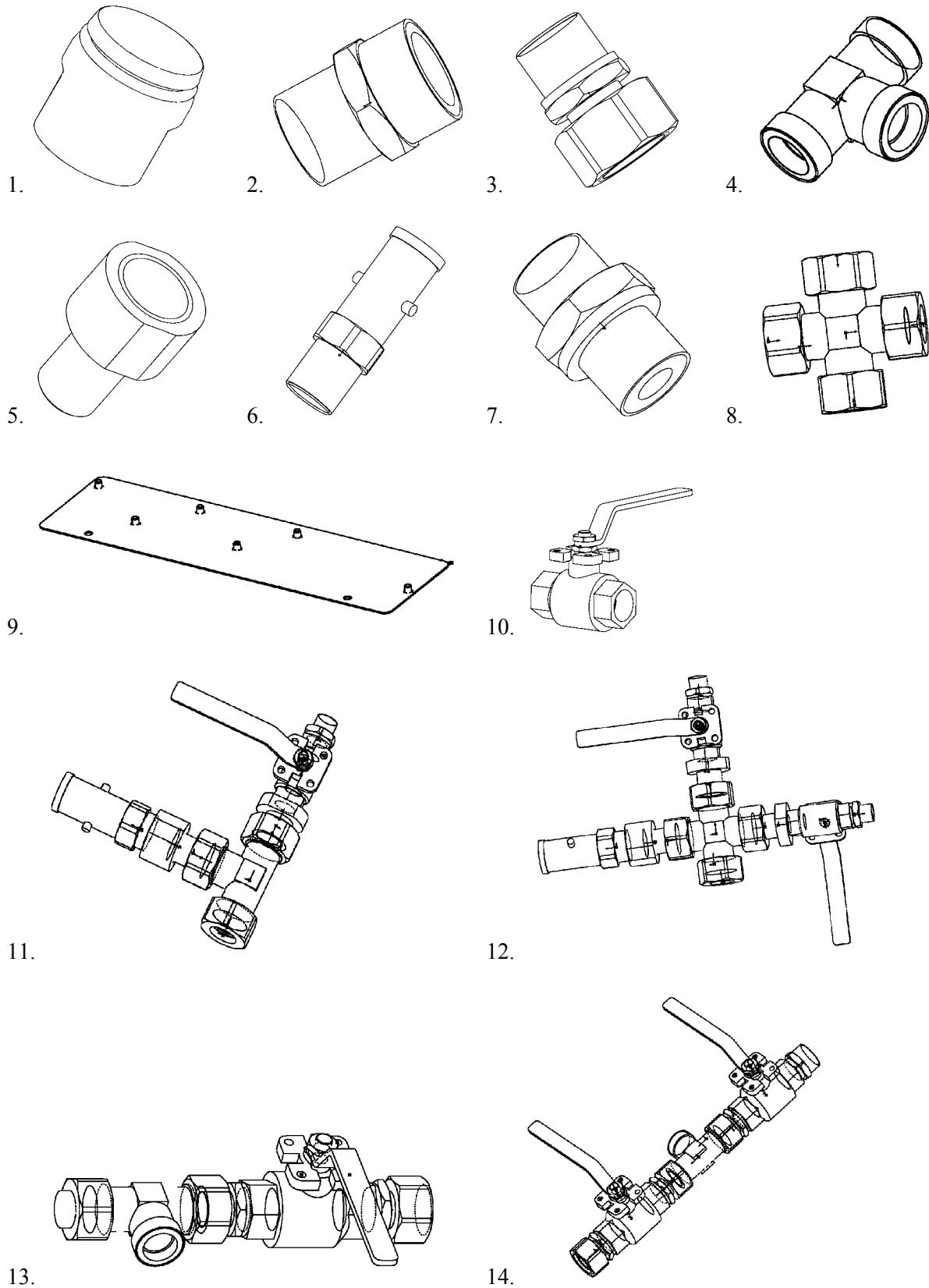
| | Part number | Description |
|---|--------------------|--|
| | WM003160 | Sealant Loxeal 58-11, thread sealant |
| 1 | WM001503 | Coupling, straight EGE22-LR-ED |
| 2 | WM004945 | Coupling, straight GE22 PLR G1/2 |
| 3 | WM001491 | Coupling, straight male, GE22 PLR 3/4" |
| 4 | WM004952 | Coupling, 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 |

3.1.14 2-stage valve, LPG



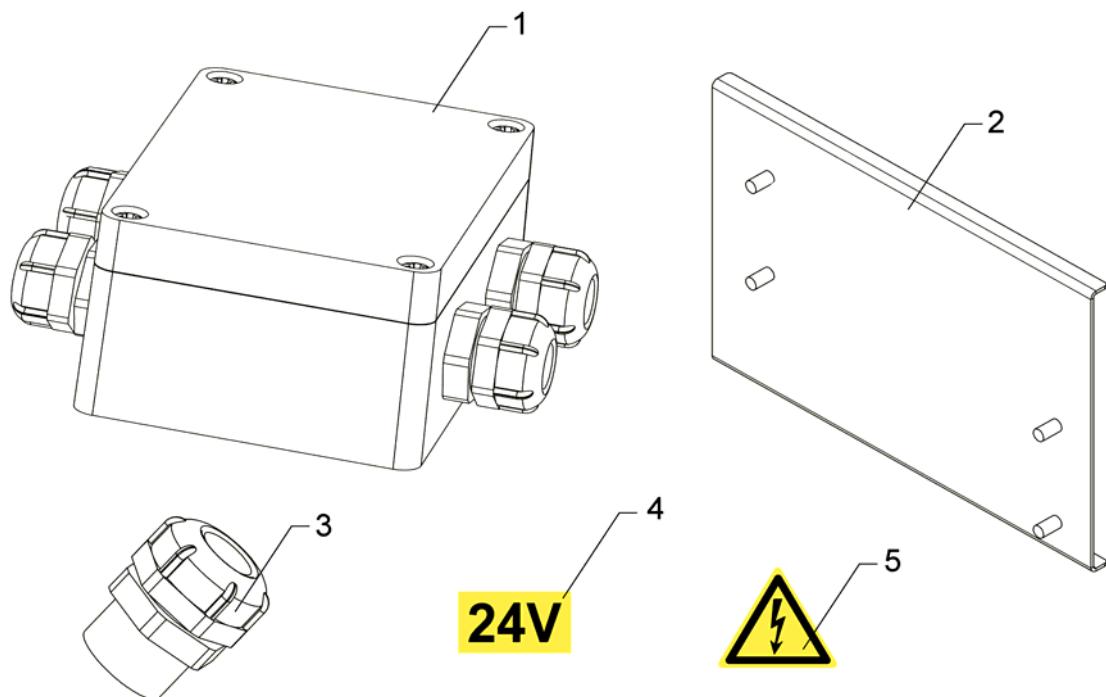
| | Part number | Description |
|---|--------------------|---|
| | WM003160 | Sealant Loxeal 58-11, thread sealant |
| 1 | | Solenoid valve, LPG 2-stage |
| 2 | WM001491 | Coupling, straight male, GE22 PLR 3/4" (x2) |
| | WM004830 | Solenoid valve, preset LPG |
| 3 | WM011011 | Tube |
| 4 | WM00003758-0001 | Cable 4x0.34 L=1100 |
| 5 | WM005077 | Terminal block |
| 6 | WM008228 | Terminal block end section |
| 7 | WM004991-0001 | Cable multi 1x1.5 BU L=300, 1x1.5 BN L=300 |
| 8 | WM002399 | Relay with socket and led |

3.1.15 Miscellaneous LPG

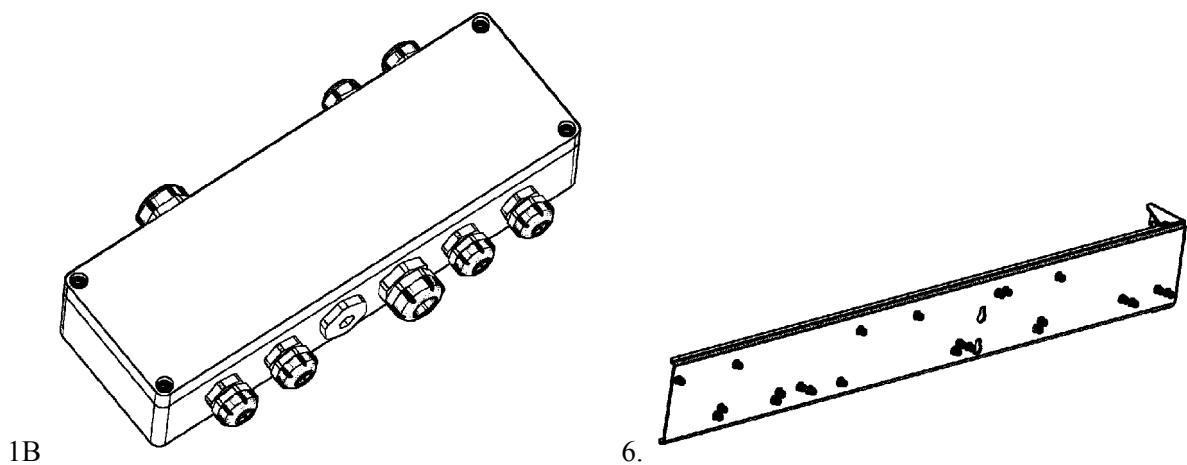


| | Part number | Description |
|----|--------------------|---|
| | WM003160 | Sealant loxel 58-11, thread sealant |
| 1 | WM004679 | Plug blanking VKA22 |
| 2 | WM001491 | Coupling, straight male, GE22 PLR 3/4" |
| 3 | WM001503 | Coupling, straight EGE22-LR-ED |
| 4 | WM000925 | Coupling, T-coupling 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 |
| | 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 |

3.2 Junction box

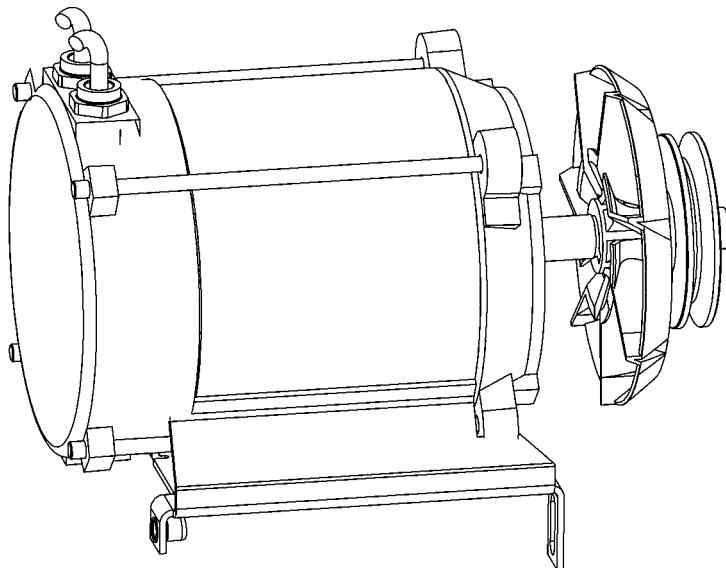


(see also "Labels" page 65)



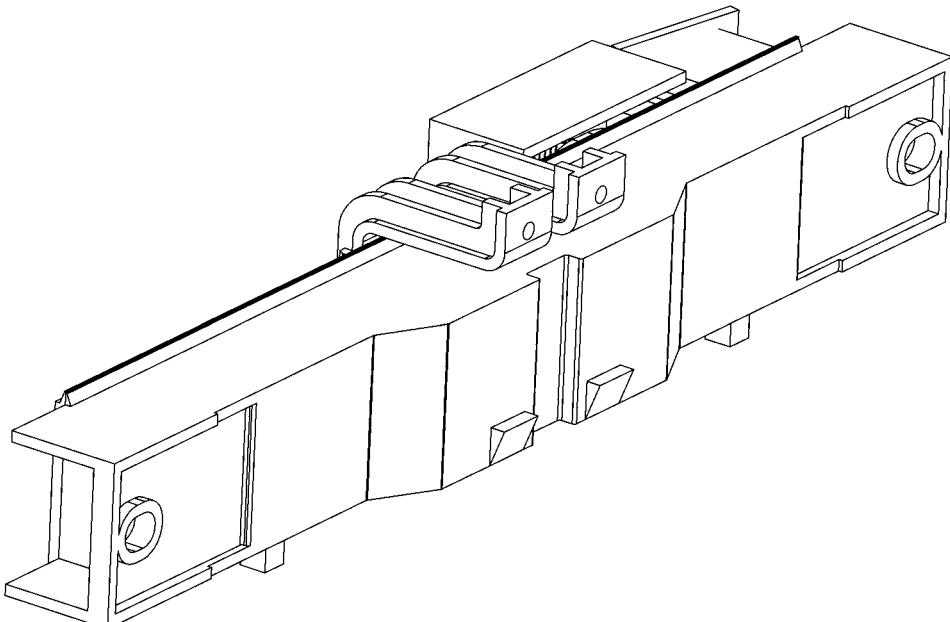
| | Part number | Description |
|----|--------------------|---|
| 1 | | Junction box High voltage 230V/400V |
| | WM001734 | 3-phase-230V |
| | WM001737 | 1-phase-230V |
| | WM005129 | 3-phase-230V suction |
| | WM005149 | 1-phase-230V suction UK |
| | WB000209-0002 | Screw, hexagon socket cap, M4 x 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 SCR |
| | WM008794-0001 | High voltage |
| | WM008789-0001 | With thermostat |
| | | Junction box B2B (Support, See page 35) |
| 1B | WM005817 | LPG |
| 2 | WM005190 | Support, U-shape |
| 3 | | Grommet |
| | WM001604 | M16, dia 5-8 mm |
| | WM001540-0001 | M20, dia 8-13 mm |
| | WM001540-0002 | M20, dia 10-15 mm |
| | WM003241 | M25, blind |
| | | Instruction label (see also "Labels" page 65) |
| 4 | WM003327 | 24 V |
| | WM003326 | Warning/achtung, high voltage (DE) |
| 5 | WM003332 | Sticker high voltage |
| 6 | WM001790 | Support, L-shape |

3.3 Motor

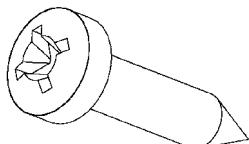


| | Part number | Description |
|--|--------------------|--|
| | WM001452 | Fan plastic |
| | | V-Belt |
| | WM007324 | Z-profile SPZ 772 |
| | WM003054 | Z-profile SPZ 787 |
| | WM004363 | Z-profile SPZ 792 |
| | WM003055 | Z-profile SPZ 800 |
| | | Motor |
| | WM001455 | 1-phase 0.75 kW, 230 V, 50 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 (use std motor) |
| | 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 (use std motor) |

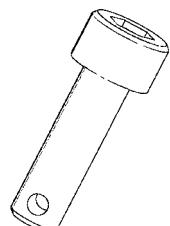
3.4 Pulser



1.



2.



3.

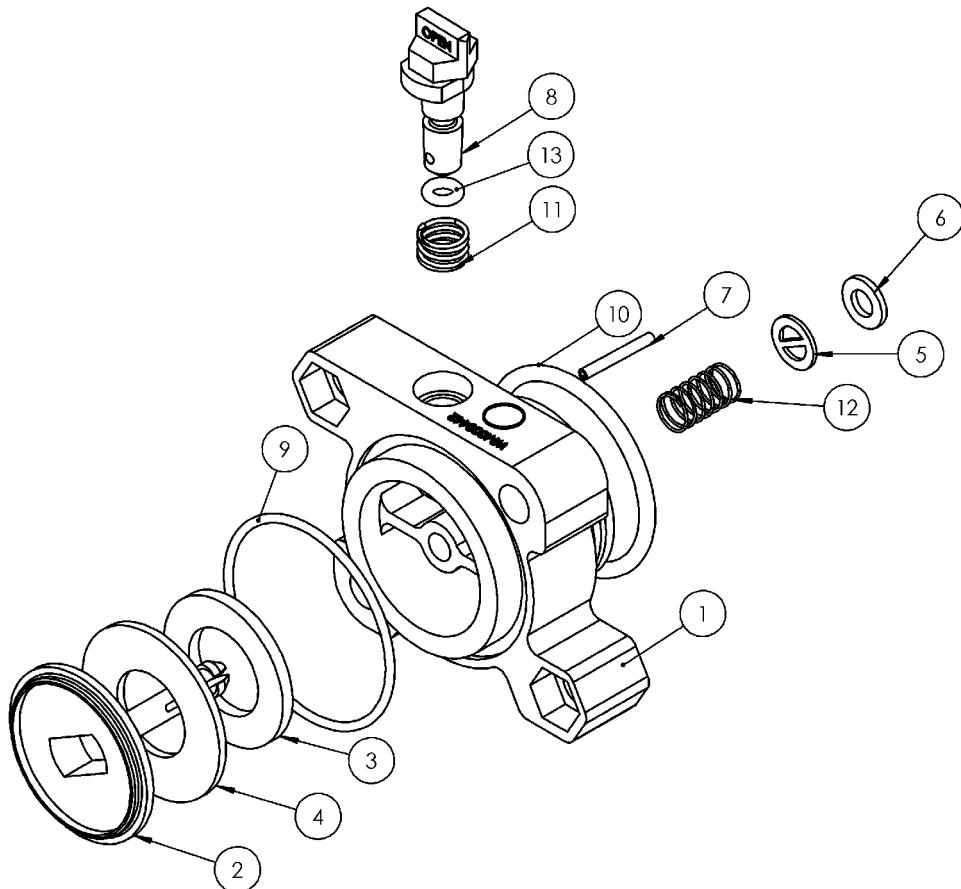
WIP box assembled - LPG, see page 28.

| | | Part number | Description |
|---|---|--------------------|--|
| 1 | U | WM001682-0001 | Pulser |
| 2 | | WB000396-0001 | Self tapping screw, poz, pan head, type C ST2.9 x 13 |
| 3 | | WM008105 | Seal screw, hexagon socket cap, M6X20 |
| | | WB000211-0001 | Screw, hexagon socket cap, M6 x 16 |
| | | WB000228-0003 | Nut, M6 |

3.5 Inlet

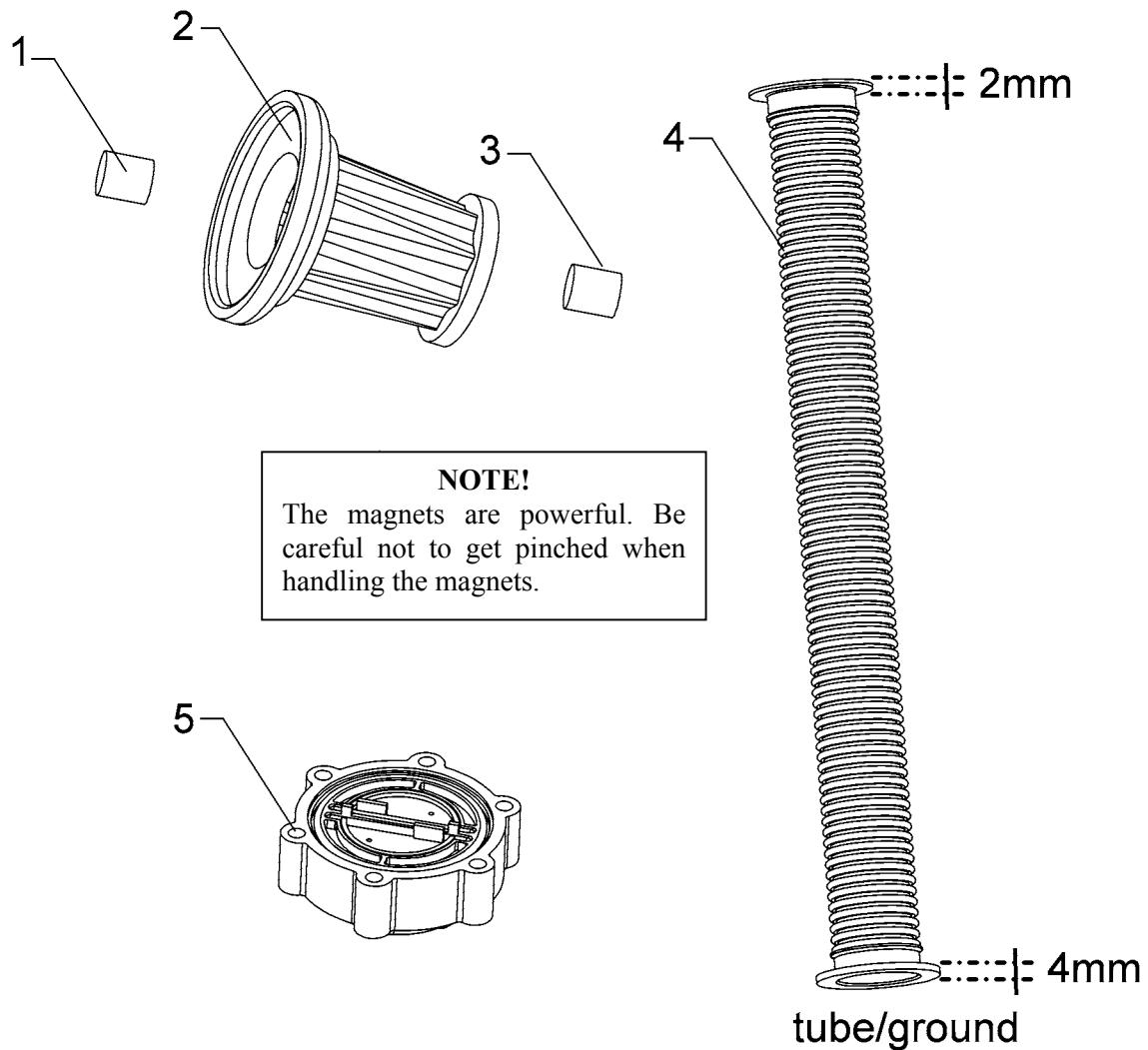
3.5.1 Inlet dispenser see page 20

3.5.2 Check valve - inlet



| | Part number | Description |
|----|--------------------|--|
| | 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 |
| | WB000212-0001 | Screw, hexagon socket cap, M8 x 20 |
| | WB000213-0001 | Screw, hex head, M8 x 30 |
| | WB000398-0001 | Nut, M8, hex flange |

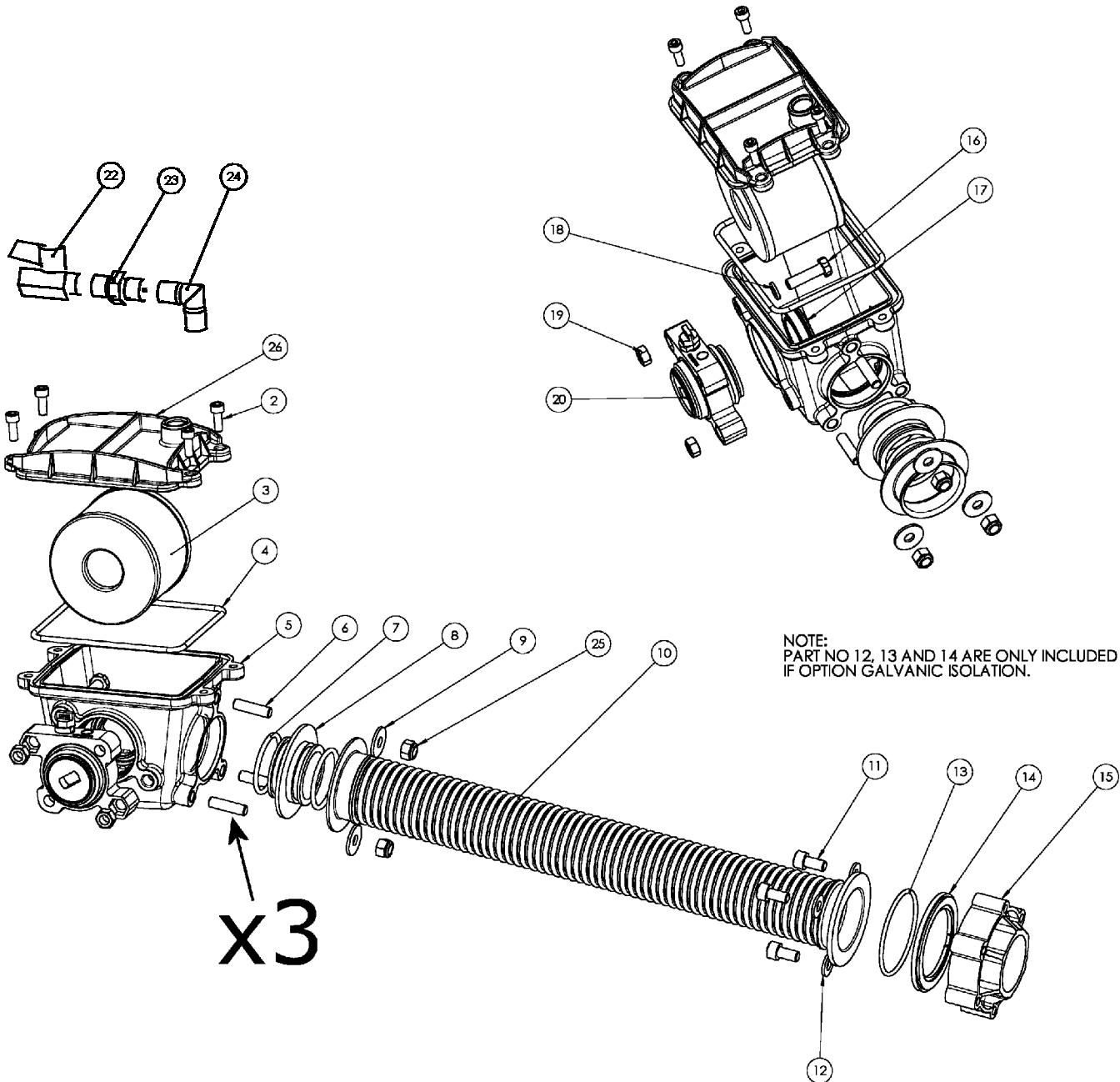
3.5.3 Global Inlet



| | 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 |
| | WM000446 | O-ring |

3.5.4 Large filter pot inlet

Note! Screw x3 (See also page 44)



To prevent damage on the threads in the filter pot housing the screws for the cover must not be tighten harder than $8 \pm 0,5$ Nm.

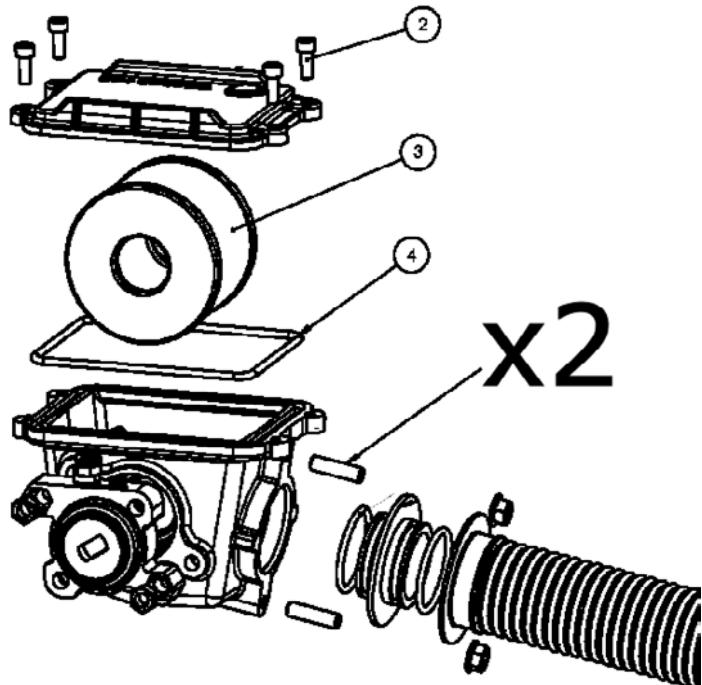


12, 14

| | Part number | Description |
|--------|---|---|
| | | Large filter pot ass'y (die casted design) |
| | WM008325-0001 | Large filter pot, standard |
| | WM008325-0002 | Large filter pot, W&M |
| | WM008325-0003 | Large filter pot hydro filter |
| | WM008325-0004 | Large filter pot W&M and hydro filter |
| | WM003160 | Sealant loxel 58-11, thread sealant |
| 2 | WB000211-0001 | Screw, hexagon socket cap, M6 x 16 |
| 3 | (When you open the filter pot you need a new O-ring) | To prevent damage on the threads in the filter pot housing the screws for Filter the cover must not be tighten harder than $8 \pm 0,5$ Nm |
| | WM003157 | Cellulose |
| | WM007580 | Hydro (indicates water) |
| 4 | → WM007233 | O-Ring T=4, ID=129 |
| 5 | WM007235 | Housing, machined |
| 6 | WB000375-0001 | Stud, M8 x 30 |
| 7 | WM000462 | O-ring T=3.5, ID=42 |
| 8 | WM005720 | Coupling |
| 9 | WB000627-0001 | Washer (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, 14 | WM004243 | Washer (3 pcs.) and ring (galvanic isolation) |
| 13 | WM000446 | O-ring T=3.0, ID=64.5 (galvanic isolation) |
| 14 | see 12 above | see 12 above |
| 15 | WM000449 | Valve non return |
| 16 | WM009022-0001 | Screw (low head) |
| 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 40) |
| 22 | WM005296 | Ball valve straight, male and female G 3/8 |
| 23 | WM005456 | Check valve |
| 24 | WM005416 | Coupling, 90 degree |
| 25 | WB000229-0004 | Lock nut, M8 (for galvanic isolation use washer WM000627-001 and lock nut WB000229-0004) |
| 26 | | Cover, machined |
| | WM007308-0001 | Without hole |
| | WM007308-0002 | With hole |

3.5.5 Large filter pot inlet - old

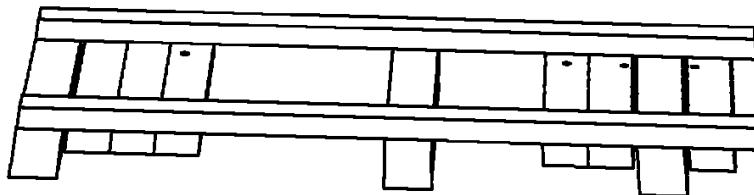
Note! Screw x2 (See also page 42)



| | Part number | Description |
|---|---|---|
| 2 | WB000211-0001 | Screw, hexagon socket cap, M6 x 16 |
| 3 | (When you open the filter pot you need a new O-ring) | To prevent damage on the threads in the filter pot housing the screws for Filter the cover must not be tighten harder than $8 \pm 0,5$ Nm |
| | WM003157 | Cellulose |
| | WM007580 | Hydro (indicates water) |
| 4 | ► WM003151 | O-Ring T=4, ID=132 |

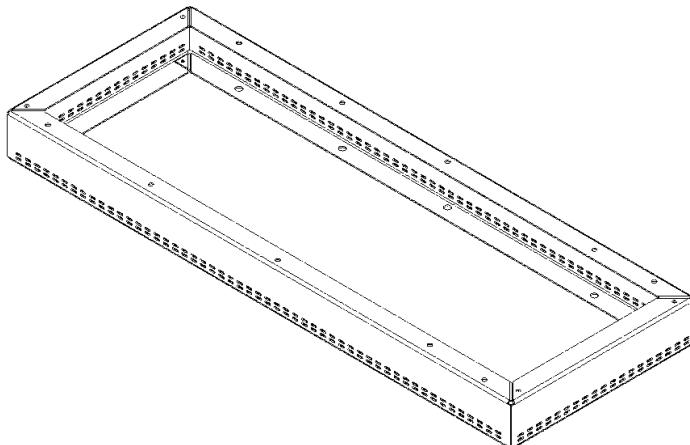
3.6 Pallet/Drip-pan/Extended base frame/foundation frame

3.6.1 Pallet



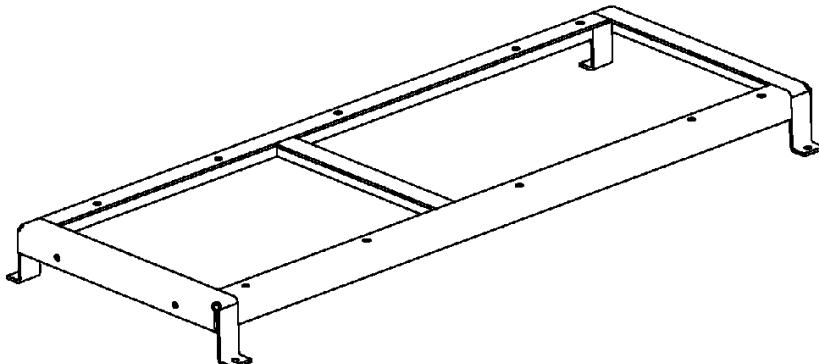
| | Part number | Description |
|----------------------------|--------------------|--|
| Pallet LHR & HH | | |
| | WM007471 | L=1360 mm (CXX-32, CXX-22, CXX-31, CXX-11, CXX-21) |
| | WM007466 | L=1630 mm (CXX-33) |
| | WM007470 | L=1895 mm (CXX-42, CXX-43, CXX-44) |

3.6.2 Extendend base frame



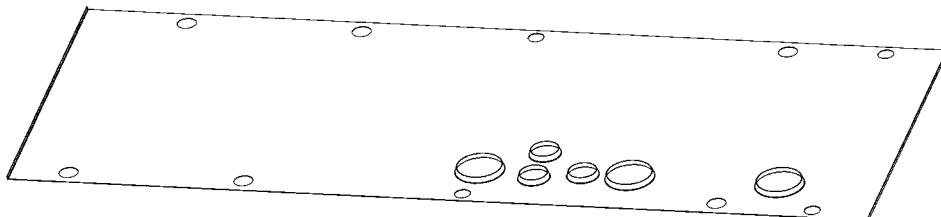
| | Part number | Description |
|--|--------------------|--------------------|
| Extendend base frame LHR & HH | | |
| | WM004160 | C11-11 |
| | WM004161 | C22-22 |
| | WM004162 | C33-33 |
| | WM004163 | C44-42 |
| | WM004164 | C44-43 |
| | WM004165 | C44-44 |

3.6.3 Foundation frame



| | Part number | Description |
|--|--------------------|----------------------------|
| Foundation frame LHR & HH | | |
| | 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 (only LHR) | | |
| | WM006061 | 3 hydraulics, 1 nozzle B2B |
| | WM006055 | 3 hydraulics, 2 nozzle B2B |

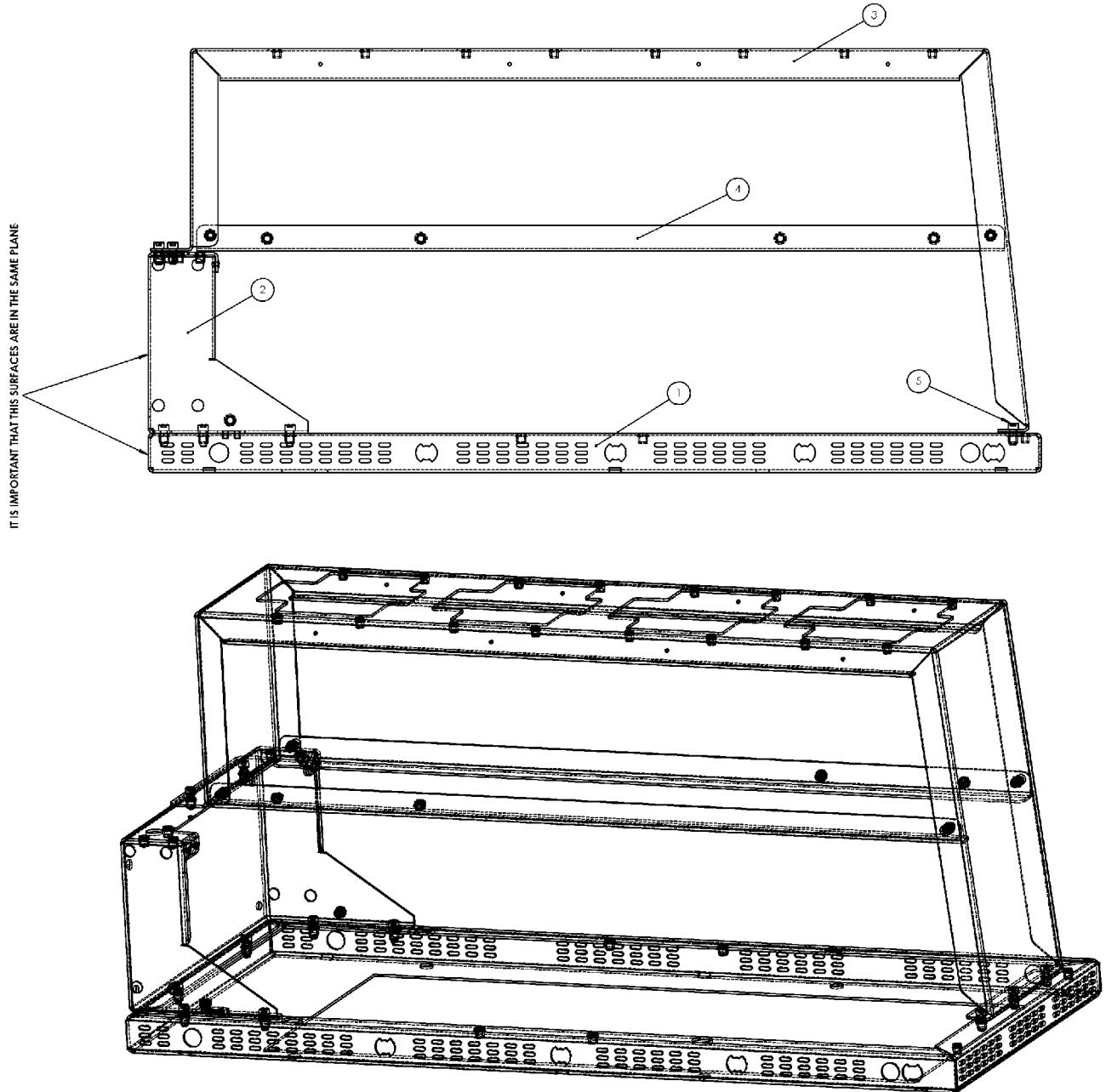
3.6.4 Drip-pan

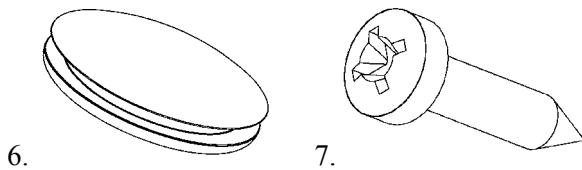


| | Part number | Description |
|--------------------------------|--------------------|---|
| Drip-pan LHR & HH | | |
| | WM002859 | 3 hydraulics + 1 nozzle module L=1100 mm |
| | WM002858 | 3 hydraulics + 2 nozzle modules L=1240 mm |
| | WM002854 | 3 hydraulics + 3 nozzle modules L=1380 mm |
| | WM003030 | 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 (only LHR) | | |
| | 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 |

3.7 Frameworks hydraulics

3.7.1 Dispensers Global Star LHR and HH

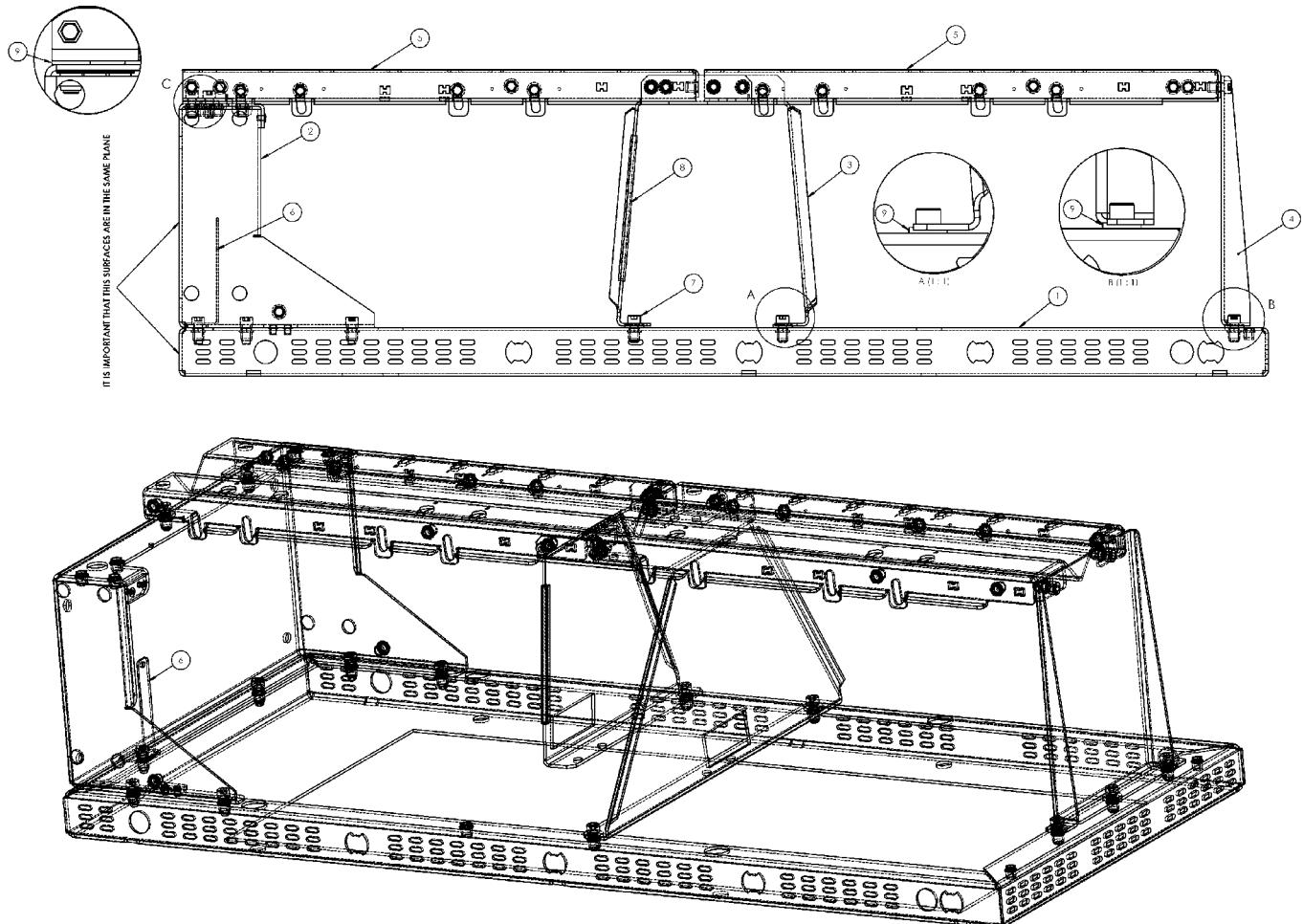




6. 7.

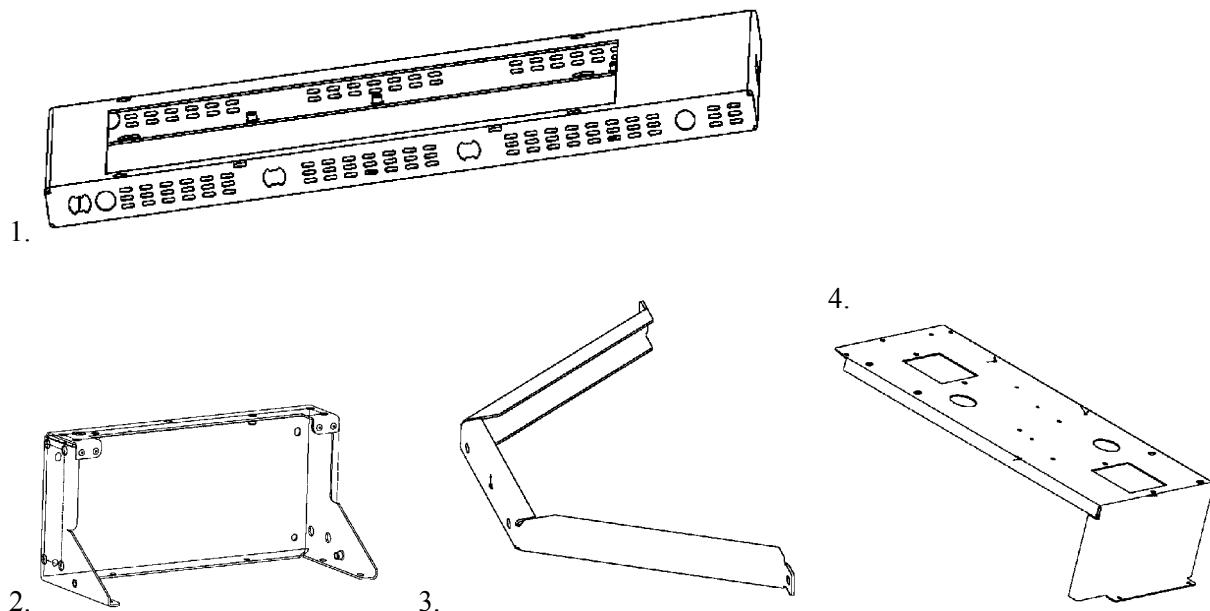
| | Part number | Description |
|---|--------------------|--|
| 1 | | Base, hydraulics |
| | WM002791-0005 | 3 modules black grey, RAL 7021, gloss 70 |
| | WM002791-0006 | 4 modules black grey, RAL 7021, gloss 70 |
| 2 | WM001810 | Support, box shape |
| | WB000220-0001 | Pop-nut, open, low profile csk, 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 |

3.7.2 Suction pump Global Star LHR and HH



| | Part number | Description |
|---|--------------------|--|
| | WB000273-0002 | Grounding screw, M5 |
| 1 | | Base, hydraulics |
| | WM002791-0005 | 3 modules black grey, RAL 7021 |
| | WM002791-0006 | 4 modules black grey, RAL 7021 |
| | WM002791-0013 | 3 modules ultramarine blue RAL 5002 |
| | WM002791-0014 | 4 modules ultramarine blue RAL 5002 |
| 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 |

3.7.3 Frameworks hydraulics LPG



| | Part number | Description |
|---|--------------------|--|
| 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 |
| | 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 |

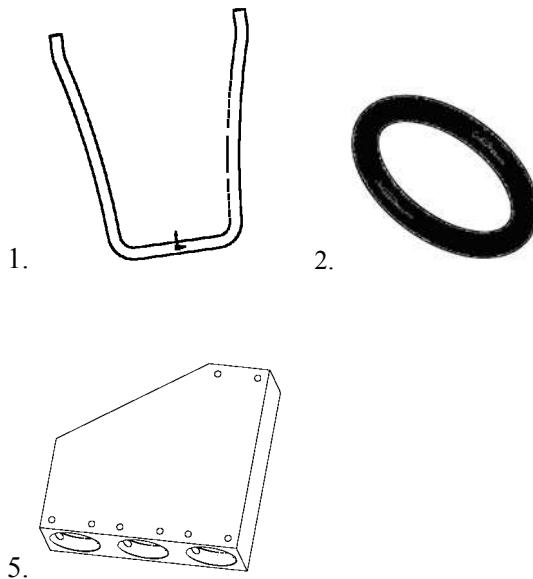


3.8 Tube

Tubes for vapour recovery see chapter 7 page 112.



You will find the tube number printed on the tube.



| | Part number | Description |
|---|--------------------|--|
| 1 | WM001925 | Lock pin for tube fitting (see also page 105) |
| 2 | WM002217 | O-ring t=5.0, ID=21 (for "double bump", tube connection) |
| | | Tube connector, Coupling female double bump |
| 3 | WM006357 | 1-1 |
| 4 | WM003045 | 2-1 |
| 5 | WM003046 | 3-1 |

3.8.1 Tube from hydraulic to tube connector (LHR and HH)

| Part number | Description |
|------------------------------------|-------------|
| 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 |



You will find the tube number
printed on the tube.

3.8.2 LHR (from hose to tube connector)

| | Part number | Description |
|------------------------------------|--------------------|--------------------|
| 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 |

3.8.3 HH C33-44 130/40/40/40, C22-33, C11-22, 23,22 (from hose to tube connector)

| Part number | Description |
|--------------------|---|
| | Tube, fuel delivery, side A |
| WM008195 | Hose 1 (CU Ø28) (Tubes from the hydraulic, WM002500 & WM002734) |
| WM008210 | Hose 1 (Tubes from the hydraulic, WM002500 & WM002734) |
| WM008218 | Hose 2 (Tube from the hydraulic, WM002732) |
| WM008219 | Hose 3 (Tube from the hydraulic, WM002517) |
| WM008281 | Hose 4 (Tube from the hydraulic, WM002564) |
| | Tube, fuel delivery, side B |
| WM008211 | Hose 1 (CU Ø28) (Tubes from the hydraulic, WM002502 & WM002738) |
| WM008212 | Hose 1 (Tubes from the hydraulic, WM002502 & WM002738) |
| WM008217 | Hose 2 (Tube from the hydraulic, WM002736) |
| WM008220 | Hose 3 (Tube from the hydraulic, WM002520) |
| WM008222 | Hose 4 (Tube from the hydraulic, WM002566) |

3.8.4 HH C44-44 40/40/40/40, 40-70, 40-60, 70, 60 (from hose to tube connector)

| Part number | Description |
|--------------------|------------------------------------|
| | Tube, fuel delivery, side A |
| WM008210 | Hose 1 (CU Ø22) |
| WM008218 | Hose 2 |
| WM008219 | Hose 3 |
| WM008221 | Hose 4 |
| | Tube, fuel delivery, side B |
| WM008212 | Hose 1 (CU Ø22) |
| WM008217 | Hose 2 |
| WM008220 | Hose 3 |
| WM008222 | Hose 4 |

3.8.5 HH C44-44 40-90, 90 (from hose to tube connector)

| Part number | Description |
|--------------------|------------------------------------|
| | Tube, fuel delivery, side A |
| WM008215 | Hose 1 |
| WM008218 | Hose 2 |
| WM008219 | Hose 3 |
| WM008221 | Hose 4 |
| | Tube, fuel delivery, side B |
| WM008213 | Hose 1 |
| WM008217 | Hose 2 |
| WM008220 | Hose 3 |
| WM008222 | Hose 4 |

3.8.6 HH C11-11 SB 40-90, 90 (from hose to tube connector)

| Part number | Description |
|--------------------|---|
| | Tube, fuel delivery, side B |
| WM008211 | Hose 1 (Tubes from the hydraulic, WM0022672 & WM002856) |

3.8.7 HH C11-21 130/40 SAT (from hose to tube connector)

| Part number | Description |
|--------------------|--|
| | Tube, fuel delivery, side A |
| WM008195 | Hose 1 (Tubes from the hydraulic, WM002853 & WM002732) |
| WM008213 | Hose 1 (SB) |
| | Tube, fuel delivery, side B |
| WM008211 | Hose 1 (Tube from the hydraulic, WM002672) |

3.8.8 HH C11-32 130/40 SIM (from hose to tube connector)

| Part number | Description |
|--------------------|--|
| | Tube, fuel delivery, side A |
| WM008195 | Hose 1 (Tubes from the hydraulic, WM002500 & WM002734) |
| WM008218 | Hose 2 (Tube from the hydraulic, WM002732) |
| | Tube, fuel delivery, side B |
| WM008211 | Hose 1 (Tubes from the hydraulic, WM002502 & WM002738) |
| WM008217 | Hose 2 (Tube from the hydraulic, WM002736) |

3.8.9 HH C44-42 40/40, 40-60, 60 (from hose to tube connector)

| Part number | Description |
|--------------------|---|
| | Tube, fuel delivery, side A |
| WM008210 | Hose 1 (Tubes from the hydraulic, WM002630 & WM002513 & WM002517) |
| WM008218 | Hose 2 (Tube from the hydraulic, WM002566) |
| | Tube, fuel delivery, side B |
| WM002812 | Hose 1 (Tubes from the hydraulic, WM002520 & WM002510 & WM002672) |
| WM008217 | Hose 2 |

3.8.10 HH C34-32 40/40, C23-21, C22-32 130/40, C11-21 130, C11-31 130 (from hose to tube connector)

| Part number | Description |
|--------------------|------------------------------------|
| | Tube, fuel delivery, side A |
| WM008195 | Hose 1 |
| WM008213 | Hose 1 (C11-21 SB) |
| WM008210 | Hose 1 (C23-21) |
| WM008218 | Hose 2 |
| | Tube, fuel delivery, side B |
| WM008211 | Hose 1 |
| WM008212 | Hose 1 (C23-21) |
| WM008217 | Hose 2 |

3.8.11 HH C33-43 130/40/40, C45-43 (from hose to tube connector)

| Part number | Description |
|--------------------|---|
| | Tube, fuel delivery, side A |
| WM008195 | Hose 1 (Tubes from the hydraulic, WM002630 & WM002513) |
| WM008210 | Hose 1 (C45-43) (Tubes from the hydraulic, WM002630 & WM002513) |
| WM008218 | Hose 2 (Tube from the hydraulic, WM002517) |
| WM008219 | Hose 3 (Tube from the hydraulic, WM002564) |
| | Tube, fuel delivery, side B |
| WM008211 | Hose 1 (Tubes from the hydraulic, WM002510 & WM002672) |
| WM008212 | Hose 1 (C45-43) (Tubes from the hydraulic, WM002510 & WM002672) |
| WM008217 | Hose 2 (Tube from the hydraulic, WM002520) |
| WM008220 | Hose 3 (Tube from the hydraulic, WM002566) |

3.8.12 HH C33-43 SB 130/40/40, C22-32SB 130/40 (from hose to tube connector)

| Part number | Description |
|--------------------|--|
| | Tube, fuel delivery, side A |
| | Tube, fuel delivery, side B |
| WM008211 | Hose 1 (Tubes from the hydraulic, WM002724 & WM002716) |
| WM008217 | Hose 2 (Tube from the hydraulic, WM002726) |
| WM008220 | Hose 3 (Tube from the hydraulic, WM002728) |

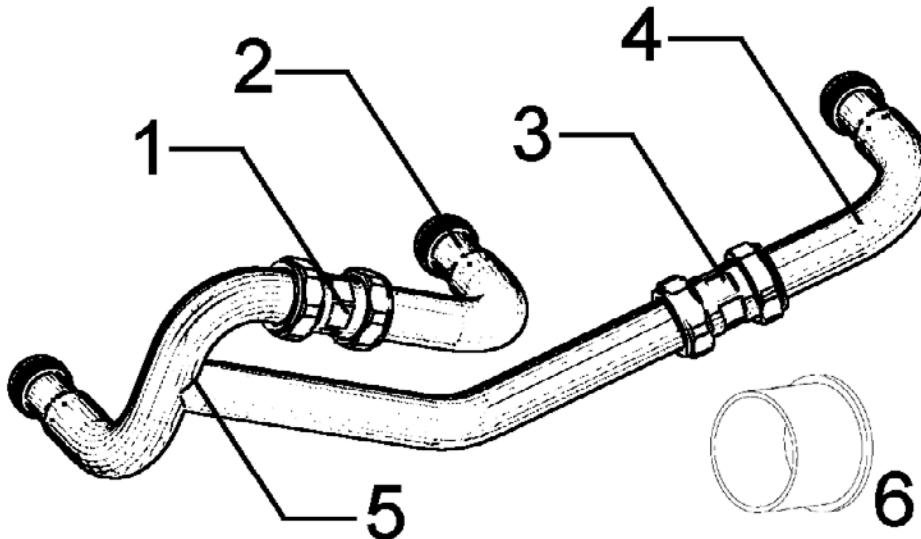
3.8.13 HH C44-44 SB 40, 40-60, 60, 40-70, 70 (from hose to tube connector)

| Part number | Description |
|--------------------|--|
| | Tube, fuel delivery, side A |
| | Tube, fuel delivery, side B |
| WM008212 | Hose 1 (Tube from the hydraulic, WM002716) |
| WM008217 | Hose 2 (Tube from the hydraulic, WM002724) |
| WM008220 | Hose 3 (Tube from the hydraulic, WM002726) |
| WM008222 | Hose 3 (Tube from the hydraulic, WM002728) |

3.8.14 LPG

| | Part number | Description |
|--|--------------------|---|
| | 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 |
| | 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 |
| | WM004189 | Nut M 22-L |

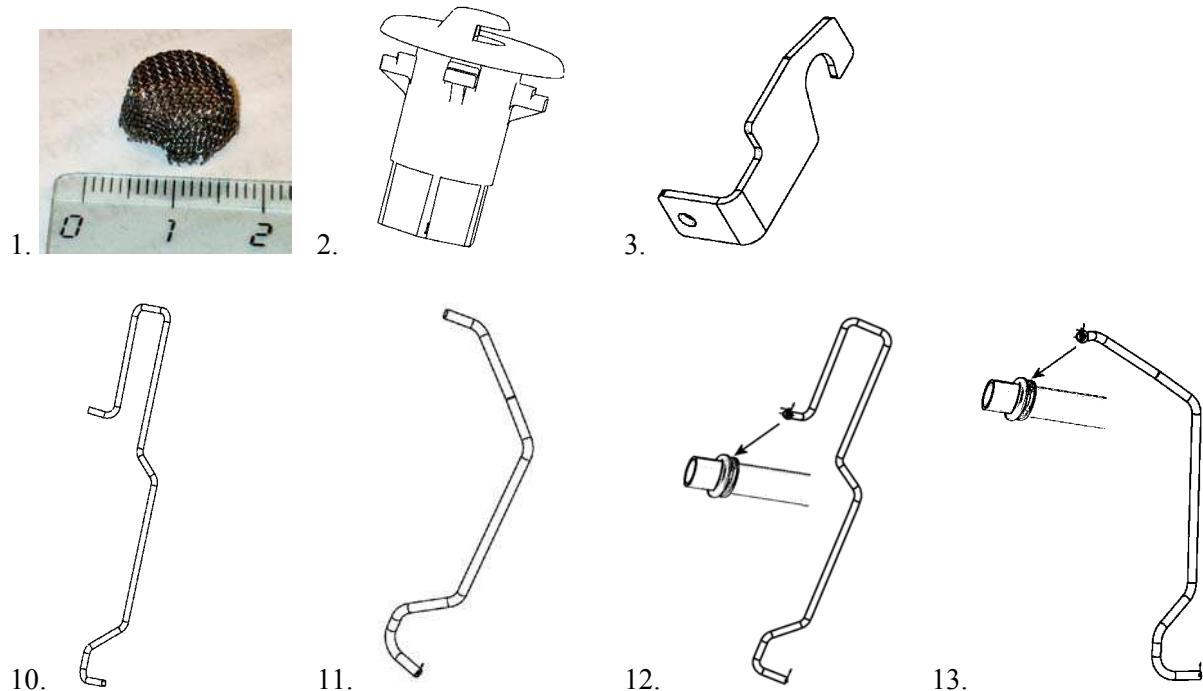
3.8.15 3 connections tube for high capacity pumps



If you want to exchange an old check valve WM005009 you must change the complete connection tube WM003123

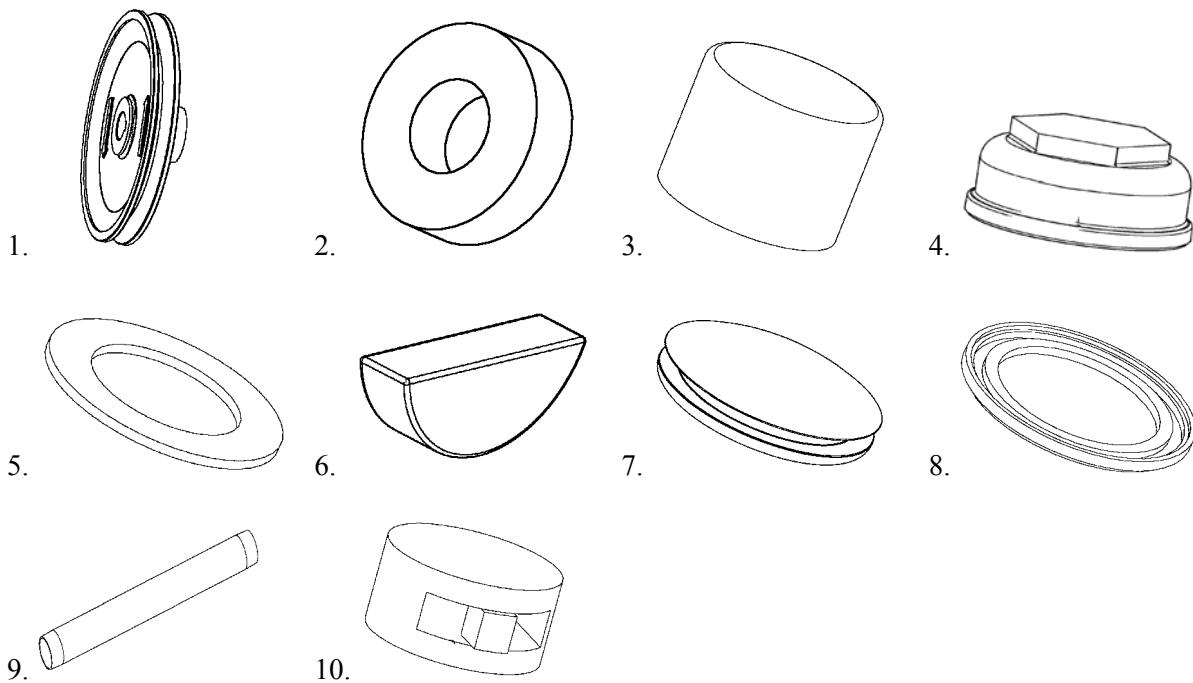
| | Part number | Description |
|---|--------------------|--|
| | WM003123 | 3 connections tube (for high capacity pumps (C11-31 and C11-32)) |
| 1 | WM012008 | Check valve |
| 2 | WM012031 | Tube |
| 3 | WM012008 | Check valve |
| 4 | WM012031 | Tube |
| 5 | WM005562 | Tube (3 connection) |
| 6 | WM009403 | Cap |

3.8.16 Tube, air venting



| | Part number | Description |
|----|--------------------|--|
| | WM011355 | Plug with strainer, for air venting |
| 1 | WM003126 | Strainer (see also plug WM003127) - use WM011355 |
| 2 | WM003127 | Plug (See also strainer WM003126) - use WM011355 |
| 3 | WM005571 | Clip for air venting tube WM003176 and WM004398 |
| 10 | WM003176 | Tube, air venting Global Star LHR and HH (without "single bump") (Air venting kit see page 135 or document WM008901) |
| | WB000211-0002 | Screw, hexagon socket cap, M6 x 45 |
| | WB000212-0001 | Screw, hexagon socket cap, M8 x 20 |
| 11 | WM004398 | Tube, air venting Global Star LHR and HH - Migrol (without "single bump") (Air venting kit see page 135 or document WM008901) |
| | 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 |
| 12 | WM007741 | Tube, air venting Global Star LHR and HH (with "single bump") |
| | WB000408-0001 | Self tapping screw, Torx, pan head, type C ST4,8 (for air venting tube with "single bump") |
| | WB000658-0001 | Washer (for air venting tube with "single bump") |
| 13 | WM008347 | Tube, air venting Global Star LHR and HH - Migrol (with "single bump") |

3.9 Other

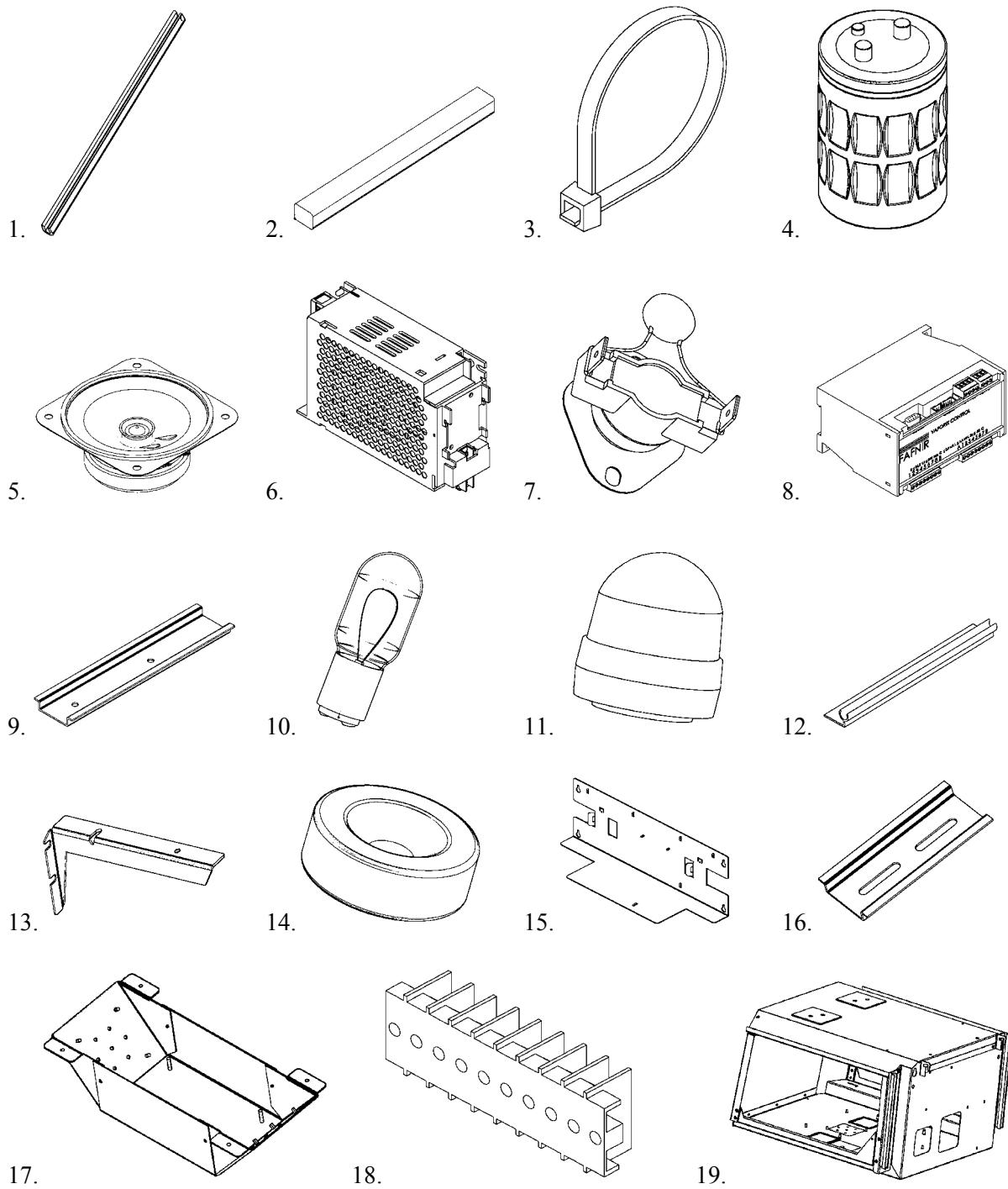


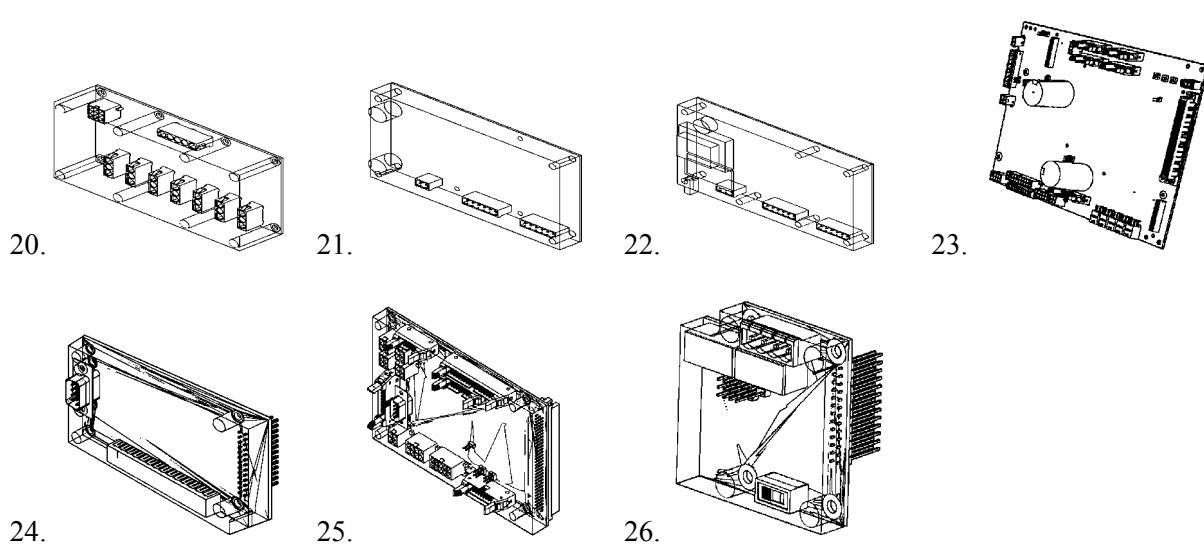
| | Part number | Description |
|----|--------------------|---|
| 1 | WM004303 | Pulley for Z-belt (included spacer) |
| | WM002869 | Pulley for Z-belt (use spacer WM002891) |
| 2 | WM002891 | Spacer hydraulic pulley (see pulley WM002869) |
| 3 | WM003404 | Cap |
| 4 | WM002002 | Cover, machined |
| 5 | WM003350 | Gasket |
| 6 | 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 |
| 7 | WM003405 | Plug, PVC blanking plug |
| 8 | WM003830 | Ring galvanic isolation |
| 9 | WM003765 | Tube dispenser inlet LHR |
| 10 | WM003776 | Seal, lead |



4 Electronic head

4.1 Frameworks electronic head

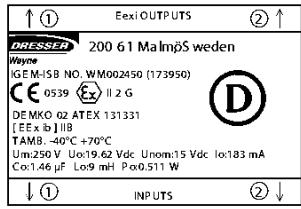
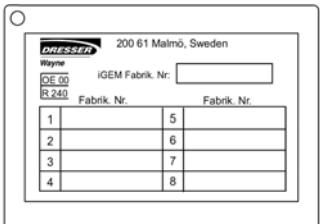


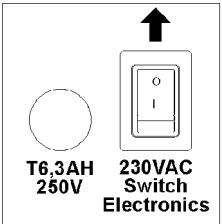
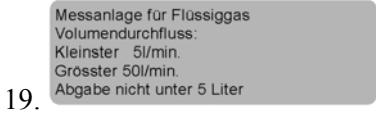


| | Part number | Description |
|----|--------------------|--|
| | WB000275-0001 | Sealant silicon, silirub 2S, dark grey |
| 1 | WB000267-0001 | Edge protector grip range 1.0 - 2.0 THK |
| 2 | WB000269-0001 | Gasket emi shielding, 9.5 x 6.4 |
| 3 | WB000335-0001 | Cable tie W=8.9, L=381 |
| | WB000337-0002 | Cable tie W=3.6, L=203 |
| 4 | WB000362 | Capacitor 150000µF 40V |
| 5 | WM000404 | Speaker 12W, 450HZ - 4KHZ |
| 6 | | Power supply see page 67 |
| 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 (without lamp, use lamp 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 |
| 18 | WM002357 | Terminal block 8-pol (data) |
| 19 | | Support, box shape electronic head generation I |
| | 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 | U WM001908-0001 | CPU board EU full |
| | WM003845-0001 | CPU-board, EU full, pre-approved DE |

| | Part number | Description |
|----|--------------------|---|
| 24 | WM001905 | Vapour recovery board Burkert |
| 25 | WM001904 | Expansion board |
| 26 | WM004360 | Board iGEM isolated interface |
| | | |
| | 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 |

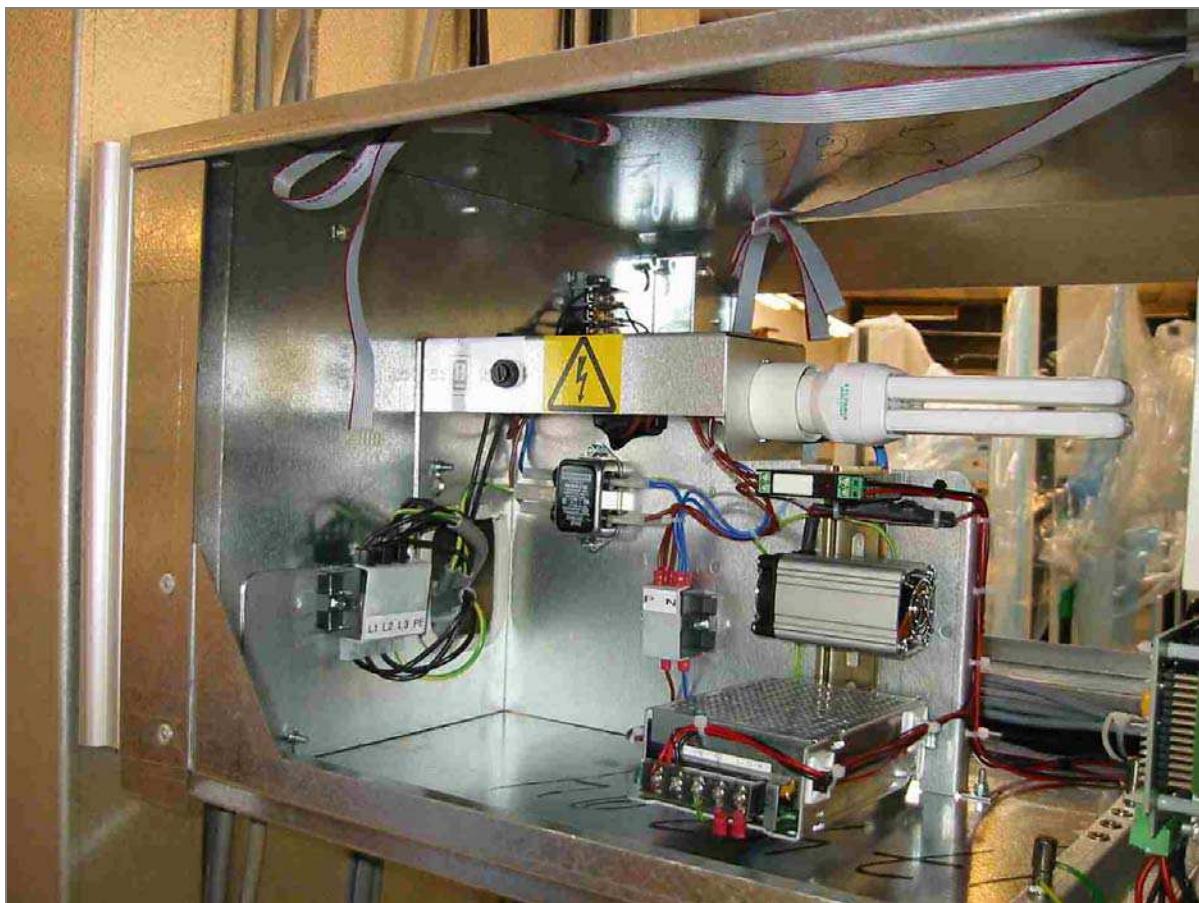
4.2 Labels

1. VOOR WERKEN AAN
POMP SPANNING
AFZETTEN
2. NEPRACOVAT NA ELEKTRICKÉM
ZAŘÍZENÍ PŘI ZAPNUTÉM PROUDU
3. NE PAS TRAVAILLER
SOUS TENSION
4. AN DER ELEKTRISCHEN ANLAGE
NICHT
UNTER SPANNUNG ARBEITEN
5. A. FESZÜLT SÉG ALATT LEVÖ
BEREDEZÉSEN NEM
SZABAD DOLGOZNI
6. TOGLIERE LA TENSIONE
PRIMA DI LAVORARE SULLE
APPARECCHIATURE ELETTRONICHE
7. **PERICOLO!**
IL MOTORE POTREBBE AVVIARSI
ANCHE A PISTOLA RIPOSTA
8. NIE WYKONYWAC ŻADNYCH NAPRAW
INSTALACJI ELEKTRYCZNEJ
POD NAPIĘCIEM
9. NE ODPIRAJ POD
NAPETOSTJO
10. NO TRABAJAR
EN LAS INSTALACIONES
ELÉCTRICAS BAJO TENSIÓN
11.  200 16 Malmö, Sweden
Dichtheitsprüfung durchgeführt
gem. 21.BImSch V VdTÜF 908
Name: Datum:
12. 
13.  Einbautes Gasrückführungssystem
Anlagenkonfiguration 2 gem. VdTÜV-Mbl.908
Zertifikat-Nr.: 85-2.127
Korrekturfaktor: 1,09
Impulsrate: 100 Imp./l
Empfohlene Nachlaufzeit: 2 sec.
Max. Abgabefestung laut Zertifikat: 38 l/min
Empfohlenes Handbediengerät:
Bürkert-Abgleichsystem Typ 1094
14.  ↑ ① Exi OUTPUTS ② ↑
DRESSER 200 61 Malmö, Sweden
Wayne
IGEM-15B NO. WM002450 (173950)
CE 0539 (Ex) II 2 G
DEMKO 02 ATEX 131331
[Ex x IIB]
TAMB: -40°C +70°C
Um:250V Uo:19.62 Vdc Unom:15 Vdc Io:183 mA
Co:1.46 μF Lo:9 mH Po:0.511 W
↓ ① INPUTS ② ↓
15. 
16.  200 61 Malmö, Sweden
Wayne
OE 00
R 240
IGEM Fabrik. Nr. _____
Fabrik. Nr. _____

| | |
|---|---|
| 1 | 5 |
| 2 | 6 |
| 3 | 7 |
| 4 | 8 |
- 17a. 
- 17b. Qmax. 40L/min Abgabe nicht unter 2 Liter
Qmax. 130L/min Abgabe nicht unter 10 Liter
18.  T6,3AH
250V
230VAC
Switch
Electronics
19. 
20. 

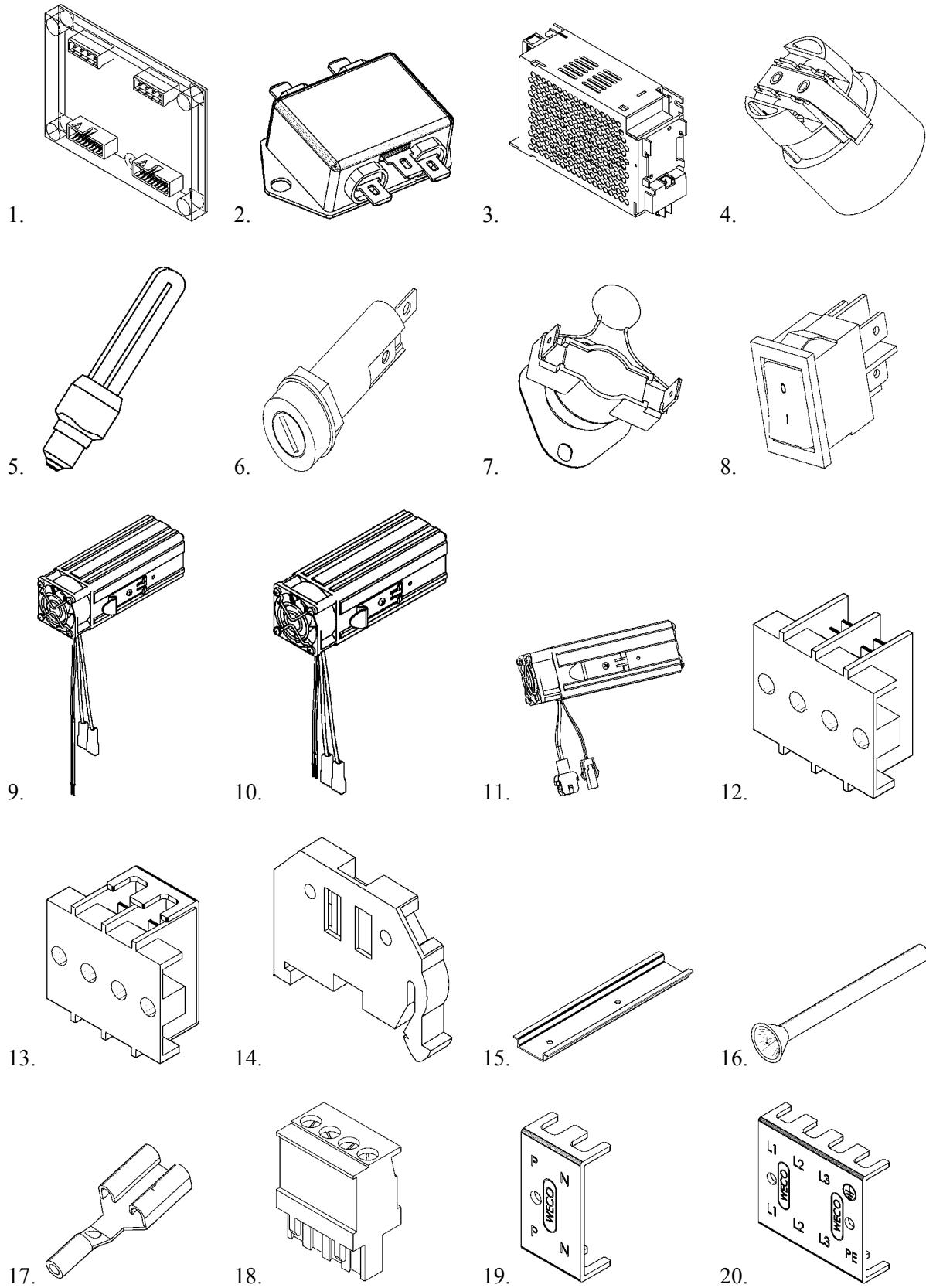
(see also "Junction box", "Instruction label" page 37)

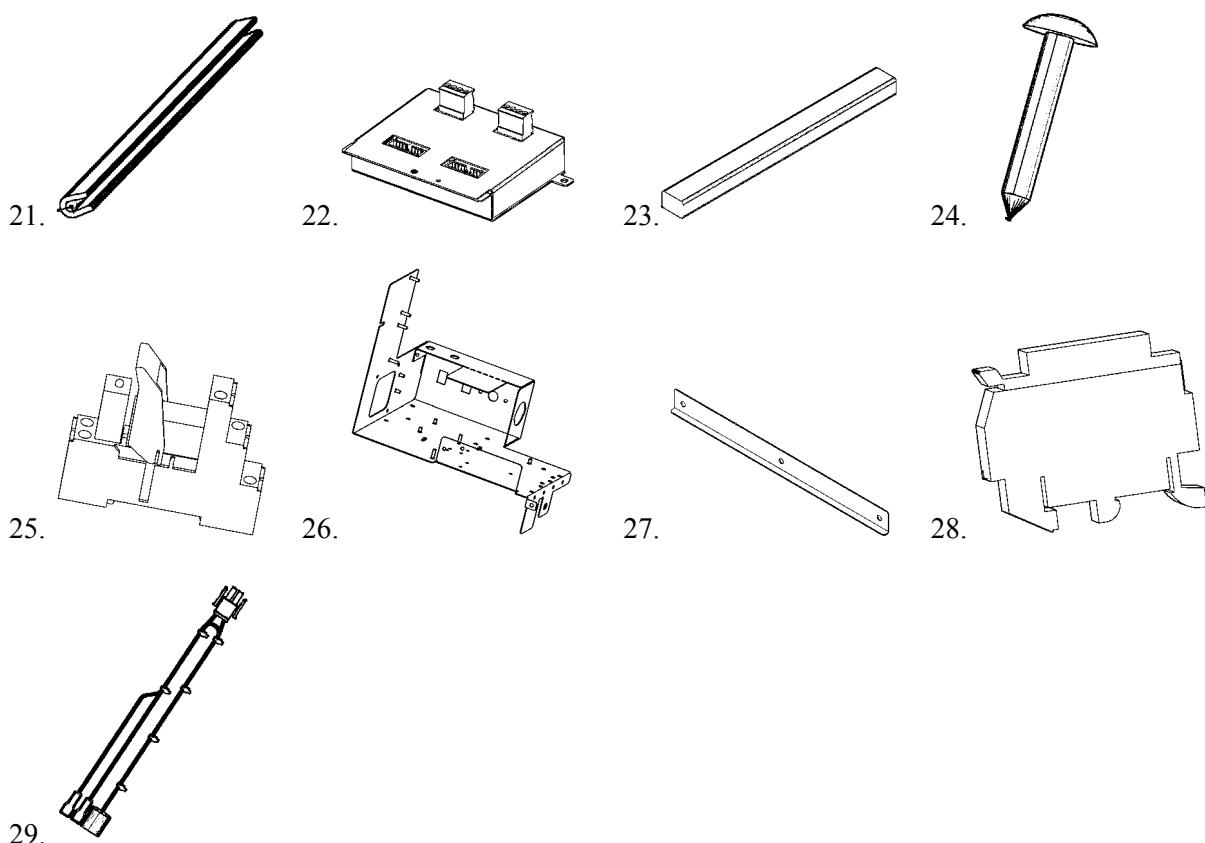
| | Part number | Description |
|-----|--------------------|---|
| | | Instruction label (see also "Junction box", "Instruction label" page 37) |
| 1 | WM004123 | BE |
| 2 | WM004473 | CZ |
| 3 | WM004124 | FR |
| 4 | WM003688 | DE |
| 5 | WM004332 | HU |
| 6 | WM003673 | IT |
| 7 | WM003674 | IT |
| 8 | WM004130 | PL |
| 9 | WM004474 | SI |
| 10 | WM003680 | ES |
| 11 | WM003703 | Identification label (DE) |
| 12 | WM002336 | Sticker |
| 13 | WM003690 | Identification label (DE) |
| 14 | WM004984 | Identification label iGEM ISB 250 V |
| 15 | WM003332 | Sticker high voltage |
| 16 | WM006463 | Aproval label iGEM (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 |



Electronic head generation I.

4.3 Support high voltage

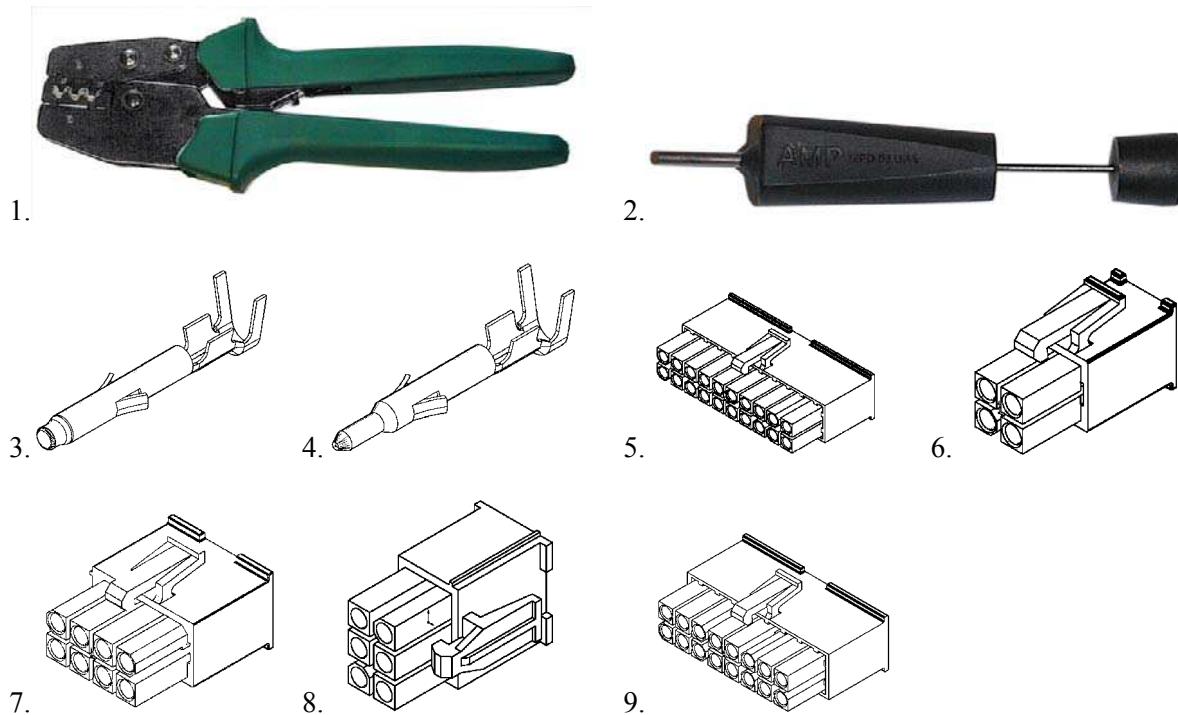




| | Part number | Description |
|----|--------------------|--|
| 1 | WM002389 | Board intrinsic safe barrier |
| 2 | WM000418 | Mains filter 3A |
| 3 | | Power supply |
| | WM000408 | 50W |
| | WM000415 | 100W (see picture) |
| | WM000417 | 150W |
| 4 | WM000689 | Holder, lamp |
| 5 | WM000686 | Lamp |
| 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 |
| | 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 |

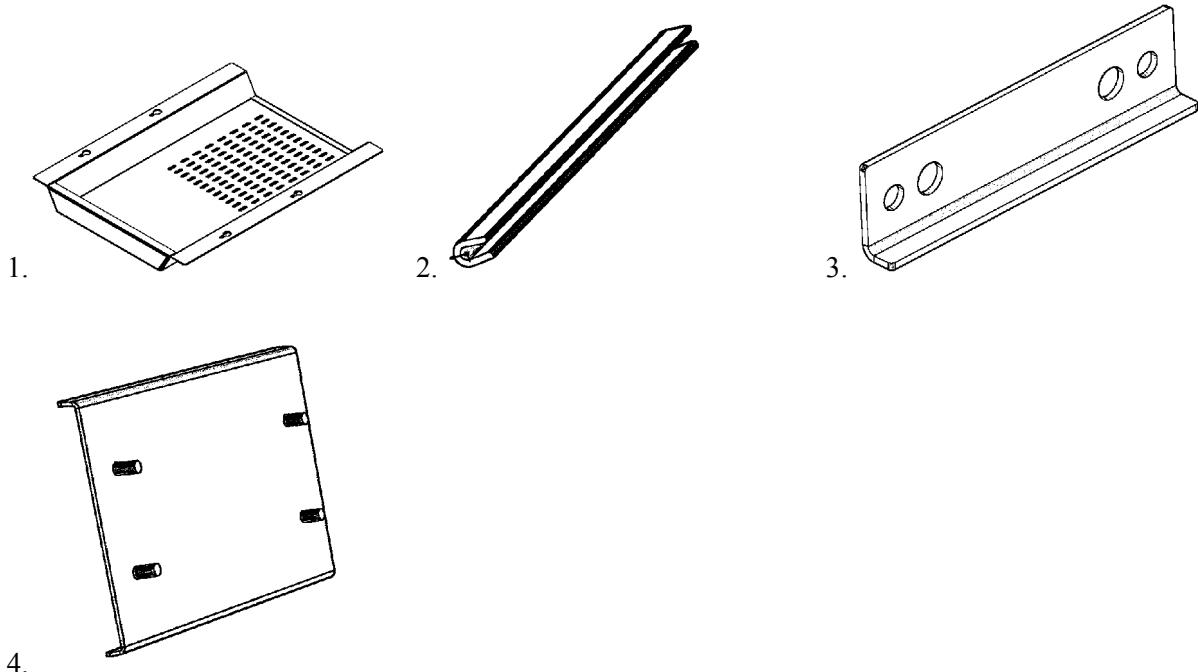
| | Part number | Description |
|----|--------------------|---|
| 21 | WB000267-0001 | Edge protector grip range 1.0 - 2.0 THK |
| 22 | WM002450 | Intrinsic safe barrier |
| | WM002423 | Housing intrinsic safe barrier |
| 23 | WB000269-0001 | Gasket EMI shielding, 9.5 x 6.4 |
| 24 | WM002362 | Pin |
| 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) |
| | 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 |

4.4 Tools, connectors ...



| | 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 |
| | | Connector |
| 5 | WM003347 | Cable, mini umnl 20 pin (2x10) (for valves) |
| 6 | WM002592 | Cable, mini umnl 4 pin (2x2) (for power / spare outputs) |
| 7 | WM002590 | Cable, mini umnl 8 pin (2x4) (for motors) |
| 8 | WM005227 | Cable, mini umnl 6 pin (2x3) |
| 9 | WM002587 | Cable, mini umnl 16 pin (2x8) (for nozzle switch) |

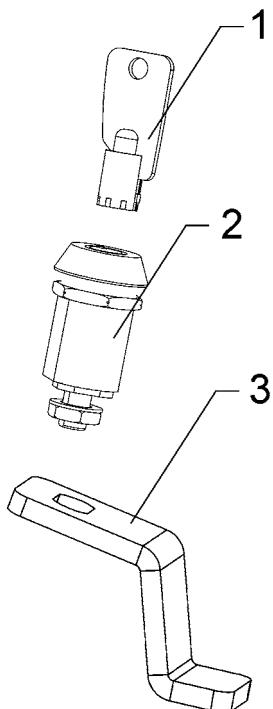
4.5 Other



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

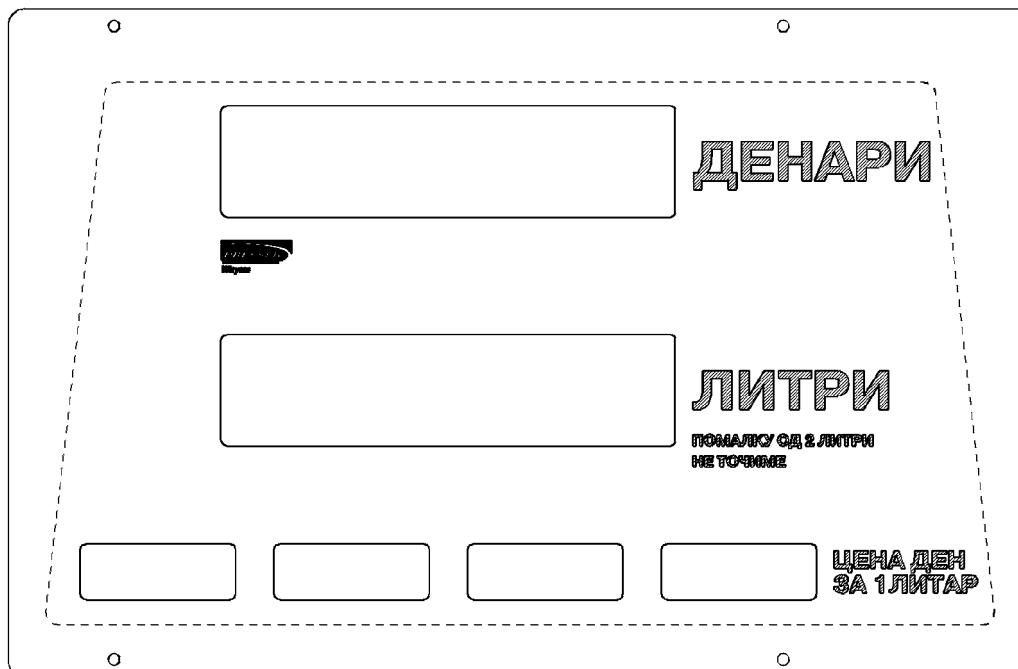
5 Front panel

5.1 Lock



| | Part number | Description |
|---|--------------------|--|
| 1 | WM003119 | Key for WM001994-0002 |
| 2 | | Lock |
| | WM001994-0002 | Std (without key, use WM003119) |
| | WM001994-0001 | Lock individually keyed (include 2 keys) |
| 3 | WM002214 | Latch for front panel |

5.2 Dial face

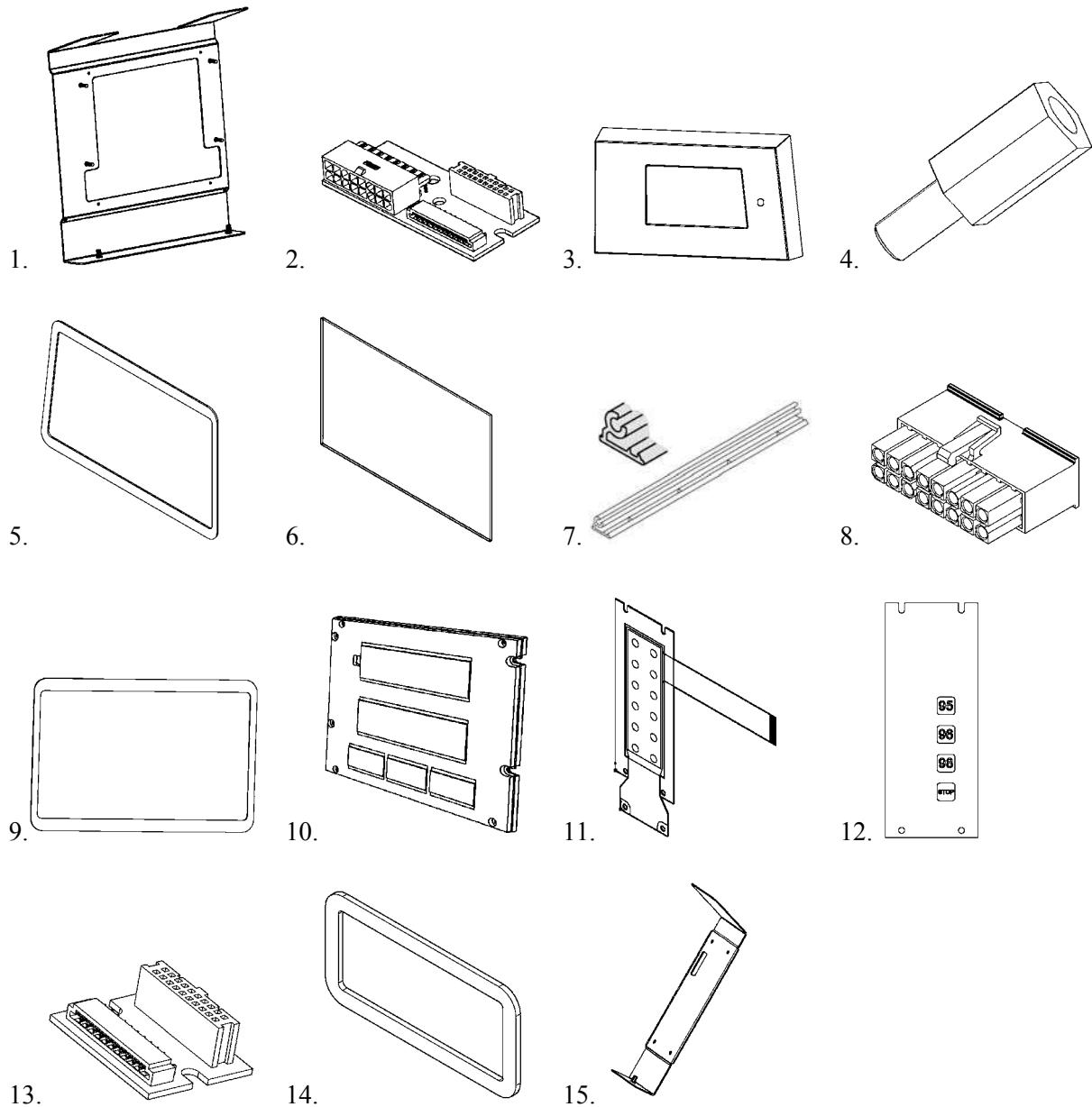


| Country | 1 UPD | 2 UPD | 3 UPD | 4 UPD | |
|---------------|---------------|---------------|---------------|---------------|--------|
| AO | 177394 | 177395 | 177396 | 177397 | |
| AT | 176507 | 176508 | 176509 | 176510 | |
| AT | 177511 | 177512 | 177513 | 177514 | Conoco |
| AU | 175691 | 175692 | 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 | |
| EE | WE000694-0001 | WE000694-0002 | WE000694-0003 | WE000694-0004 | |
| ES | 176731 | 176732 | 176733 | 176734 | |
| ES Catalan | 177779 | 177780 | 177781 | 177782 | |
| FI | 175351 | 175352 | 175353 | 175354 | |
| FO | 178012 | 178013 | 178014 | 178015 | |
| FR | 176771 | 176772 | 176773 | 176774 | |
| GR | WE001273-0001 | WE001273-0002 | WE001273-0003 | WE001273-0004 | |
| HR | 176442 | 176443 | 176444 | 176445 | |
| HR | WE000654-0001 | WE000654-0002 | WE000654-0003 | WE000654-0004 | |
| HU | 176460 | 176461 | 176462 | 176463 | |
| IE | 176281 | 176282 | 176283 | 176284 | |
| IE | WE000627-0001 | WE000627-0002 | WE000627-0003 | WE000627-0004 | |
| IL | WE000635-0001 | WE000635-0002 | WE000635-0003 | WE000635-0004 | |
| IT | 176721 | 176722 | 176723 | 176724 | |
| IT | WE000630-0001 | WE000630-0002 | WE000630-0003 | WE000630-0004 | |

| | | | | | |
|-------------|---------------|---------------|---------------|---------------|-----|
| LT | 175646 | 175647 | 175648 | 175649 | |
| LV | 175951 | 175952 | 175953 | 175954 | |
| MD | 176631 | 176632 | 176633 | 176634 | |
| MD | WE000657-0001 | WE000657-0002 | WE000657-0003 | WE000657-0004 | |
| MK | 176474 | 176474 | 176474 | 176474 | |
| NL | 176417 | 176418 | 176419 | 176420 | |
| NL | 176417 | 176418 | 176419 | 176420 | |
| NL | WE001293-0001 | WE001293-0002 | WE001293-0003 | WE001293-0004 | LPG |
| NO | 176211 | 176212 | 176213 | 176214 | |
| NO | WE000636-0001 | WE000636-0002 | WE000636-0003 | WE000636-0004 | |
| PL | 175366 | 175367 | 175368 | 175369 | |
| PL | WE000695-0001 | WE000695-0002 | WE000695-0003 | WE000695-0004 | |
| PT | 176546 | 176547 | 176548 | 176549 | |
| RO | 176569 | 176570 | 176571 | 176572 | |
| RO (LPG) | 176657 | 176658 | 176659 | 176660 | |
| RO | WE000656-0001 | WE000656-0002 | WE000656-0003 | WE000656-0004 | |
| RU | 175732 | 175733 | 175734 | 175735 | |
| SE | 175341 | 175342 | 175343 | 175344 | |
| SE | WE000647-0001 | WE000647-0002 | WE000647-0003 | WE000647-0004 | |
| SI | 176492 | 176493 | 176494 | 176495 | |
| SK | 176483 | 176484 | 176484 | 176486 | |
| UA | 175321 | 175322 | 175323 | 175324 | |
| UK | WE000890-0001 | WE000890-0002 | WE000890-0003 | WE000890-0004 | |
| UK | WE000634-0001 | WE000634-0002 | WE000634-0003 | WE000634-0004 | |
| USA | WE000877-0001 | WE000877-0002 | WE000877-0003 | WE000877-0004 | |
| YU | 176751 | 176752 | 176753 | 176754 | |
| YU € | 176617 | 176618 | 176619 | 176620 | |
| Serb/Mont | 176617 | 176618 | 176619 | 176620 | |

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

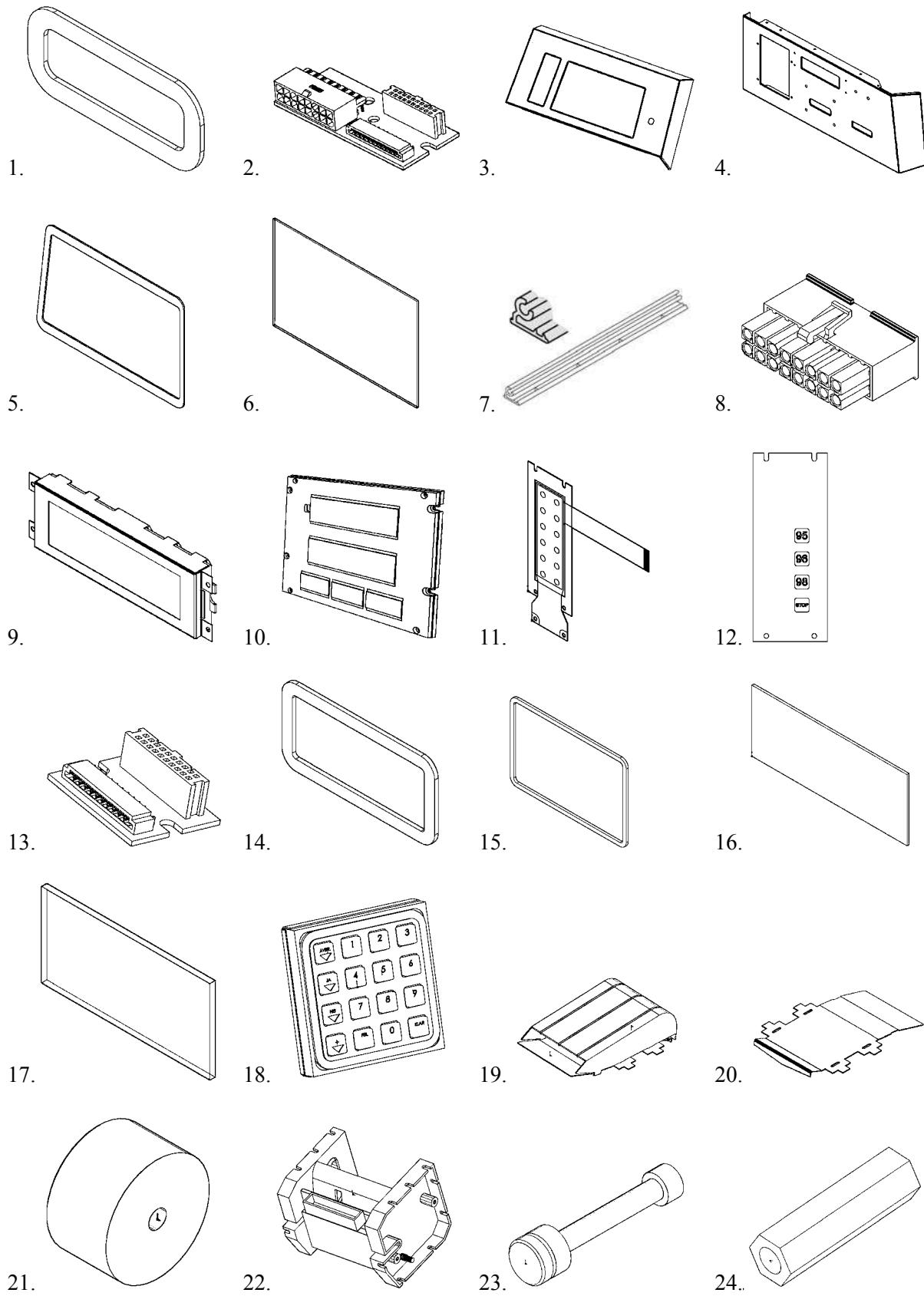
5.3 Front panels without PT

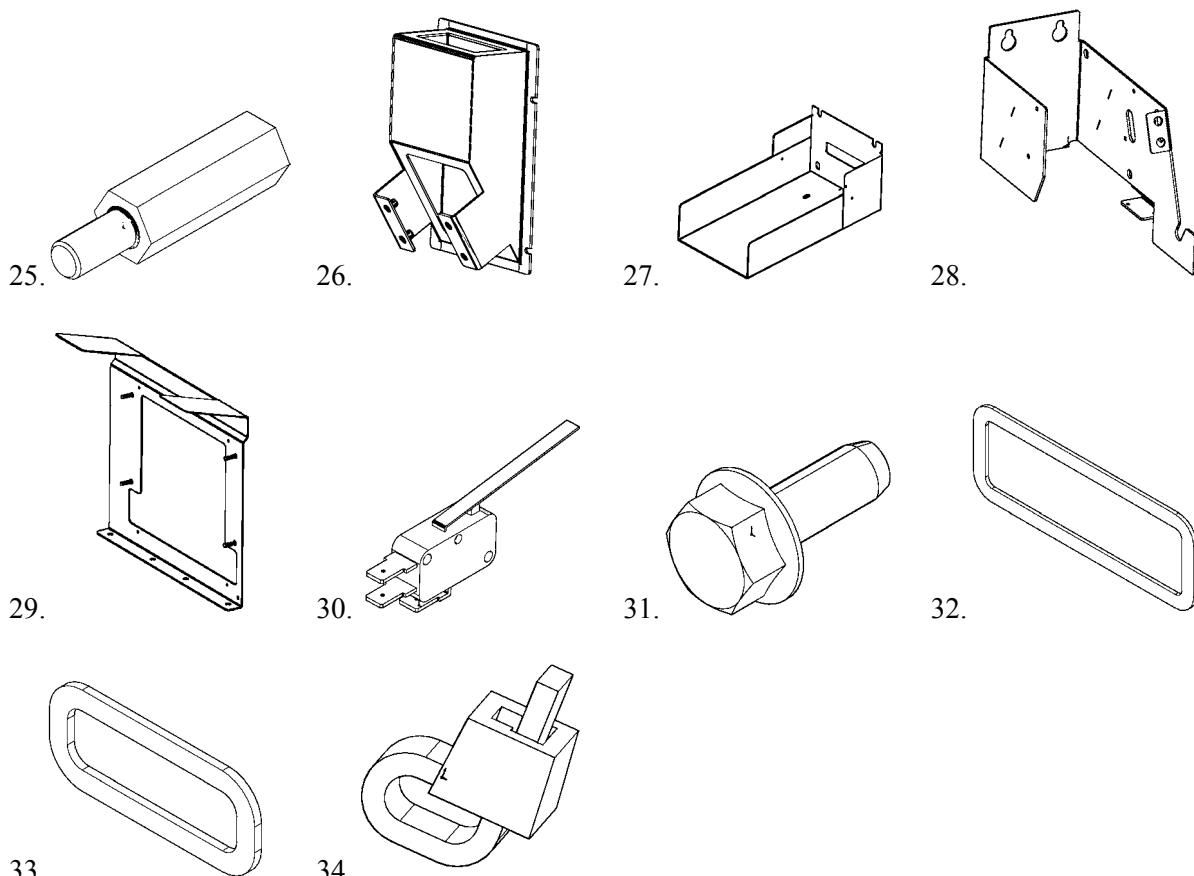


| | Part number | Description |
|---|--------------------|--|
| 1 | WM002150 | Support, U-shape |
| 2 | WM002205 | Board connection |
| 3 | | Front panel, side A |
| | WM002246-0001 | Std (96 deg) |
| | WM002246-0003 | Functional keyboard (96 deg) |
| | WM002246-0002 | Single sided (96 deg) |
| | WM003188-0001 | 90 deg std |
| | WM008625-0001 | 90 deg, ultramarine blue RAL 5002 |
| | WM003188-0002 | 90 deg, functional keyboard |
| | WM008625-0003 | 90 deg, functional keyboard, ultramarine blue RAL 5002 |
| | WM003188-0003 | 90 deg, single sided |
| | WM008625-0005 | 90 deg, single sided, ultramarine blue RAL 5002 |
| | | Front panel, side B |

| | Part number | Description |
|----|--------------------|---|
| | WM002247-0001 | Std (96 deg) |
| | WM002247-0003 | Functional keyboard (96 deg) |
| | WM002247-0002 | Single sided (96 deg) |
| | WM003190-0001 | 90 deg std |
| | WM008625-0002 | 90 deg, ultramarine blue RAL 5002 |
| | WM003190-0002 | 90 deg, functional keyboard |
| | WM008625-0004 | 90 deg, functional keyboard, ultramarine blue RAL 5002 |
| | WM003190-0003 | 90 deg, single sided |
| | WM008625-0006 | 90 deg, single sided, ultramarine blue RAL 5002 |
| 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 | WM004973 | Gasket 175x71, T=2, W=8 |
| 15 | WM005684 | Support, U-shape for functional keyboard |
| | WB000280-0001 | Screw, CSK socket CAP, M4 X 8 |
| | 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 |

5.4 Frontpanels with PT3000



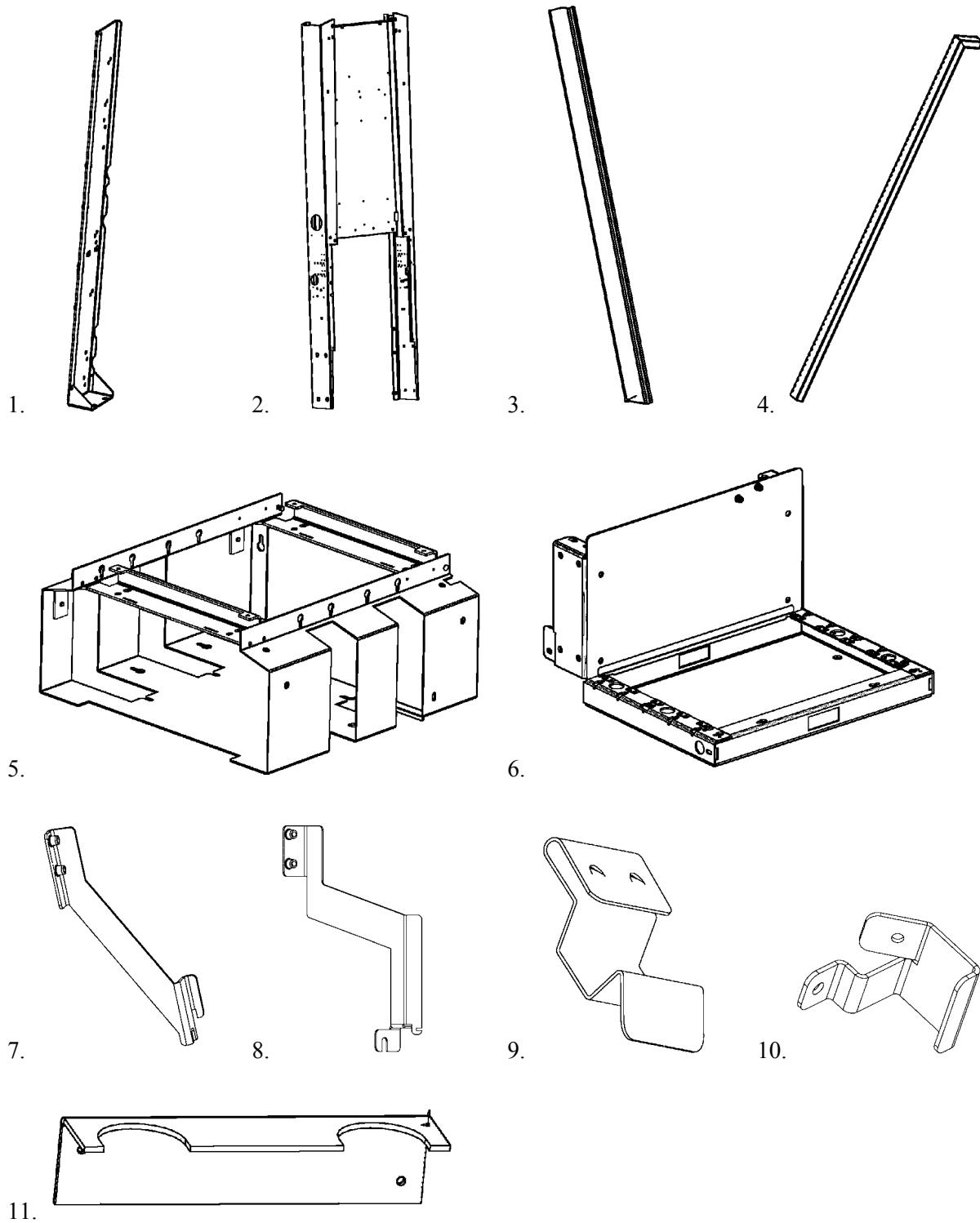


| | Part number | Description |
|----|--------------------|--|
| 1 | WM002494 | Gasket |
| 2 | WM002205 | Board connection |
| 3 | | Front panel, side A |
| | WM002375-0003 | Functional keyboard PT (see figure) |
| | WM002375-0002 | Side A PT |
| | WM002375-0001 | Side A single sided PT |
| | | Front 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 |
| | 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 |

| | Part number | Description |
|----|--------------------|---|
| 12 | see page 76 | Keyboard label |
| 13 | WM001826 | Board (keyboard) |
| 14 | WM004973 | Gasket 175x71, T=2, W=8 |
| 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 |
| | 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 |

6 Hose handling

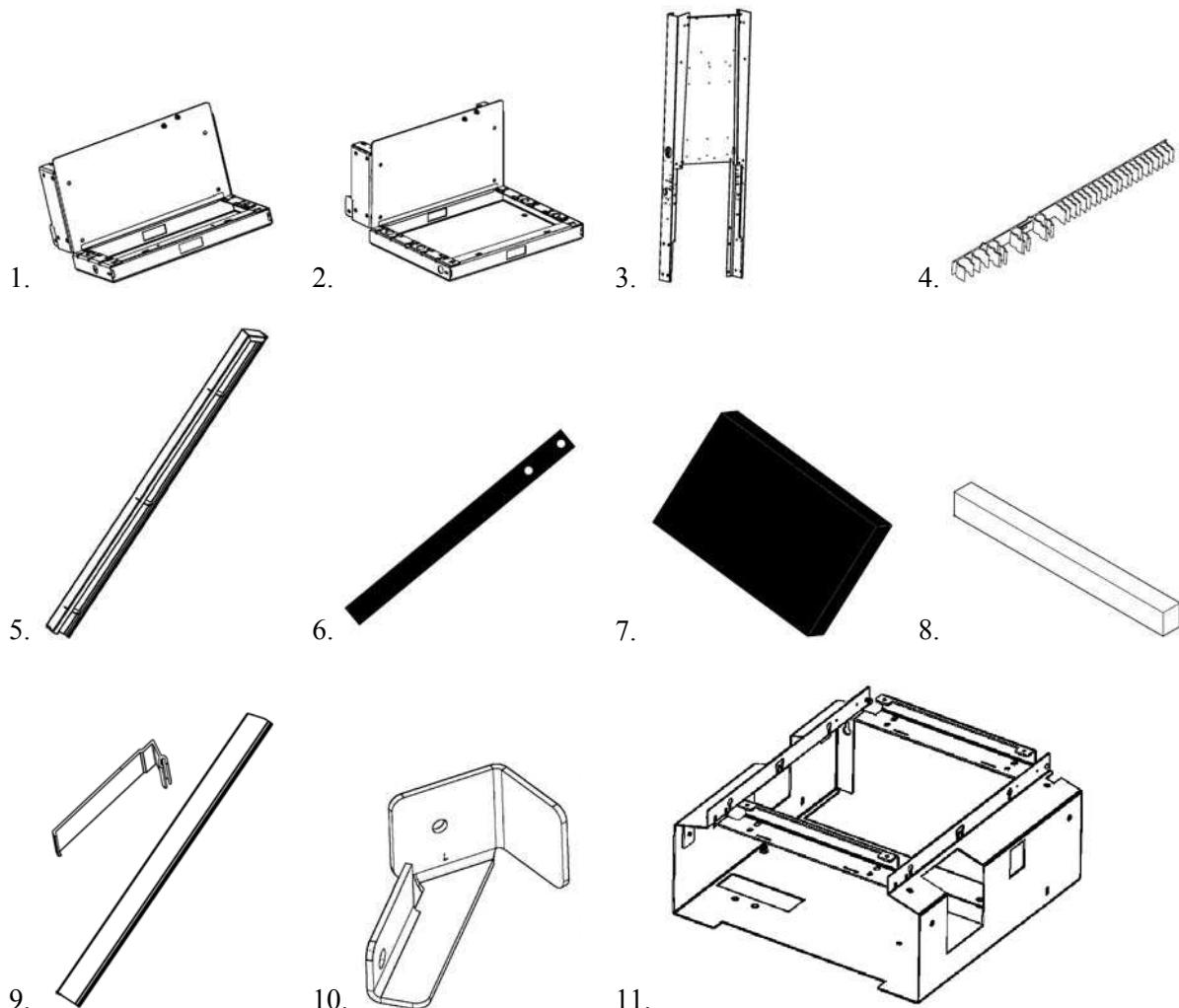
6.1 Framework hose handling, LHR



Sealing barrier see page 121

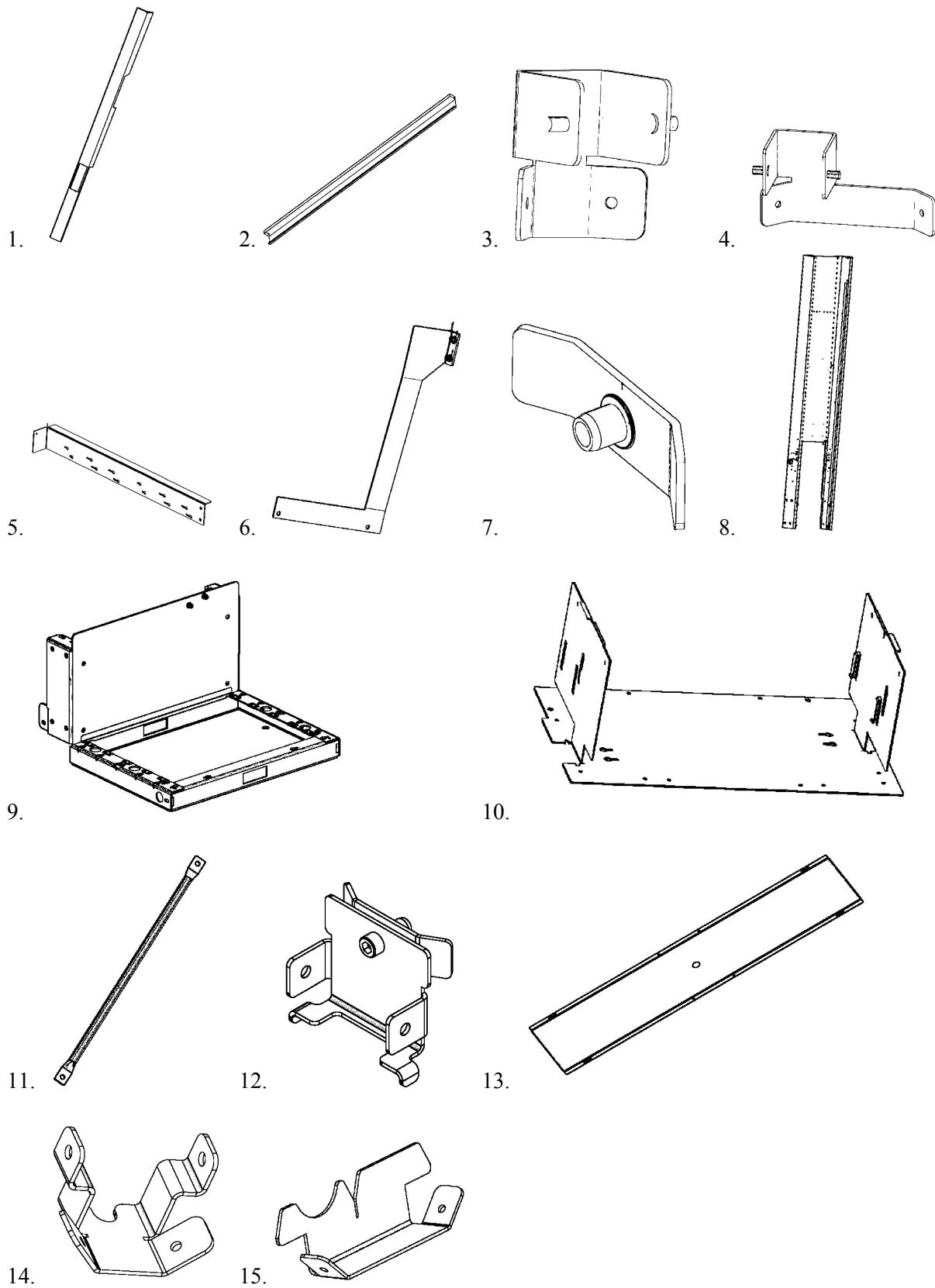
| | Part number | Description |
|----|--------------------|--|
| | WM007590 | Shortened Hose Reach (see also document WM007588) |
| 1 | WM001790 | Support, L-shape |
| | WB000215-0001 | Pop-nut, open, low profile CSK, M4, grip range 0.5 - 2.0 |
| | WB000256-0002 | Pop rivet, dome head, 3.2 diameter, 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 (see also Support U-shape WM002137) |
| | WM001973-0001 | Side A 75 deg |
| | WM001973-0002 | Side B 75 deg |
| | | LPG see page 82 |
| 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 |
| | WM003674 | 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 |
| 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 (Assembly instruction, see drawing WM008429-0001 and WM008429-0002) |
| | WB000295-0001 | Self tapping screw, Torx, pan head, type F ST5,5 x 22 |
| | WB000250-0001 | Self tapping screw, Torx, pan head, type C ST5,5 x 19 |
| 11 | WM004639 | Support, L-shape |
| | 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 |
| | WB000401-0002 | Screw, CSK socket cap, M8 x 12 |

6.2 Framework hose handling, Global Star LPG



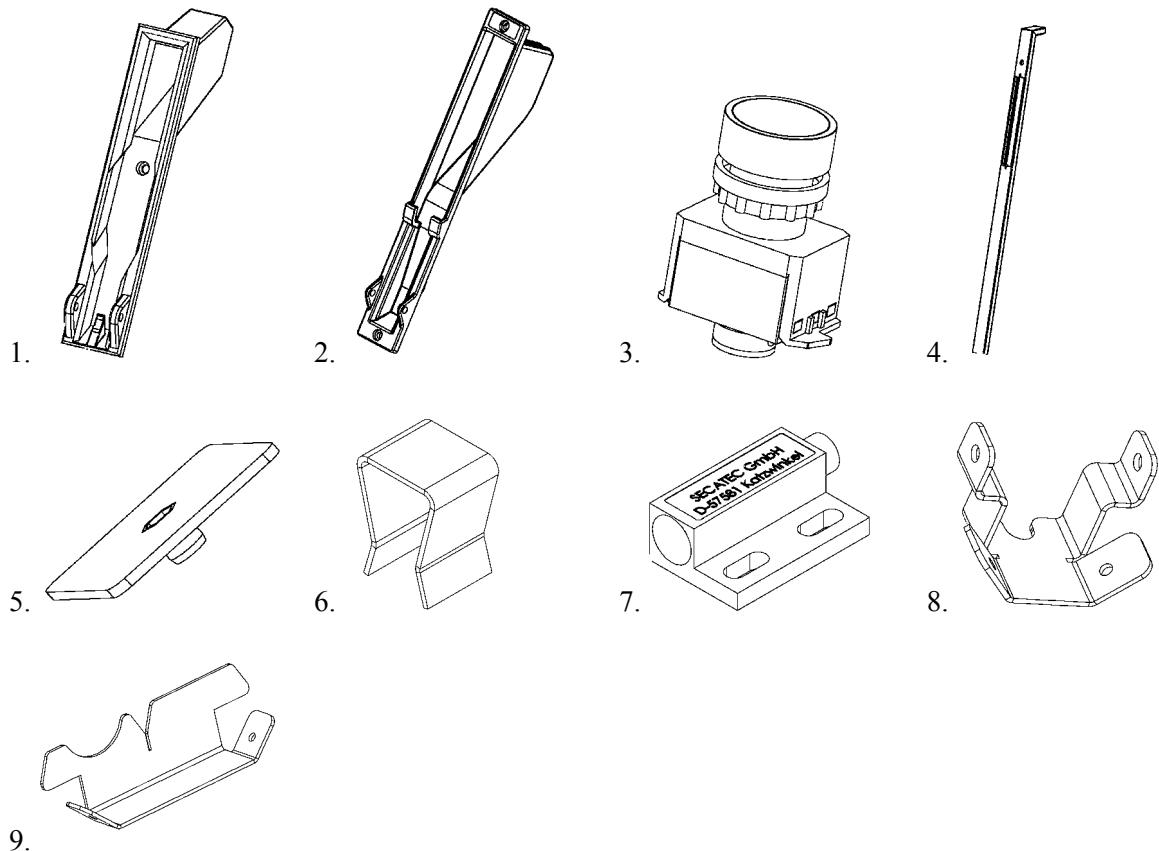
| | Part number | Description |
|----|--------------------|--|
| | WM003790 | Sealant silicon, translucent |
| 1 | WM002329 | Base, hose handling, 1 module |
| 2 | WM002330 | Base, hose handling, 2 modules |
| 3 | WM002317 | Blind column |
| 4 | WM001061 | Clamp |
| 5 | WM003394 | Corner column, side 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 |
| | | |
| | 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 |

6.3 Framework hose handling, Global Star HH



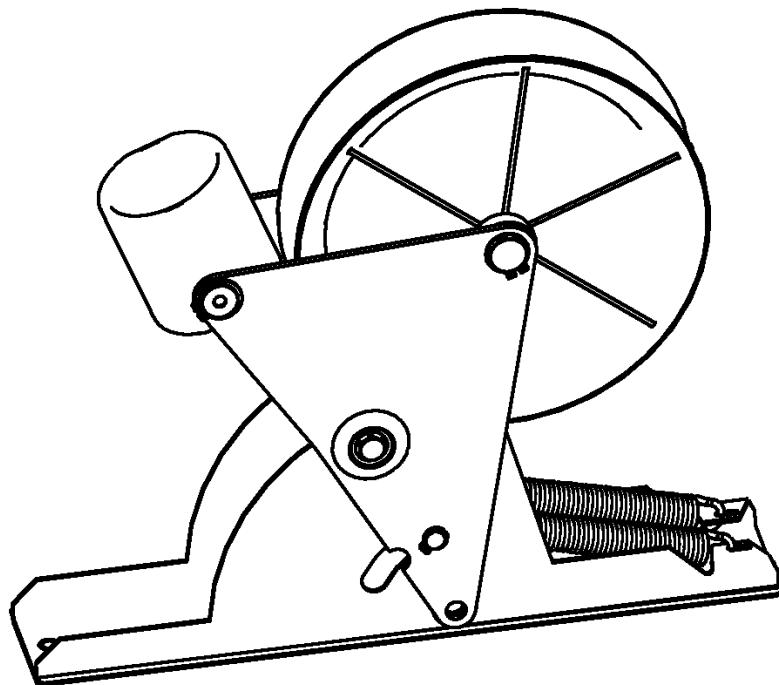
| | Part number | Description |
|----|--------------------|---|
| 1 | | Panel, blind column |
| | WM007116 | A-side |
| | WM007117 | B-side |
| | WM008624-0001 | Side A l=2149 mm CONOCO |
| | WM008624-0002 | Side B l=2149 mm CONOCO |
| 2 | | Column corner |
| | WM008044 | Std |
| | WM008623-0001 | Side A L=2148 mm CONOCO |
| | WM008623-0002 | Side B L=2148 mm CONOCO |
| 3 | WM007894 | Holder stay nozzle column |
| 4 | WM008298 | Holder stay 140mm |
| 5 | WM004316 | Holder VR sep. tank |
| 6 | WM008032 | Holder VR sep. tank standing |
| 7 | WM007897 | Support diver panel |
| 8 | WM007115 | Blind Column |
| 9 | | Base, hose handling |
| | WM002329 | 1 module std |
| | WM002330 | 2 modules std |
| | WM002331 | 3 modules std |
| | WM002332 | 4 modules std |
| | WM002791-0009 | 1 module blue RAL 5002 |
| | WM002791-0010 | 2 modules blue RAL 5002 |
| | WM002791-0011 | 3 modules blue RAL 5002 |
| | WM002791-0012 | 4 modules blue RAL 5002 |
| 10 | | Top panel, hose handling |
| | WM007103-0001 | 1 module, traffic black RAL 7021 |
| | WM007103-0002 | 2 module, traffic black RAL 7021 |
| | WM007103-0003 | 3 module, traffic black RAL 7021 |
| | WM007103-0004 | 4 module, traffic black RAL 7021 |
| | WM007103-0005 | 1 module, signal yellow RAL 1003 |
| | WM007103-0006 | 2 module, signal yellow RAL 1003 |
| | WM007103-0007 | 3 module, signal yellow RAL 1003 |
| | WM007103-0008 | 4 module, signal yellow RAL 1003 |
| 11 | WE000466 | Stay, L=438 |
| 12 | WE000465 | Support, U-shape, blind panel, assembly |
| 13 | WE000462 | Blind panel, l=1877 |
| 14 | WM002138 | Support, U-shape |
| 15 | WM002448 | Support, L-shape |

6.4 Column Global Star LHR



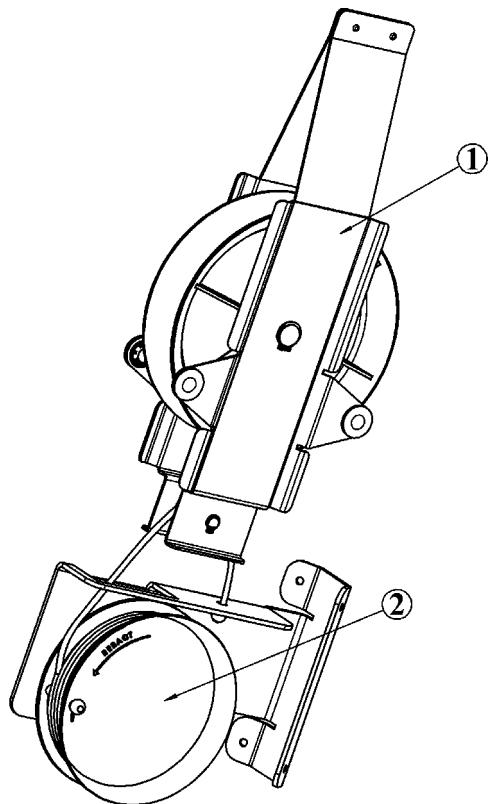
| | Part number | Description |
|---|---------------------------|--|
| | WM003160 | Sealant loxeal 58-11, thread sealant |
| | | Nozzle boot |
| 1 | WM002659 | AL, auto-on |
| 2 | WB000292 | Plastic, auto-on |
| | WM005726 | Decal, cover plastic nozzle boot (Grey RAL 7045) |
| 3 | | Push-button |
| | 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 WM008412 | Width 75 mm, for AL nozzle boot, WM002659, 3 buttons 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 nozzle boot, WB000292, 3 buttons |
| | WM001962-0001 452982 | Width 140 mm (LPG) Width 75 mm (without nozzle and button holes) |
| 5 | WM003277 | Support, flat (holder for AL nozzle 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 | WM002448 | Support, L-shape |
| | 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 |

6.4.1 Upper hose retraction module, Global Star LHR



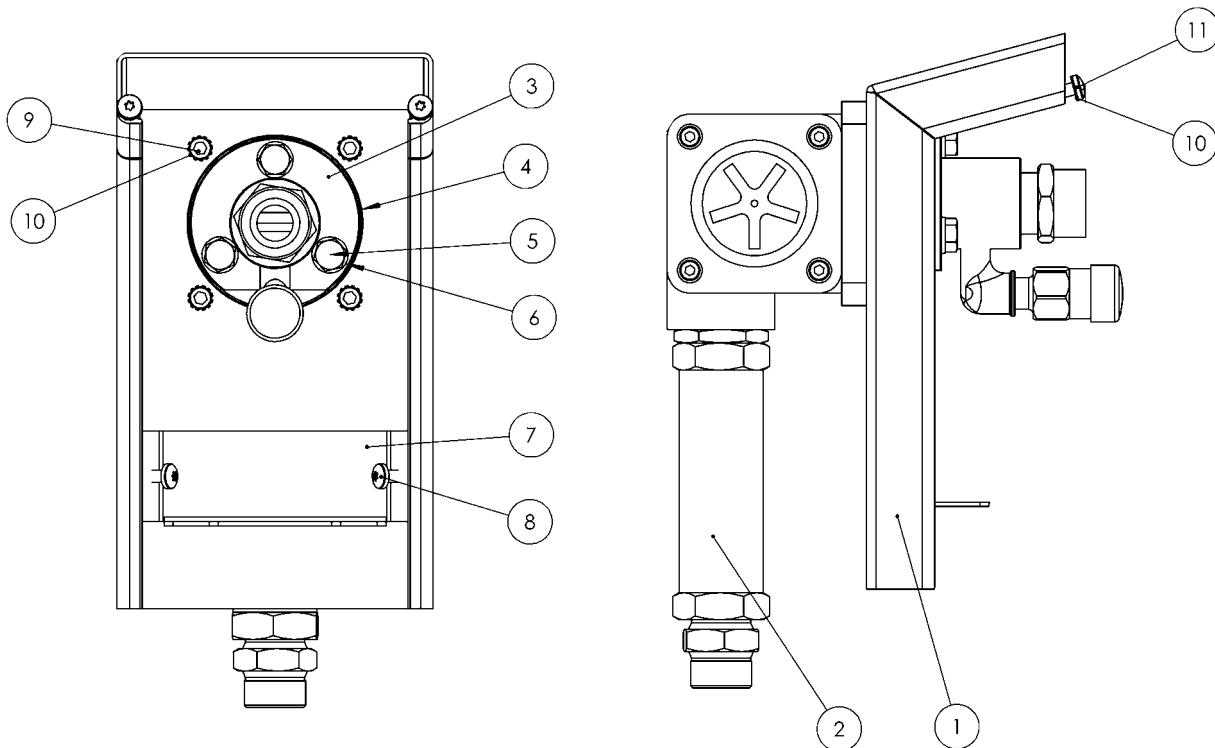
| | Part number | Description |
|--|--------------------|------------------------------|
| | WM008378 | Upper hose retraction module |

6.4.2 Lower hose retraction module. Global Star LHR

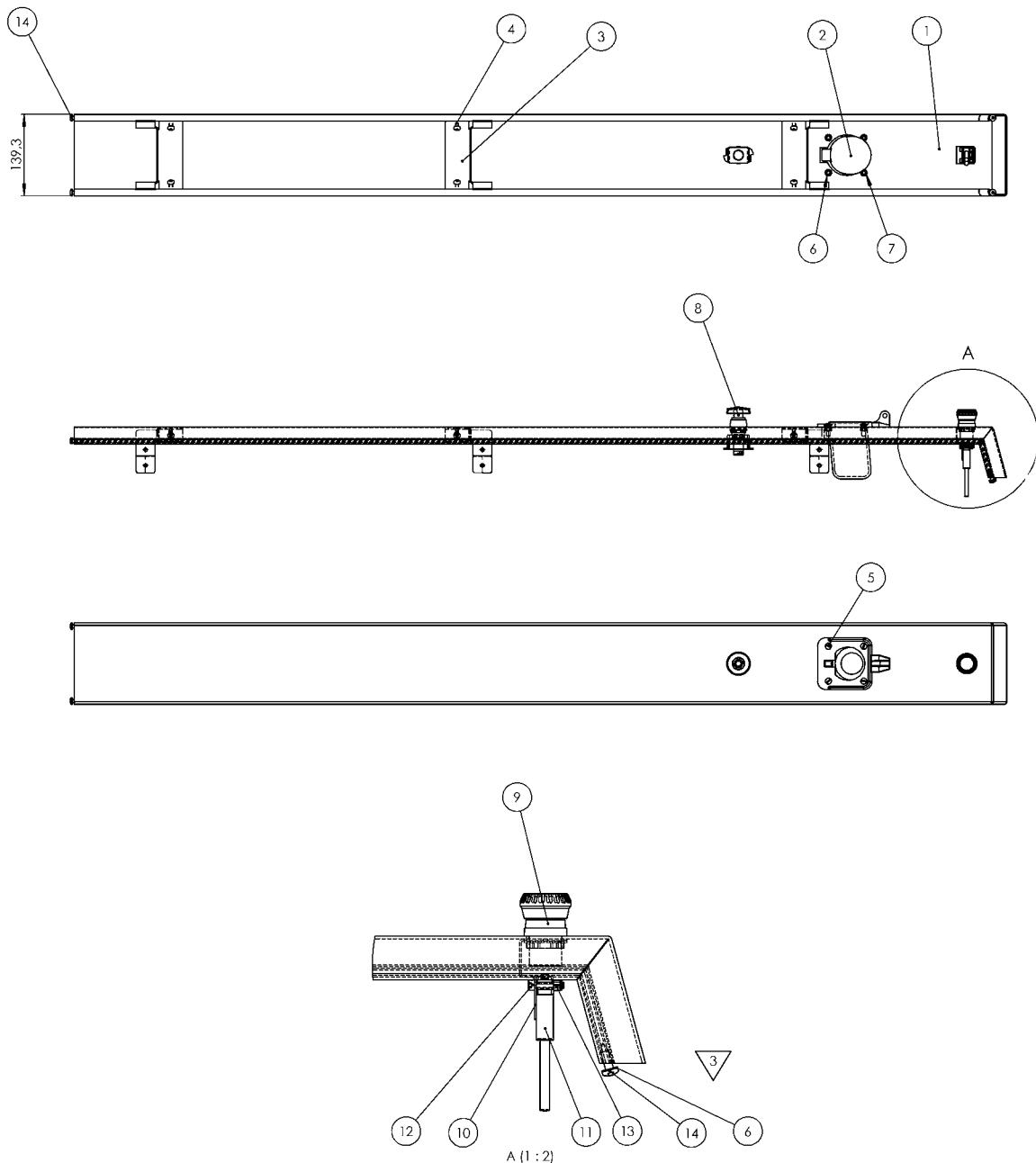


| | Part number | Description |
|---|---------------|-------------------------------------|
| 1 | WM007745 | Lower hose retraction module |
| 2 | | Lower hose retraction module |
| | WM007740-0001 | 10kg |
| | WM007740-0002 | 8kg (use 10 kg) |
| | WM007740-0003 | Single side, 10kg |
| | WM007740-0004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

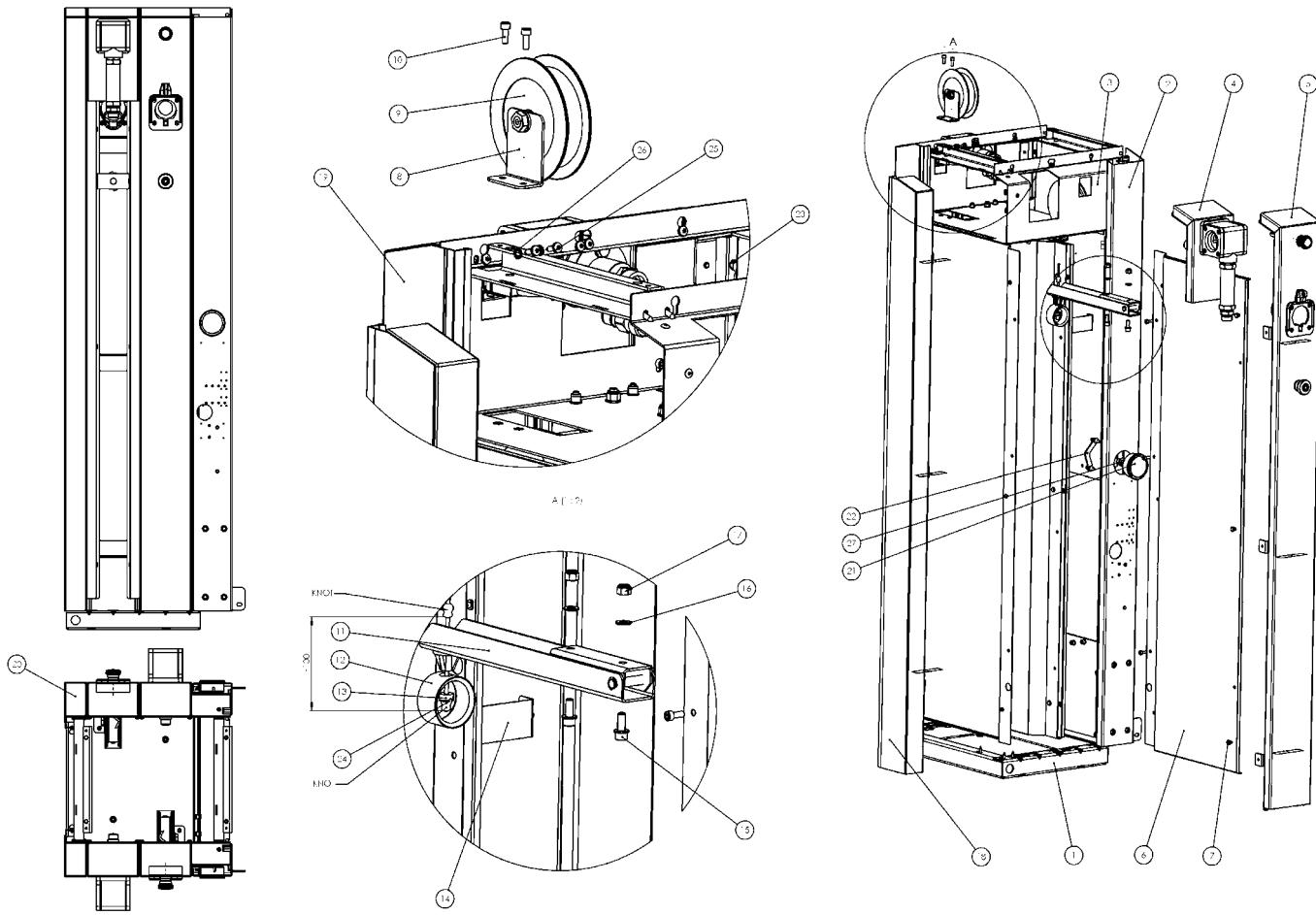
6.5 Column Global Star LPG - Lane



| | 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 loxéal 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 loxéal 58-11, thread sealant |
| 4 | WM003372 | Gasket flange sight glass (see also document 461406) |
| 5 | WB000212-0004 | Screw, hexagon socket cap, 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 |

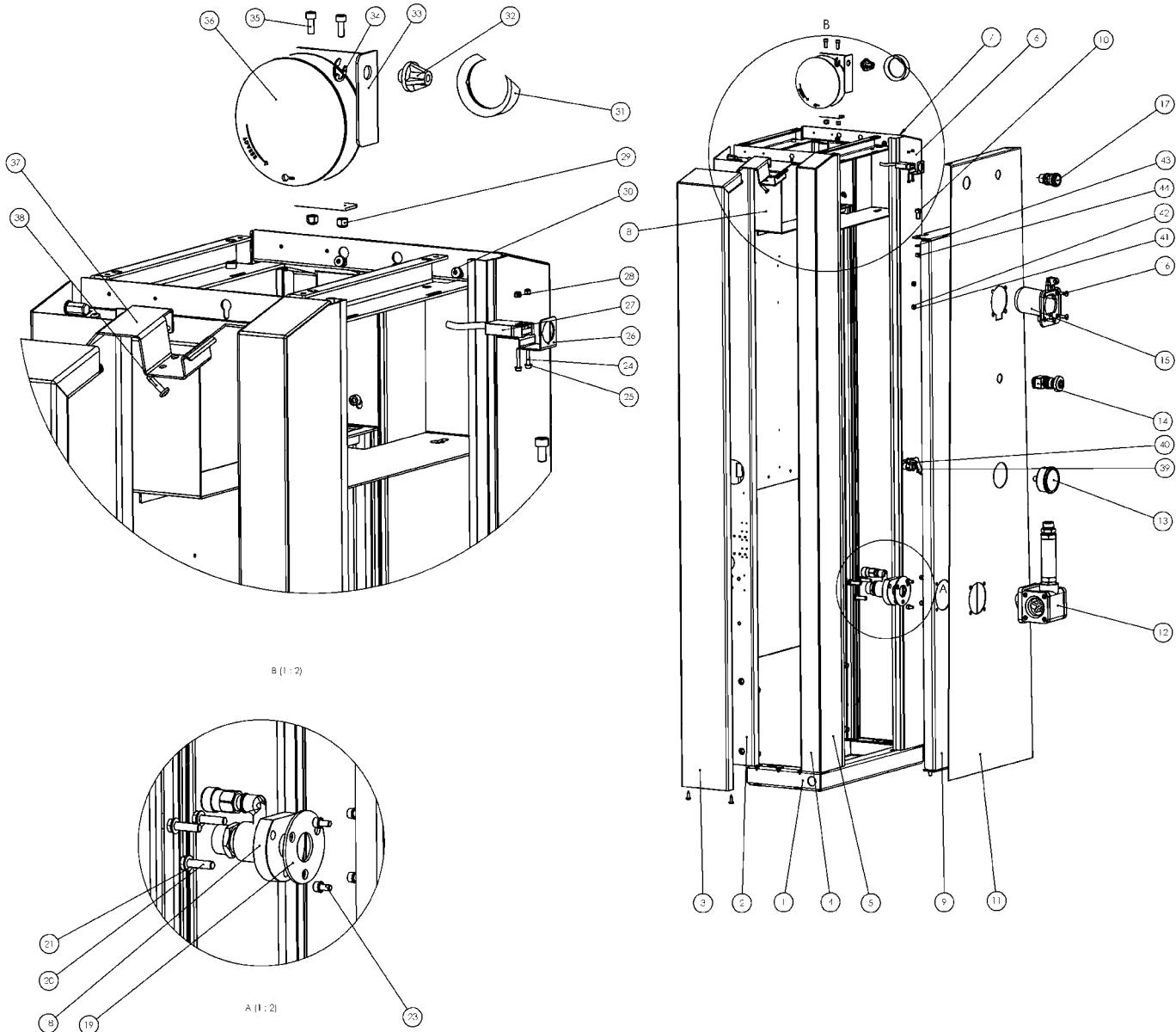


| | Part number | Description |
|----|--------------------|---|
| 1 | WM001962-0003 | Column 75 deg, width 140 mm, LPG |
| 2 | WM000159 | Nozzle boot, LPG |
| 3 | WM003371 | Support, U-shape |
| 4 | WB000295-0001 | Self tapping screw, Torx, pan head, type F ST5,5 x 22 |
| 5 | WB000579-0001 | Screw, slotted 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 (see also kp 6.7 page 96) |
| 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 90 | |
| 5 | see page 91 | |
| 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 |

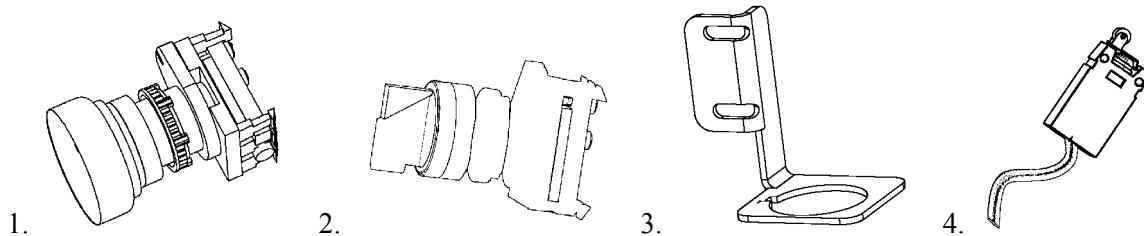
6.6 Column Global Star LPG - Island



| | 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 |
| | WM008672 | Adhesive tape, double sided, width=12 mm, thickness=1,6 mm |
| 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 connection |
| | WM002174 | Valve break-away |
| | WM003389 | Coupling, straight male 1" male 3/4" |
| | WM003160 | Sealant loxel 58-11, thread sealant |
| 13 | WM000929 | Pressure gauge |
| 14 | WM004027 | Push-button mushroom black (see also kp 6.7 page 96) |
| 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 3/4"NPT |
| | WM002191 | Valve safety 25bar |
| | WM002820 | Flange sight glass LPG |
| | WM004289 | Coupling, 90 degree male 1/4" female 1/4" |
| | WM003160 | Sealant loxel 58-11, thread sealant |
| 19 | WM003372 | Gasket flange sight glass (see also document 461406) |
| 20 | WB000212-0004 | Screw, hexagon socket cap, 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 |
| 29 | WB000229-0003 | Lock nut, M6 |

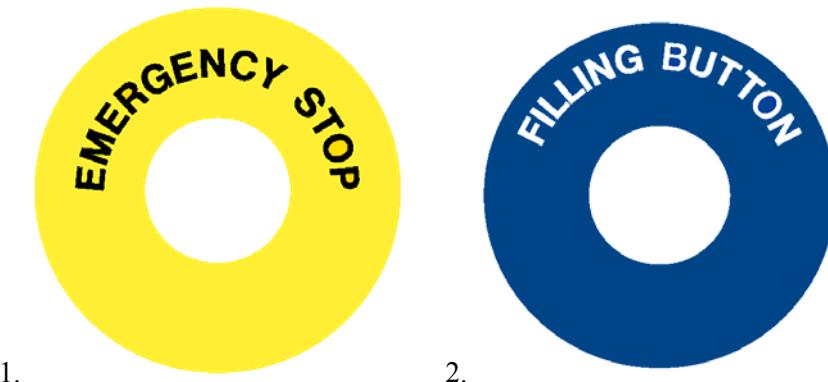
| | Part number | Description |
|----|--------------------|---|
| 30 | WB000250-0001 | Self tapping screw, Torx, pan head, type C ST5,5 x 19 |
| 31 | WM005254 | Ring hose retraction, LPG island oriented |
| 32 | WM003396 | Bushing cable guide |
| 33 | --- | |
| 34 | WM002070 | Retaining ring, external 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 |

6.7 Filling button, Global Star LPG



| | Part number | Description |
|---|--------------------|--|
| 1 | WM004027 | Push-button std, mushroom black |
| 2 | WM007236-0001 | On/off switch |
| 3 | WM005471 | Bracket for on/off switch |
| 4 | WM005472 | Switch with roller lever for on/off switch |

6.8 Column Global Star LPG - Decales

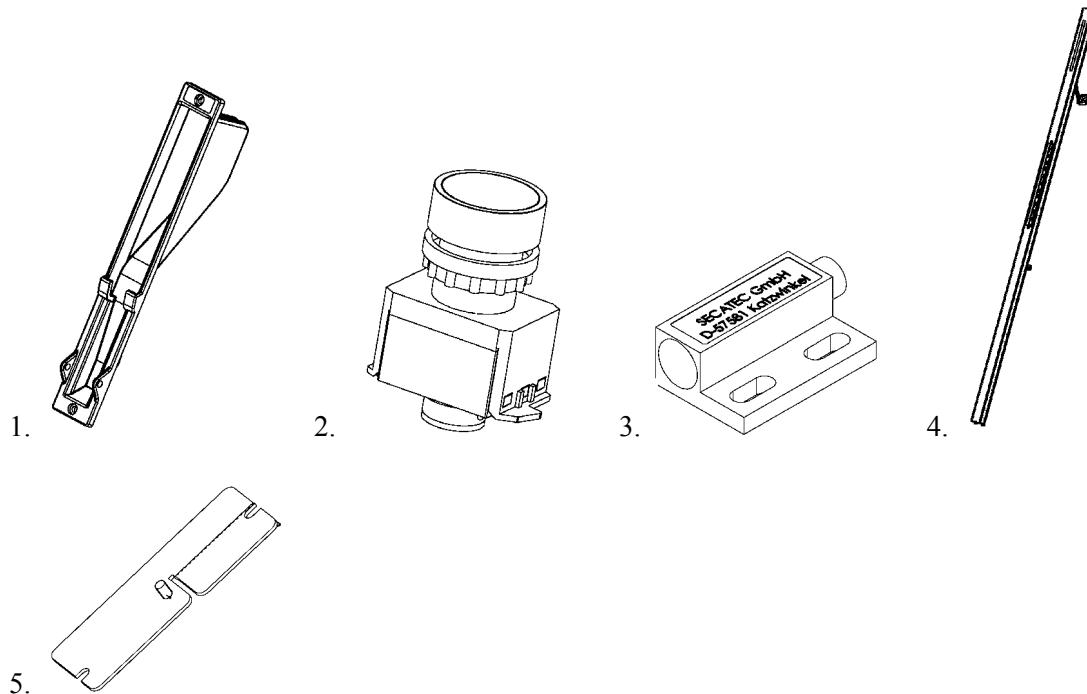


1.

2.

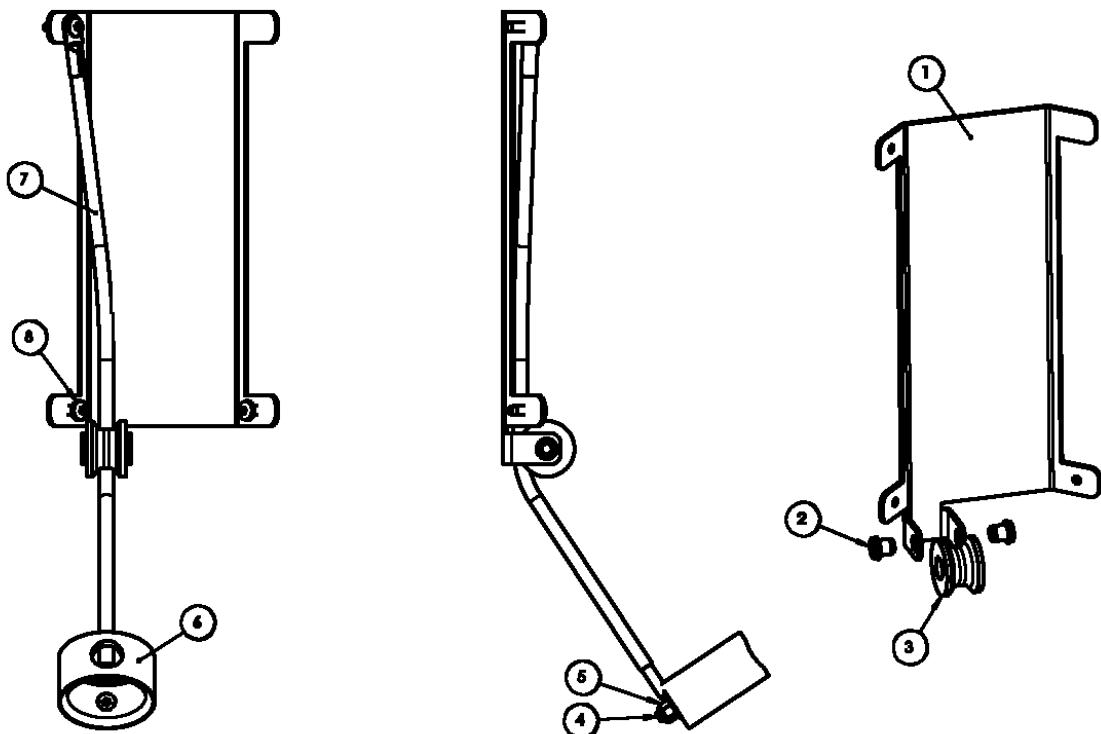
| | Part number | Description |
|---|--------------------|-----------------------|
| 1 | | Emergency Stop |
| | WM005133 | eng |
| | WM005543 | PL |
| | WE000337 | HR |
| 2 | | Filling button |
| | WM005134 | eng |
| | WM005544 | PL |
| | WE000338 | HR |
| | WE000428 | UA |

6.9 Column Global Star HH



| | Part number | Description |
|---|--------------------|--|
| Nozzle boot | | |
| 1 | WB000292 | Plastic, auto-on |
| | WM005726 | Decal, cover plastic nozzle boot (Grey RAL 7045) |
| Push-button | | |
| 2 | WM002998-0003 | Black |
| | WM002998-0005 | Blue |
| | WM002998-0002 | Green |
| | WM002998-0001 | Red |
| | WM002998-0006 | White |
| | WM002998-0004 | Yellow |
| 3 | WM001649-0003 | Switch Secatec 3-wire normally open/closed |
| Column (for plastic nozzle boot) ass'y | | |
| | WM008266 | No button |
| | WM008283-0001 | No button, Conoco |
| | WM008279-0001 | 1 button |
| | WM008283-0002 | 1 button, Conoco |
| | WM008279-0002 | 2 buttons |
| | WM008283-0003 | 2 buttons, Conoco |
| | WM008279-0003 | 3 buttons |
| | WM008283-0004 | 3 buttons, Conoco |
| | WM008283-0005 | With 140mm, Conoco |
| 5 | WM008038 | Support, flat width 139 mm |

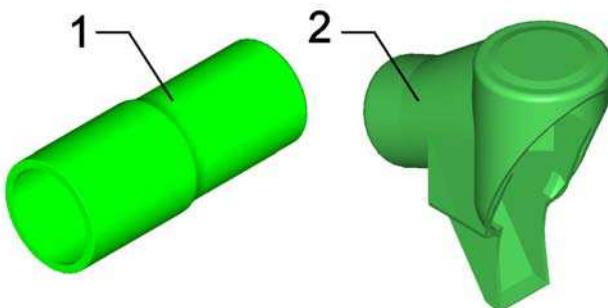
6.9.1 Hose Handling Global Star HH



| | Part number | Description |
|---|---------------|---|
| | | Hose handling ass'y |
| | WE000473 | Std |
| | WE000474 | Single sided |
| 1 | | Support, U-shape hose handling, |
| | WE000467 | Std |
| | WE000468 | Single sided |
| 2 | WB000218-0001 | Pop-nut, open, CSK, M6, grip range 1.5 - 4.0 |
| 3 | WM008036 | Pulley hose handling |
| 4 | WB000647-0001 | Screw, CSK socket CAP, M6 x 16 |
| 5 | WB000229-0003 | Lock nut, M6 |
| 6 | WM008039 | Ring hose handling |
| 7 | WE000472 | Cord L= 410 mm |
| 8 | WB000295-0001 | Self tapping screw, Torx, pan head, type F ST5,5 x 22 |

6.10 Nozzle and hose

6.10.1 Cover



| | Part number | Description |
|---|--------------------|--------------------------------|
| 1 | | Hose cover |
| | WM007104-0001 | Black CS16 |
| | WM007104-0002 | Blude CS16 |
| | WM007104-0003 | Red CS16 |
| | WM007104-0004 | Green CS16 |
| | WM007104-0005 | Yellow CS16 |
| | WM007104-0006 | White CS16 |
| | WM007104-0007 | Orange CS16 |
| | WM007545-0001 | Blue CS21 |
| | WM007545-0002 | Yellow CS21 |
| | WM007545-0003 | Black CS21 |
| | WM007545-0004 | Red CS21 |
| | WM007545-0005 | Green CS21 |
| | WM007545-0006 | Orange CS21 |
| | WM007545-0007 | White CS21 |
| 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 |

6.10.2 Nozzle

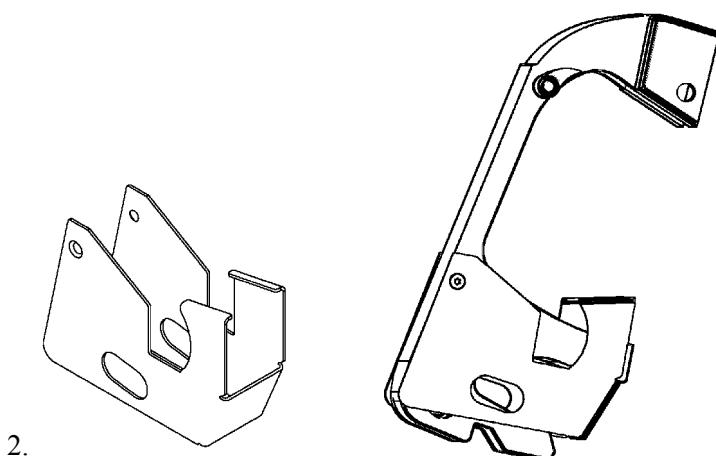


Nozzles from left to right in picture above:

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 |
|-------------------------------|--------------------|---|
| With cover, without VR | | |
| U | WM002128 | ZVA 25, 8D, black |
| | WM002016-0001 | 19mm, 8D, spout ID=19/OD=24.5, yellow |
| | WM002016-0002 | 19mm, 8D, spout ID=19/OD=24.5, black |
| | WM002016-0003 | 19mm, 8D, spout ID=19/OD=24.5, white |
| | WM002016-0004 | 19mm, 8D, spout ID=19/OD=24.5, red |
| | WM002016-0005 | 19mm, 8D, spout ID=19/OD=24.5, green |
| | WM002016-0006 | 19mm, 8D, spout ID=19/OD=24.5, blue |
| | 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 | WM002016-0013 | 19mm, 8D, spout ID=21/OD=25, black, D.catch+stop |
| | WM002016-0037 | 19mm, 8D, spout ID=21/OD=25, black, drip catcher |
| | WM002016-0038 | 19mm, 8D, spout OD=21, BP dark blue, comfi grip |
| | WM002016-0039 | 19mm, 8D, spout OD=21, BP dark blue |
| | WM002016-0040 | 19mm, 8D, spout OD=25, BP dark blue, comfi grip |
| | WM002016-0041 | 19mm, 8D, spout OD=25, BP dark blue |
| | WM002016-0043 | 19mm, 8D, spout OD=25, BP dark blue, drip catcher |
| | WM002016-0044 | 19mm, 8D, spout OD=21, BP light blue, comfi grip |
| | WM002016-0045 | 19mm, 8D, spout OD=25, BP light blue, comfi grip |
| U | WM002016-0046 | 19mm, 8D, spout OD=21, blue, ethanol |
| | WM002016-0046 | 19mm, 8D, spout ID=16/OD=21, blue, ethanol |
| | WM002016-0047 | 19mm, 8D, spout ID=16/OD=21, light green |
| | WM002016-0048 | 19mm, 8D, spout ID=19/OD=25, light green |
| | WM002016-0049 | 19 mm, 8D, spout ID=19/OD=21, BP light blue |
| | WM002016-0050 | 19 mm, 8D, spout ID=19/OD=25, BP light blue |
| | WM012773-0001 | 19mm, 8D, OD=25, BP dark blue, comfi g, drip cat |

| | Part number | Description |
|---|--------------------|---|
| | | With cover, with VR |
| | WM002123-0001 | 8D, spout OD=25, yellow |
| | WM002123-0002 | 8D, spout OD=25, black |
| | WM002123-0003 | 8D, spout OD=25, white |
| | WM002123-0004 | 8D, spout OD=25, red |
| | WM002123-0005 | 8D, spout OD=25, green |
| | WM002123-0006 | 8D, spout OD=25, blue |
| U | WM002123-0007 | 8D, spout OD=21, black |
| U | WM002123-0008 | 8D, spout OD=21, blue |
| U | 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 |
| U | WM002123-0017 | 8, spout OD=21, green |
| | WM002123-0026 | 8D, spout OD=21, BP light blue, comfi grip |
| | WM002123-0027 | 8D, spout OD=25, BP light blue, comfi grip |
| | WM002123-0029 | 8D, spout OD=25, light green |
| | WM002123-0030 | 8D, spout OD=21, light green |
| | WM002009 | Handle 8D |
| 2 | WM005331 | Nozzle locking mechanism |
| | WM000631-0001 | Self tapping screw, TORX, CSK HEAD, type C ST 2,9X9,5 |
| | | Splash guard |
| | WM012315-0001 | ID=24, OD=82, BP light blue (NL) |
| | WM012315-0002 | ID=24, OD=82, green |
| | WM012315-0003 | ID=24, OD=82, green |
| | WM012315-0004 | ID=24, OD=82, green (UK) |
| | WM012315-0005 | ID=24, OD=82, blue |
| | WM012315-0006 | ID=24, OD=82, red |
| | WM012315-0007 | ID=24, OD=82, yellow |
| | WM012317-0001 | ID=26, OD=92, BP light blue (AT) |
| | WM012317-0002 | ID=26, OD=92, BP dark blue (AT) |
| | WM012317-0003 | ID=26, OD=92, green |
| | WM012317-0004 | ID=26, OD=92, black |
| | WM012317-0005 | ID=26, OD=92, blue |
| | | Comfi grip |
| | WM012182-0001 | BP light blue |
| | WM012182-0002 | BP dark blue |
| | WM012300-0001 | VR, BP light blue |



6.10.3 Hose, Global Star 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 |
| | WM009038 | Urea (SCR) |

6.10.4 Hose, Global Star HH

| | Part number | Description |
|--|--------------------|------------------------|
| | WM002078-0003 | ID=16 3,25m |
| | WM002078-0004 | ID=16, LT 3,25m slang |
| | WM002078-0005 | ID=16, Biodiesel 3,25m |
| | WM002081-0003 | Slang std ID=21 3,35m |
| | WM002081-0004 | ID=21, LT 3,35m slang |
| | WM002081-0005 | ID=21, Biodiesel 3,35m |
| | WM002083-0003 | ID=25 3,20m |
| | WM002083-0004 | ID=25, LT 3,20m |
| | WM002095-0002 | VR ID=21 3,35m |
| | WM002095-0003 | ID=21, LT 3,35m |

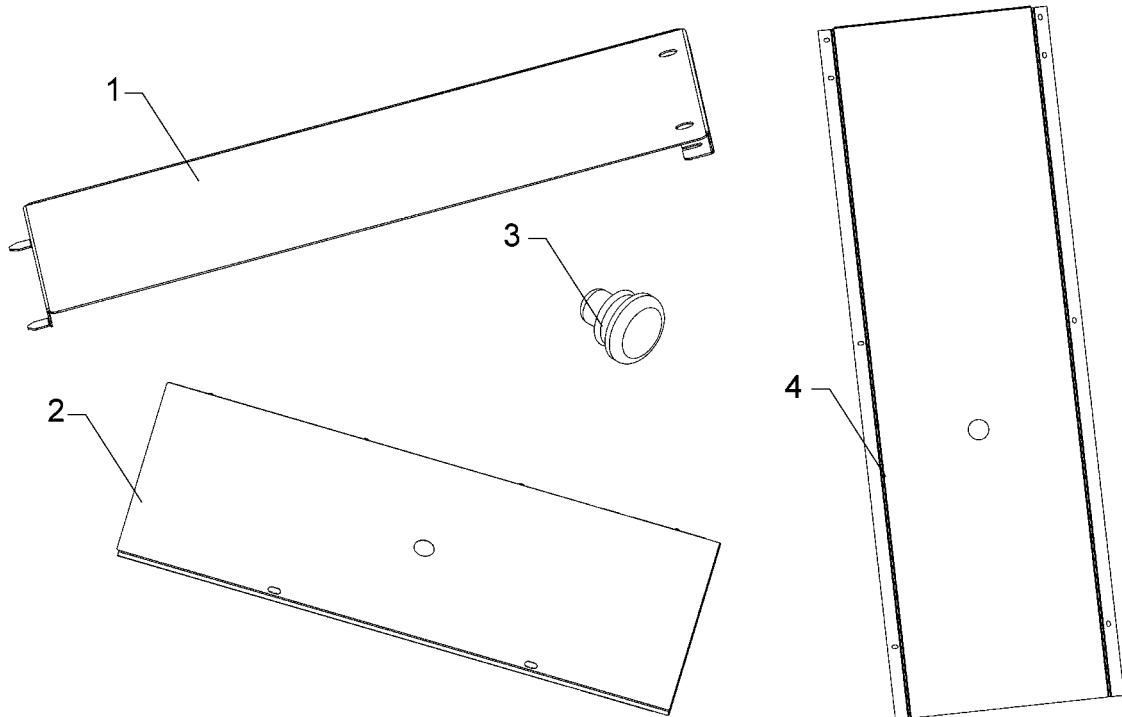
6.10.5 Miscellaneous



| | Part number | Description |
|----|--------------------|--|
| | WM003160 | Sealant loxéal 58-11, thread sealant |
| 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 | | Break-away and swivel |
| | WM002024 | SSB 16 |
| | WM009476 | SSB 16 FS (for LT diesel hose) |
| | WM009013 | SSB 25 |
| 7 | | Tube, vapour |
| | WM002161 | L=110 mm |
| | WM002718 | L=250 mm |
| | | Sight glass |
| 8 | WM002348 | Without vapour (VR) |
| 9 | WM002030 | With vapour (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) |
| | WB000260-0001 | Taptite screw, hexagon socket cap, M6 x 16 |

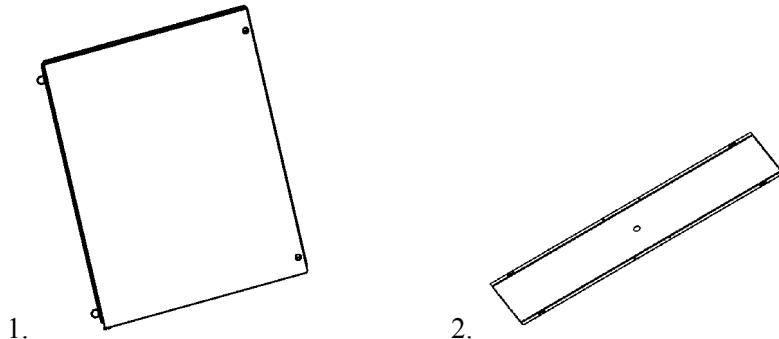
6.11 Divider panel

6.11.1 Divider panel, Global Star LHR



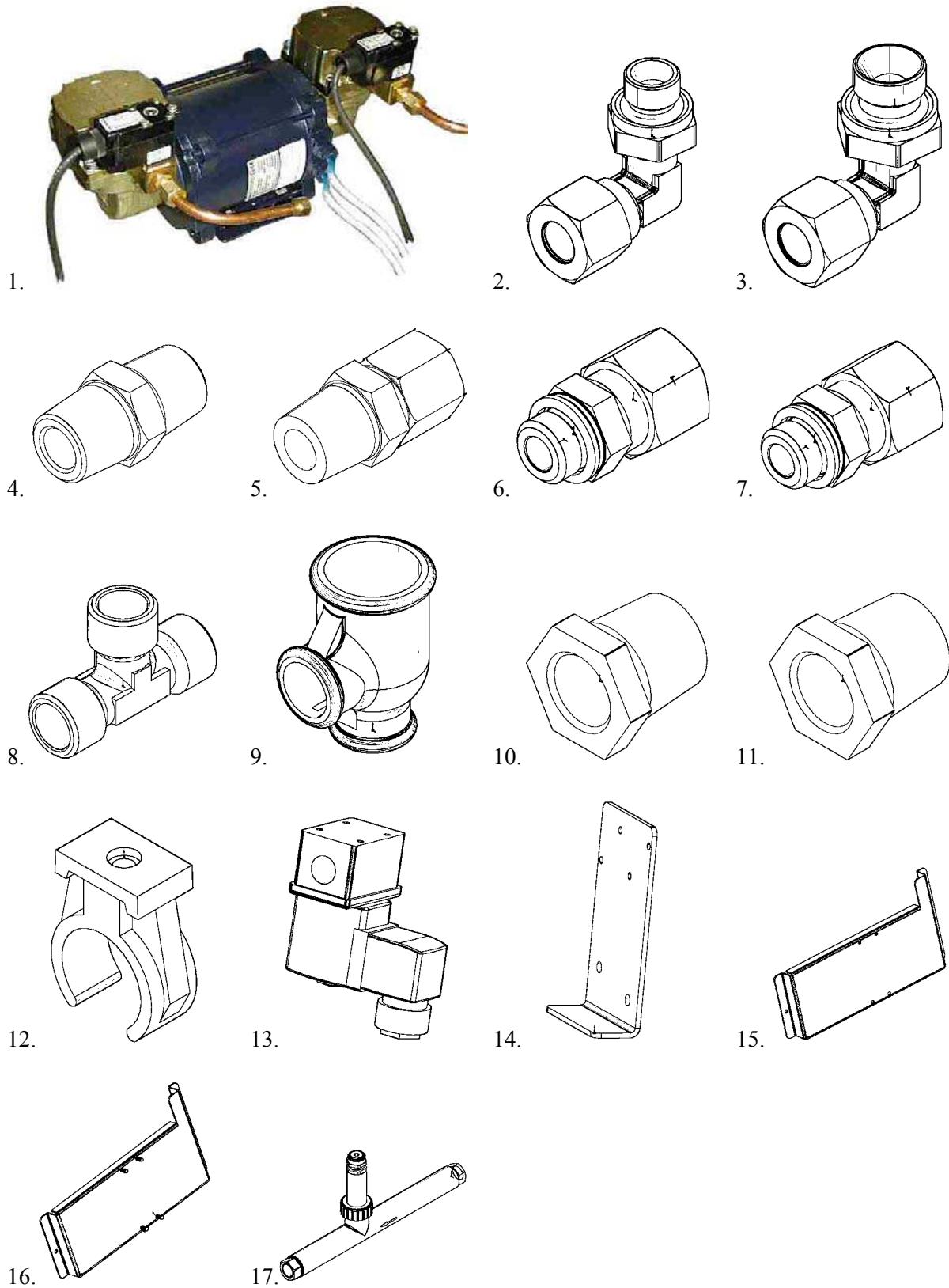
| | Part number | Description |
|---|--------------------|---|
| | WM003175 | Gasket U-shape, EPDM |
| 1 | WM002172 | Support, box shape |
| 2 | WM002171 | Support, box shape |
| 3 | WB000339-0001 | Plastic fastener rivet, thickness range 2.5 - 4.0 THK |
| 4 | WM002140 | Blind panel |

6.11.2 Divider panel, Global Star HH



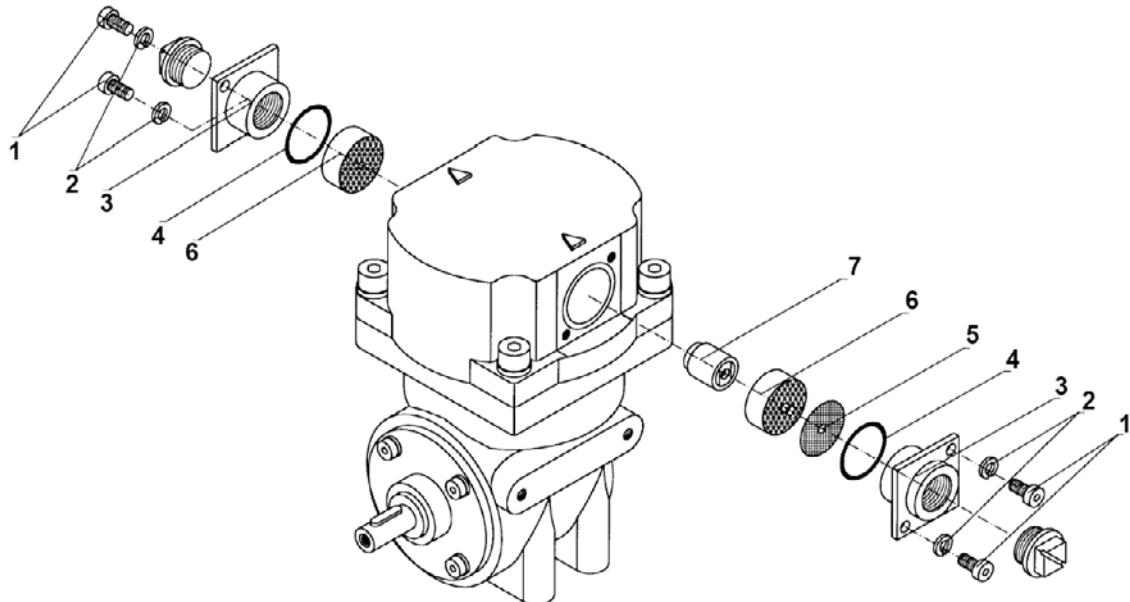
| | Part number | Description |
|--|--------------------|--------------------|
| | WM008308 | Support, box shape |
| | WE000462 | Blind panel |

7 Vapour recovery



| | Part number | Description |
|----|--------------------|---|
| 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 |
| U | WM001081 | Vapour pump and motor 3-phase 400V, 1 pump, piston |
| | WM004837 | Vapour pump and motor 3-phase 400V, 1 pump, piston (Croatia) |
| | WM003824 | Vapour pump and motor 3-phase 400V, 2 pumps, membrane |
| | WM004838 | Vapour pump and motor 3-phase 400V, 2 pumps, membrane (Croatia) |
| U | 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 |
| | 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 |

7.1 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 Wayne document 461383.



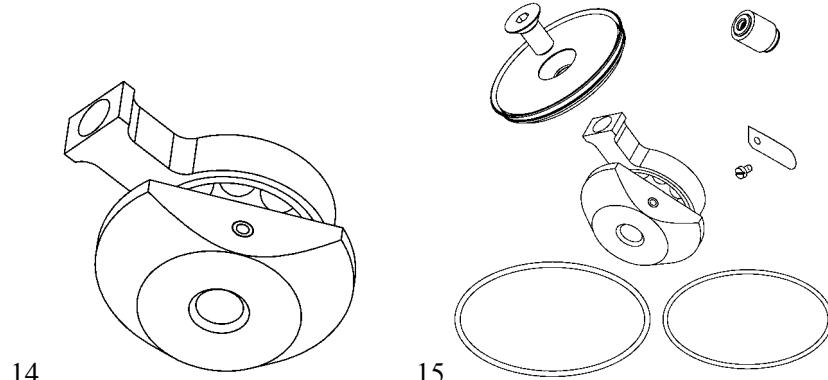
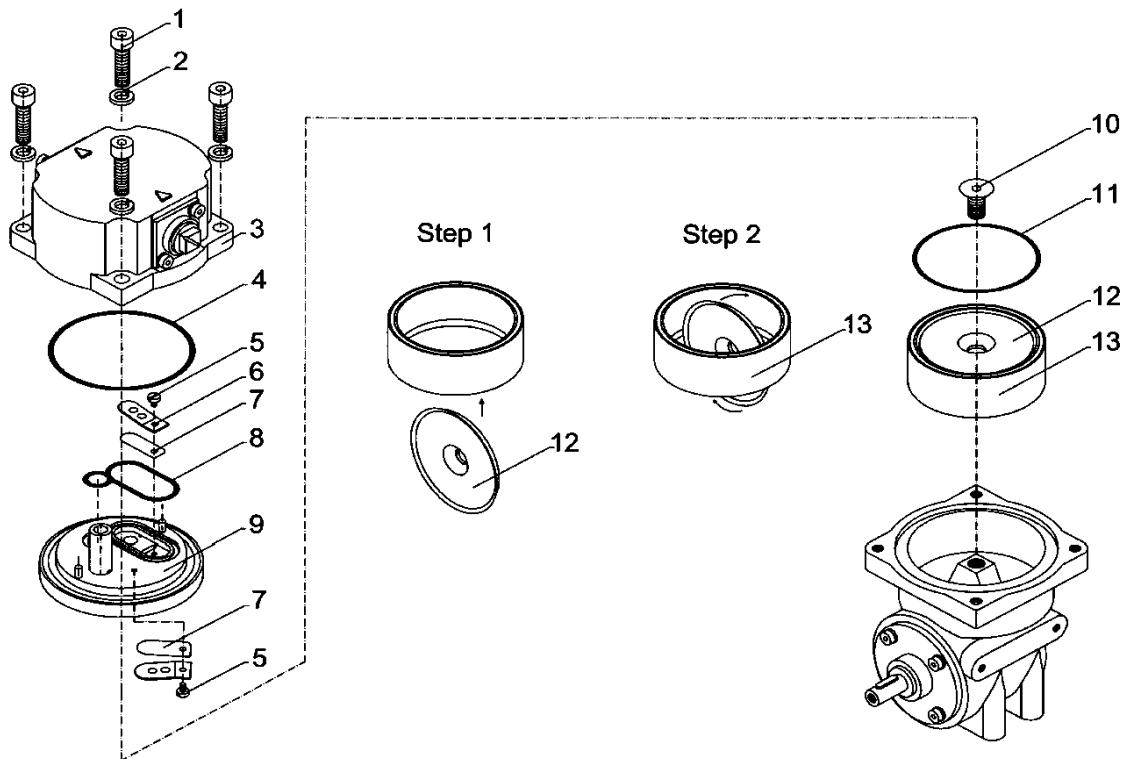
WARNING!!

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 |

7.1.1 Piston pump

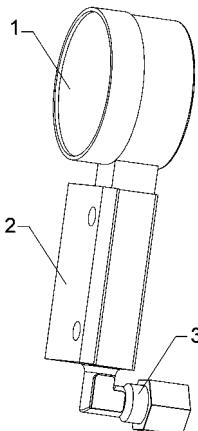


14.

15.

| Part number | Description |
|-------------|---|
| 8 | WM000751 O-ring |
| 15 | WM013538 Kit, piston and eccentric wheel (for piston pump) |
| --- | Reducing valve |
| 4 | WM000750 O-ring |
| 7 | WM007539 Valve washer (x2 in the kit) |
| 11 | WM007538 O-ring |
| 12 | WM013531 Kit, Piston |
| 14 | WM013533 Kit, eccentric wheel (for piston pump) |
| --- | Screws |

7.2 Pressure gauge



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

7.3 Tube vapour, Global Star HH



You will find the tube number printed on the tube.

| | Part number | Description |
|--|--------------------|----------------------------------|
| | WM008288 | Side A, valve-nozzle 1 |
| | WM008312 | Side A, valve-nozzle 1 (Vaporix) |
| | WM008289 | Side A, valve-nozzle 2 |
| | WM008313 | Side A, valve-nozzle 2 (Vaporix) |
| | WM008290 | Side A, valve-nozzle 3 |
| | WM008314 | Side A, valve-nozzle 3 (Vaporix) |
| | WM010469 | Side A, valve-nozzle 4 |
| | WM010481 | Side A, valve-nozzle 4 (Vaporix) |
| | WM008291 | Side B, valve-nozzle 1 |
| | WM008315 | Side B, valve-nozzle 1 (Vaporix) |
| | WM008292 | Side B, valve-nozzle 2 |
| | WM008316 | Side B, valve-nozzle 2 (Vaporix) |
| | WM008293 | Side B, valve-nozzle 3 |
| | WM008317 | Side B, valve-nozzle 3 (Vaporix) |
| | WM010471 | Side B, valve-nozzle 4 |
| | WM010486 | Side B, valve-nozzle 4 (Vaporix) |

7.4 Tube vapour, Global Star LHR

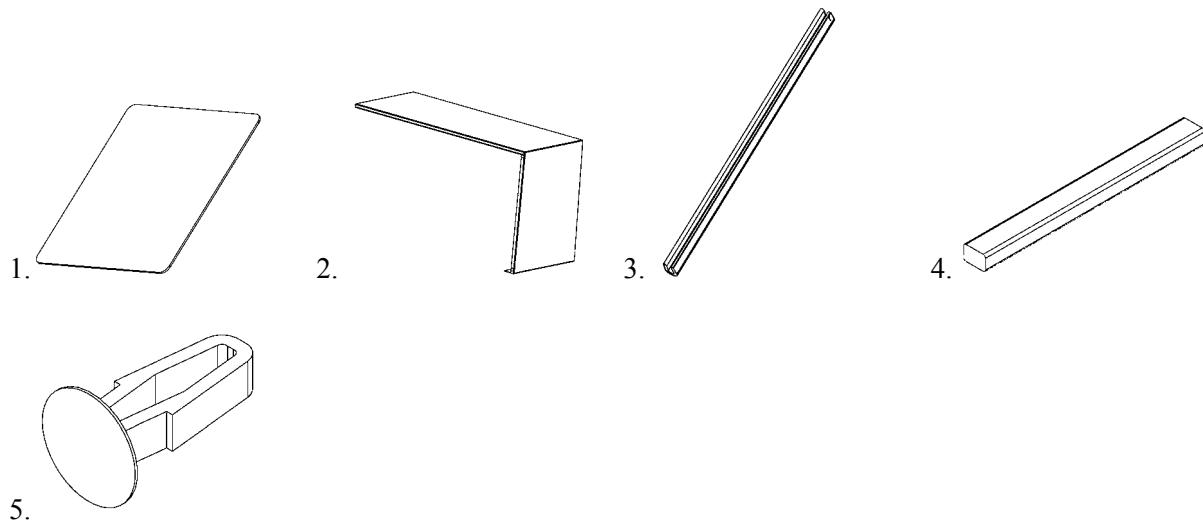


You will find the tube number
printed on the tube.

| 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 |
| WM010462 | Valve - nozzle 4 |
| WM002696 | Vaporix - nozzle 1 |
| WM002697 | Vaporix - nozzle 2 |
| WM002698 | Vaporix - nozzle 3 |
| WM010476 | Vaporix - nozzle 4 |
| | 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 |
| WM010464 | Valve - nozzle 4 |
| WM002699 | Vaporix - nozzle 1 |
| WM002700 | Vaporix - nozzle 2 |
| WM002702 | Vaporix - nozzle 3 |
| WM010478 | Vaporix - nozzle 4 |

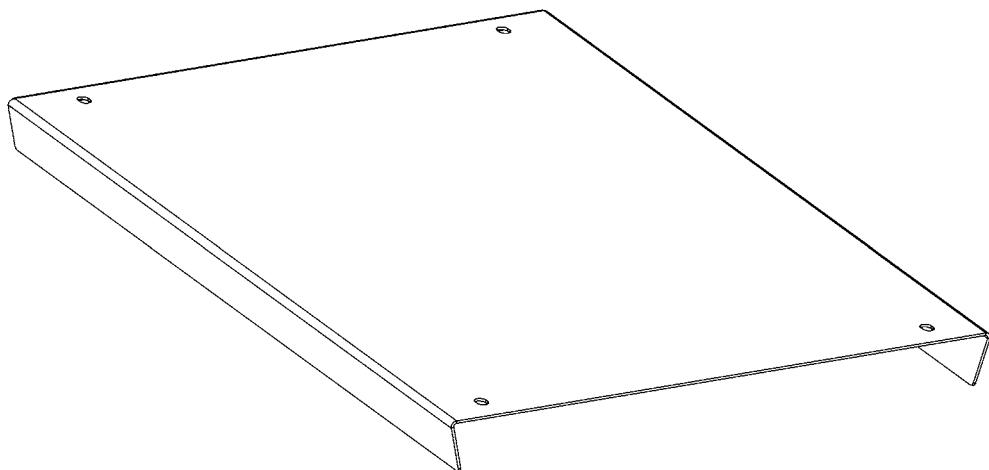
8 Exterior

8.1 Electronic head generation I



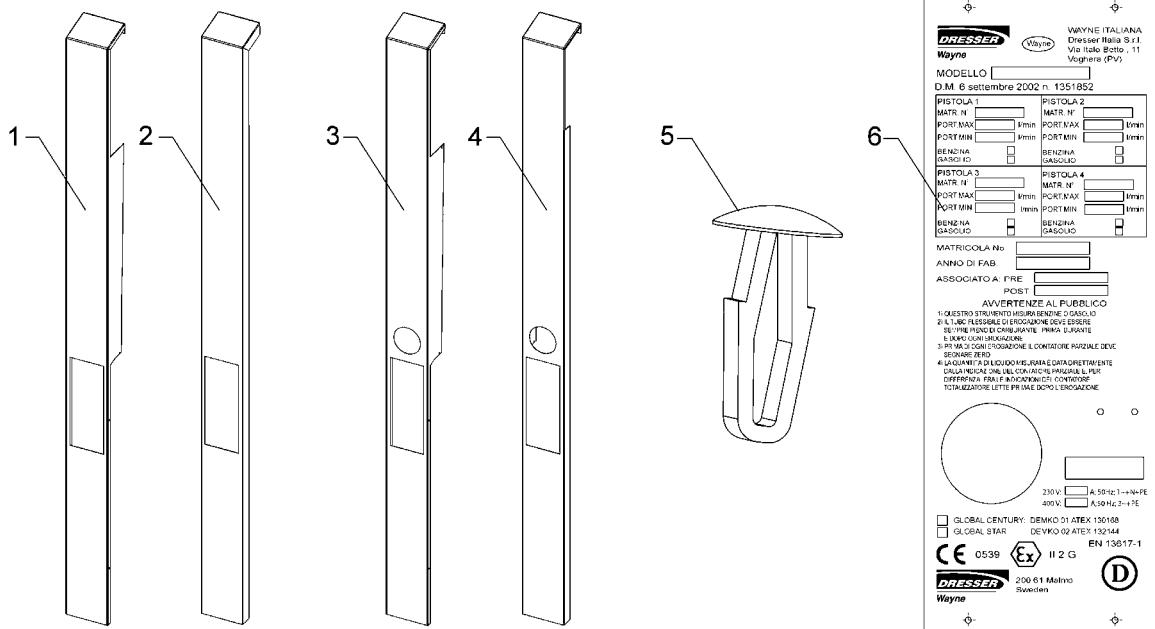
| | Part number | Description |
|---|--------------------|---|
| 1 | WM002373 | Cover plate (blind plate for the indicator lamp hole - single side) Cover plate |
| 2 | WM002152-0001 | Top panel, std (96 deg) |
| | WM002152-0002 | Top panel for indicator lamp, std (96 deg) |
| | WM003191-0001 | Top panel 90 deg |
| | WM008627-0001 | Top panel 90 deg, ultramarine blue RAL 5002 |
| | WM003191-0002 | Top panel 90 deg, for indicator lamp |
| | WM002486-0001 | Top panel PT, std (96 deg) |
| | WM002486-0002 | Top panel PT indicator lamp, std (96 deg) |
| | WM004903-0001 | Top panel PT, 90 deg |
| 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 |
| | WB000251-0001 | Pop rivet, csk head, 4.0 diameter, grip range 2.0 - 4.4, closed end |

8.2 Cover plate, top panel, hose handling



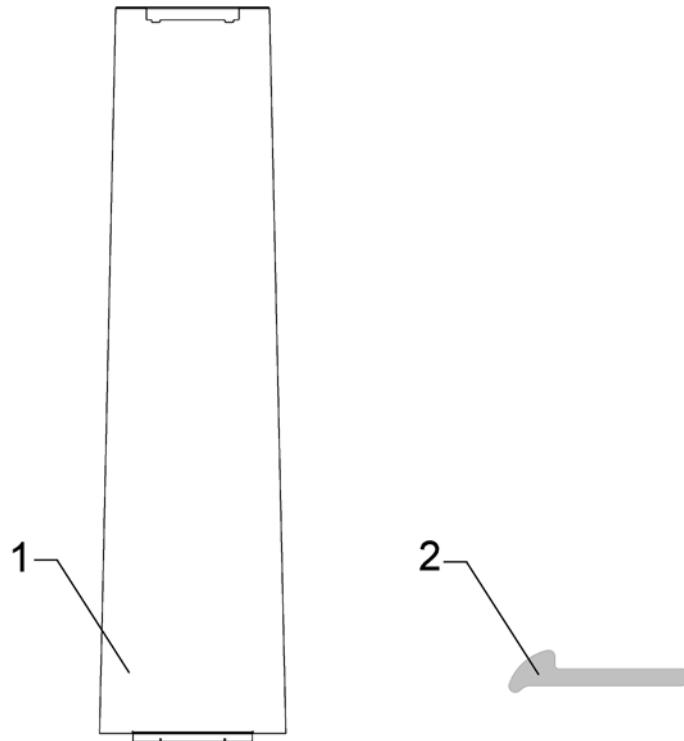
| Part number | Description |
|---------------|---|
| | Cover plate, top panel Global Star LHR |
| WM002040 | 1 module |
| WM002042 | 2 modules |
| WM001378 | 3 modules |
| WM002043 | 4 modules |
| | Cover plate, top panel Global Star HH |
| WM007103-0001 | 1 module black grey |
| WM007103-0005 | 1 module yellow |
| WM007103-0002 | 2 modules black grey |
| WM007103-0006 | 2 module yellow |
| WM007103-0003 | 3 modules black grey |
| WM007103-0007 | 3 module yellow |
| WM007103-0004 | 4 modules black grey |
| WM007103-0008 | 4 module yellow |
| | |
| WB000250-0001 | Self tapping screw, Torx, pan head, type C ST5.5 x 19 |

8.3 Cover plate, column



| | Part number | Description |
|---|--|--|
| | WM003173 | Adhesive tape, double-sided width=1/2" x thickness=0.85mm |
| | Cover plate, column Global Star HH | |
| | WM008624-0001 | Side A, Conoco |
| | WM008624-0002 | Side B, Conoco |
| | Cover plate, column Global Star LHR | |
| | 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 | CZ |
| | WM003370 | DE |
| | WM003439 | IT (with VR pressure gauge) |
| | WM003806 | IT (without VR pressure gauge) |
| | WM003660 | ES |
| | WM003184 | SE |
| | WM003844 | Switzerland |
| | WM003773 | UA |
| | WM003769 | YU |
| | | Approval label (Urea) |
| | WM008737 | CZ |
| | WM008735 | AUSTRIA |
| | WM008736 | HU |
| | WM008739 | DE |
| | WM008979 | SI |

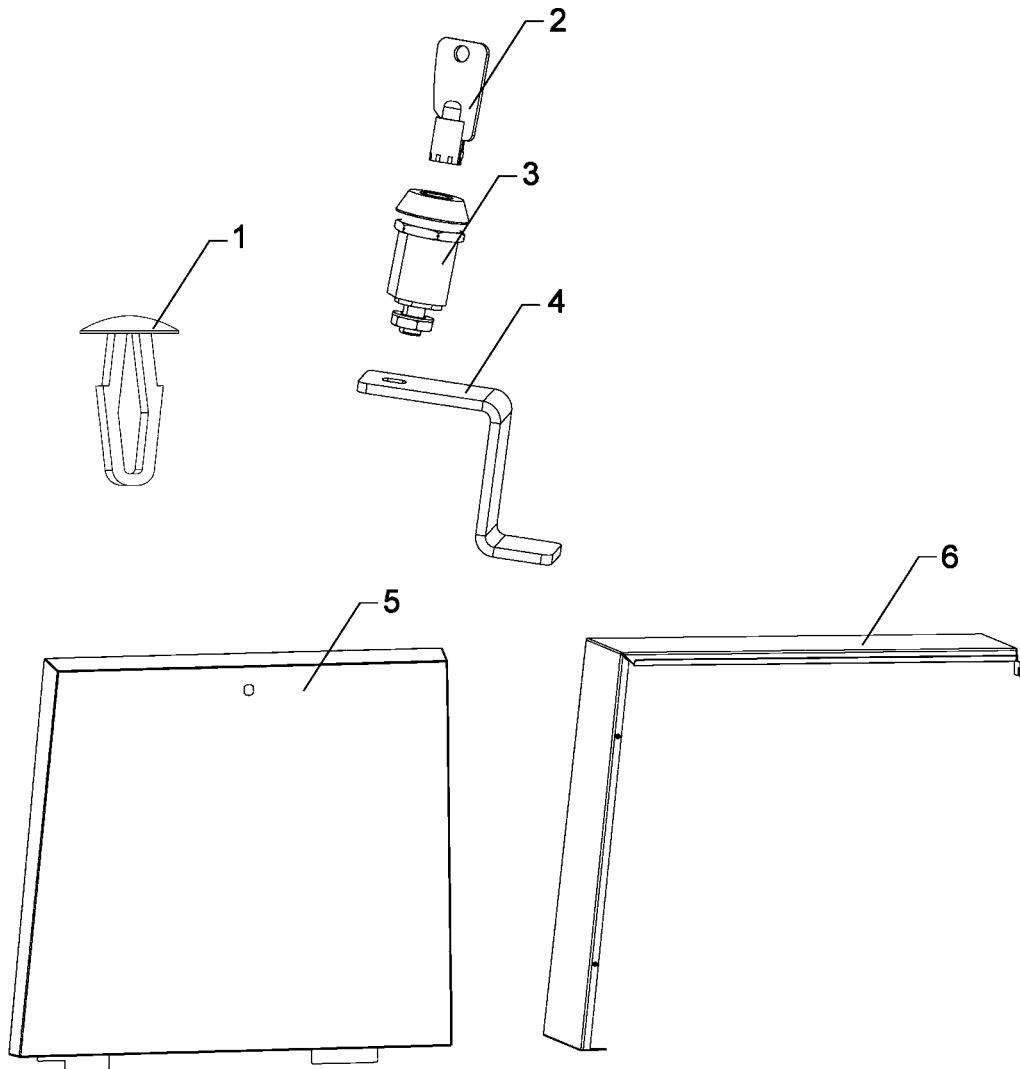
8.4 Side panel, hose handling



| | Part number | Description |
|---|--------------------|--|
| | WM008672 | Adhesive tape, double sided, width=12 mm, thickness=1,6 mm |
| 1 | WM000731-0002 | Side Panel Global Star LHR |
| | WM003118-xxxx | AL |
| | | Std, see painting instruction |
| 2 | WM003000 | Profile list |
| | | Side Panel Global Star HH |
| | WM007839-0002 | AL |
| | WM007834-xxxx | Std, see painting instruction |

8.5 Front panel, hydraulic

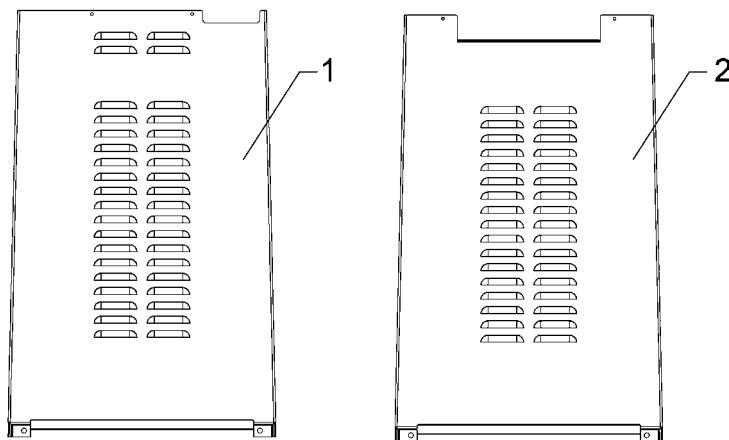
8.5.1 Global Star LHR and HH



Painting instructions, see document 461312.

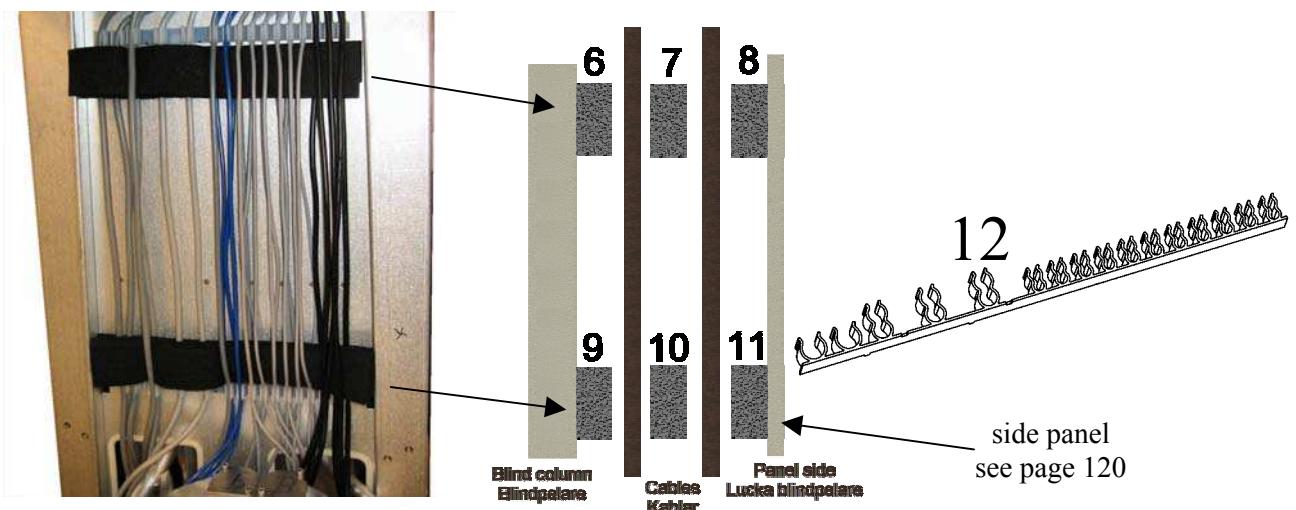
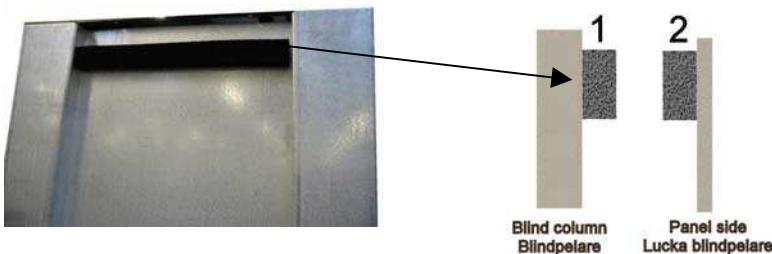
| | Part number | Description |
|---|--------------------|---|
| 1 | WB000264-0001 | Plastic fastener, drive fastener thickness range 1.0 - 4.5 |
| 2 | WM003119 | Key for WM001994-0002 |
| 3 | | Lock |
| | WM001994-0002 | Std (without key, use WM003119) |
| | WM001994-0001 | Individually keyed (include 2 keys) |
| 4 | WM003108 | Latch for hydraulic door |
| 5 | | Front panel, side A, 3 modules 90 deg |
| | WM003113-0003 | Std, see painting instruction |
| | 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 |
| | WM003113-0029 | 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 |
| | WM003113-0045 | White aluminium, RAL 9006, gloss 70 |
| | 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 |
| | WM003113-0055 | Gentian blue RAL, 5010, gloss 70 |
| | | Front panel, side A, 4 modules 96 deg |
| | WM003113-0005 | Wayne std, pure white, RAL 9010, gloss 70 |
| | WM003113-0017 | Mint green, RAL 6029, gloss 70 |
| | 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 |
| | WM003113-0026 | Traffic black, RAL 9017, gloss 70 |
| | | Front panel, side B, 3 modules 96 deg |
| | WM003113-0002 | Wayne std, pure white, RAL 9010, gloss 70 |
| | WM003113-0030 | Ultramarine blue, RAL 5002, gloss 70 |
| | WM003113-0036 | Traffic yellow, RAL 1023, gloss 70 |
| | WM003113-0046 | White aluminium, RAL 9006, gloss 70 |
| | | Front panel, side B, 4 modules 90 deg |
| | WM003113-0008 | Wayne std, pure white, RAL 9010, gloss 70 |
| | 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 |
| | WM003113-0038 | 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 |
| | WM005155-0001 | 3 modules yellow CONOCO |
| | WM005155-0002 | 4 modules yellow CONOCO |
| | 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 |
| | WB000211-0001 | Screw, hexagon socket cap, M6 x 16 |

8.6 Side panel



| | Part number | Description |
|---|--------------------|---|
| | | Side panel (Electronic head generation I) |
| 1 | WM005355 | B2B |
| | WM001380 | Std (without sealing - see page 121) |
| | 178902 | Std (with sealing - see page 121) |
| | WM008622-0001 | Yellow RAL 1003 |
| | WE00000206 | Upper barrier (HH) std |
| | WM008629-0001 | Upper barrier (HH) Yellow RAL 1003 |
| 2 | WM005179 | Extra barrier |

8.7 Sealing barrier

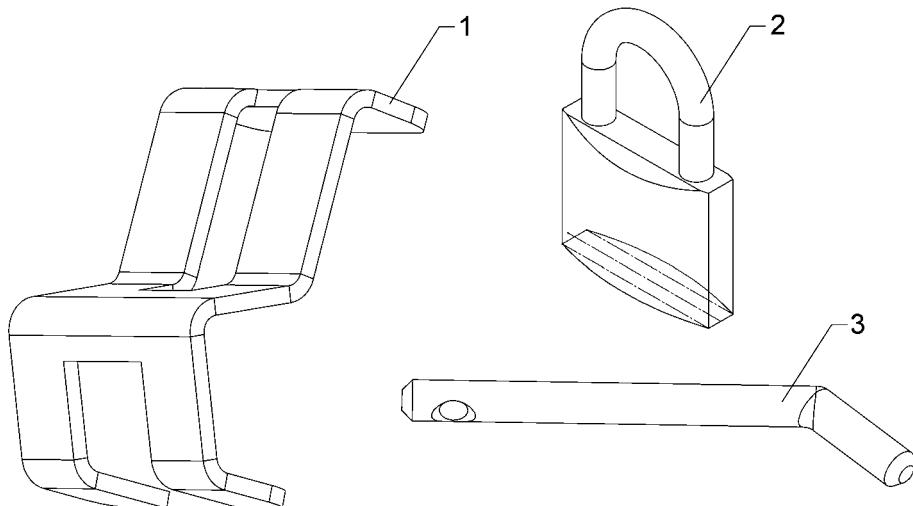


If service and maintenance on the equipment includes access to the vapour barriers due to wiring modifications, change of components et c, then the middle barrier (No. 7 and 10) **must** be replaced by a new one.



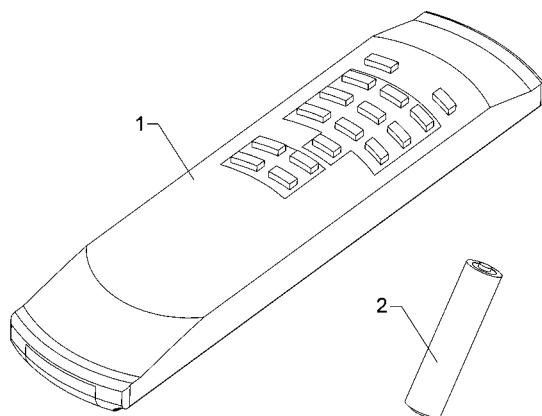
| | Part number | Description |
|------|--------------------|---|
| 1,2 | WM002533 | Sealing panel hose handling upper (L=310 mm) |
| 3,4 | WM002215 | Sealing electronic head |
| 5 | WM002245 | Sealing electronic head |
| 6,8 | WM002537 | Sealing panel hose handling middle (L=355 mm) |
| 7 | WM002530 | Sealing panel hose handling middle (L=365 mm) |
| 9,11 | WM002538 | Sealing panel hose handling lower (L=373 mm) |
| 10 | WM002531 | Sealing panel hose handling lower (L=383 mm) |
| 12 | WM001061 | Cable hanger |

8.8 Padlock



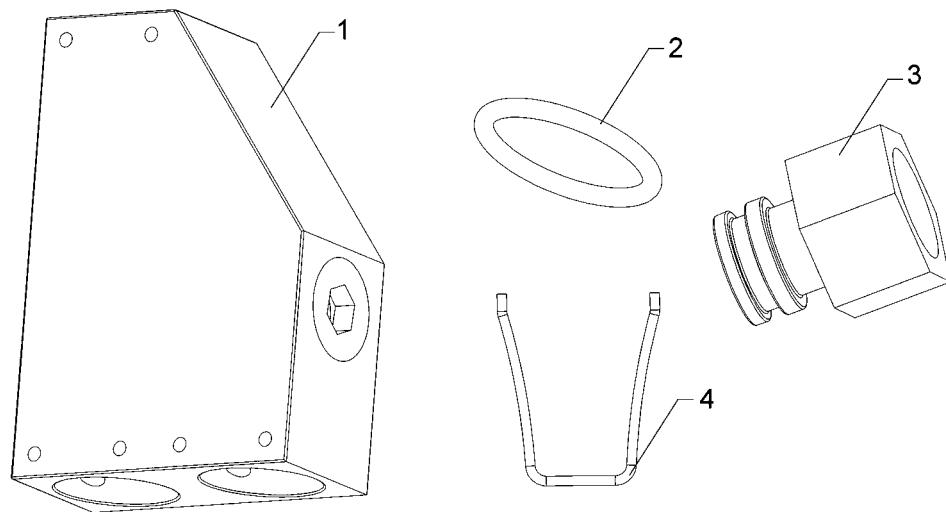
| | Part number | Description |
|---|--------------------|--------------------|
| 1 | WM004686 | Lock LPG nozzle |
| 2 | WM003189 | Padlock |
| 3 | | Pin |
| | WM002518-0001 | 1 nozzle |
| | WM002518-0002 | 2 nozzles |
| | WM002518-0003 | 3 nozzles |
| | WM002518-0004 | 4 nozzles |
| | WM002518-0005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

8.9 Remote control, with battery



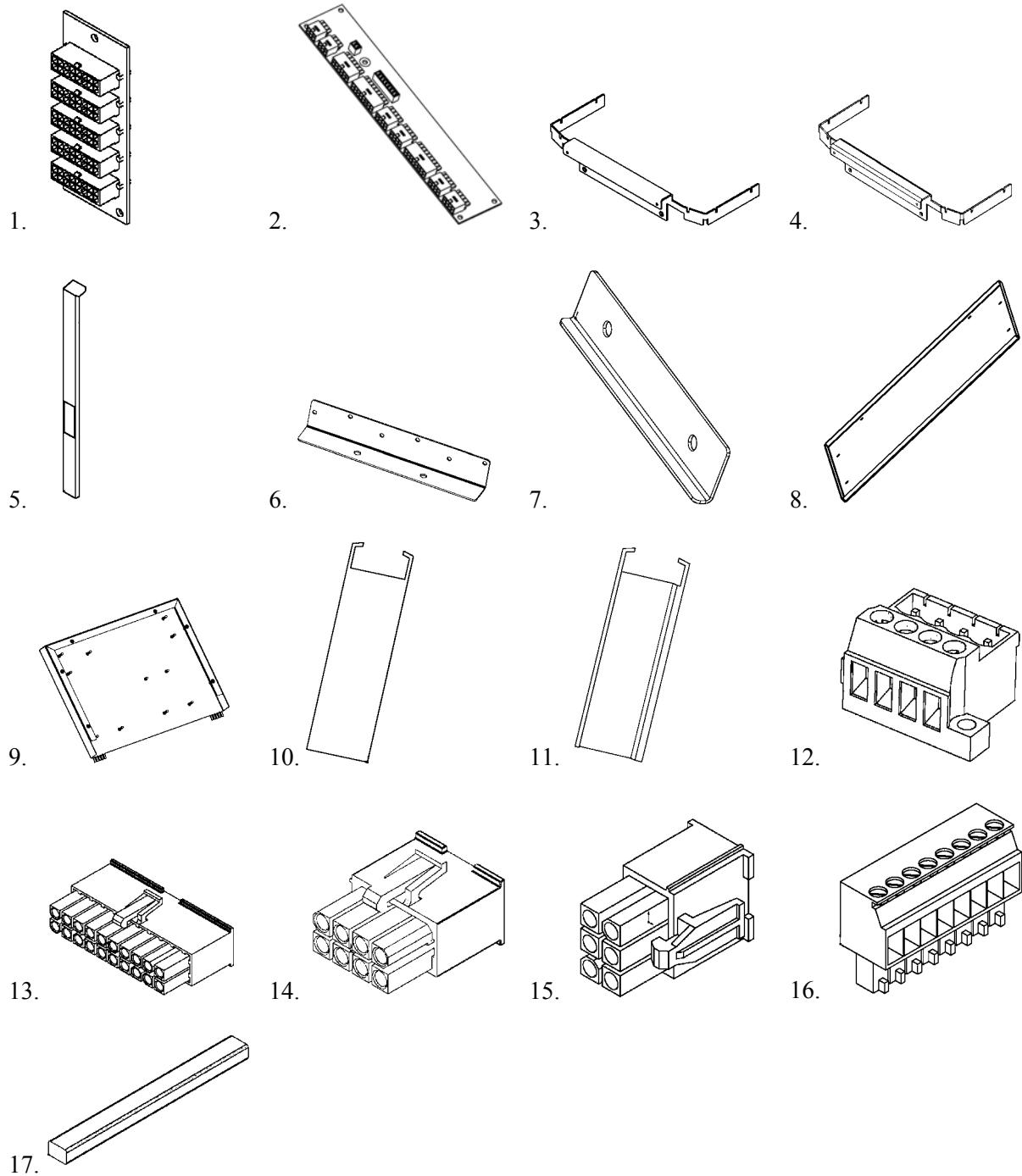
| | Part number | Description |
|---|--------------------|-----------------------------|
| 1 | WM002290 | Remote control with battery |
| 2 | WM002289 | Battery LR03 size AAA 1.5V |

8.10 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 |

9 B2B (back to back)

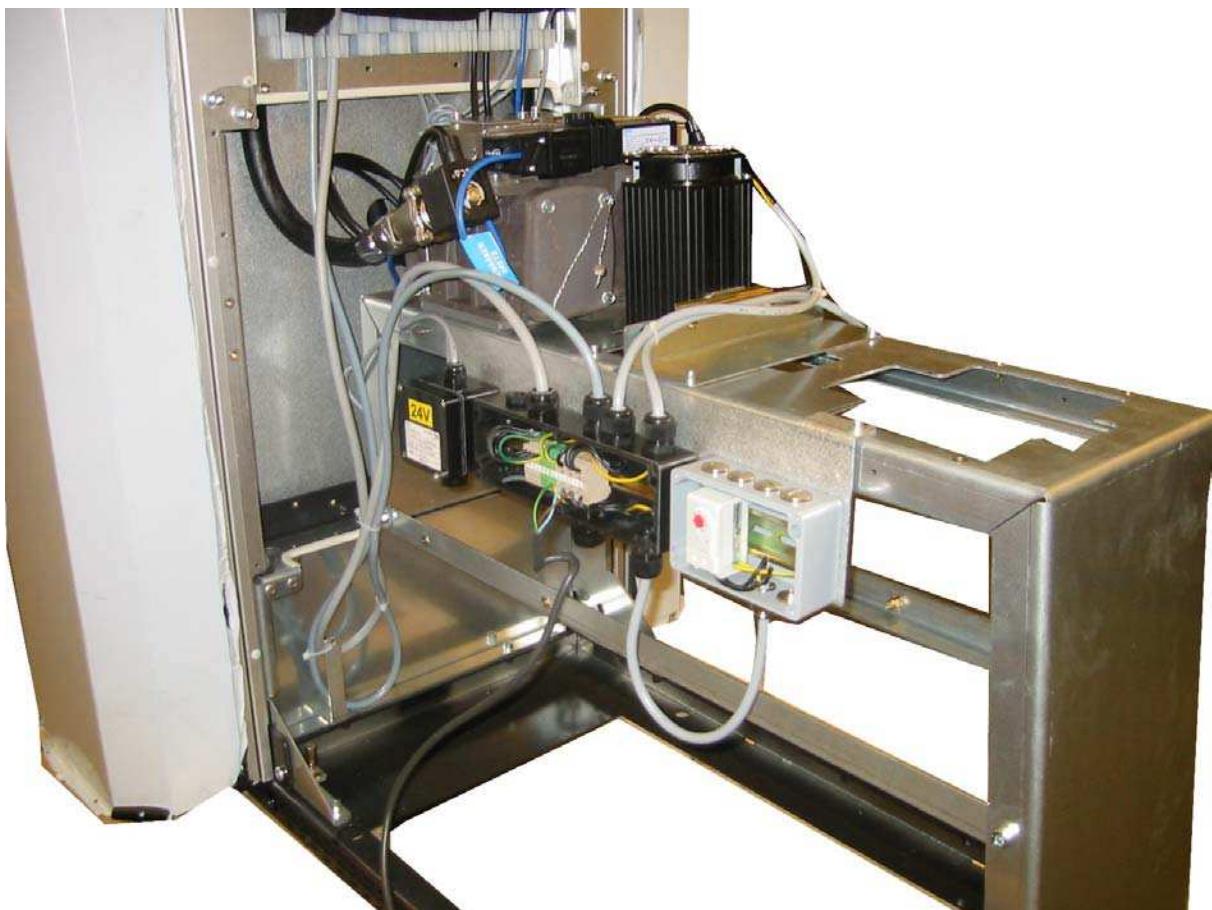


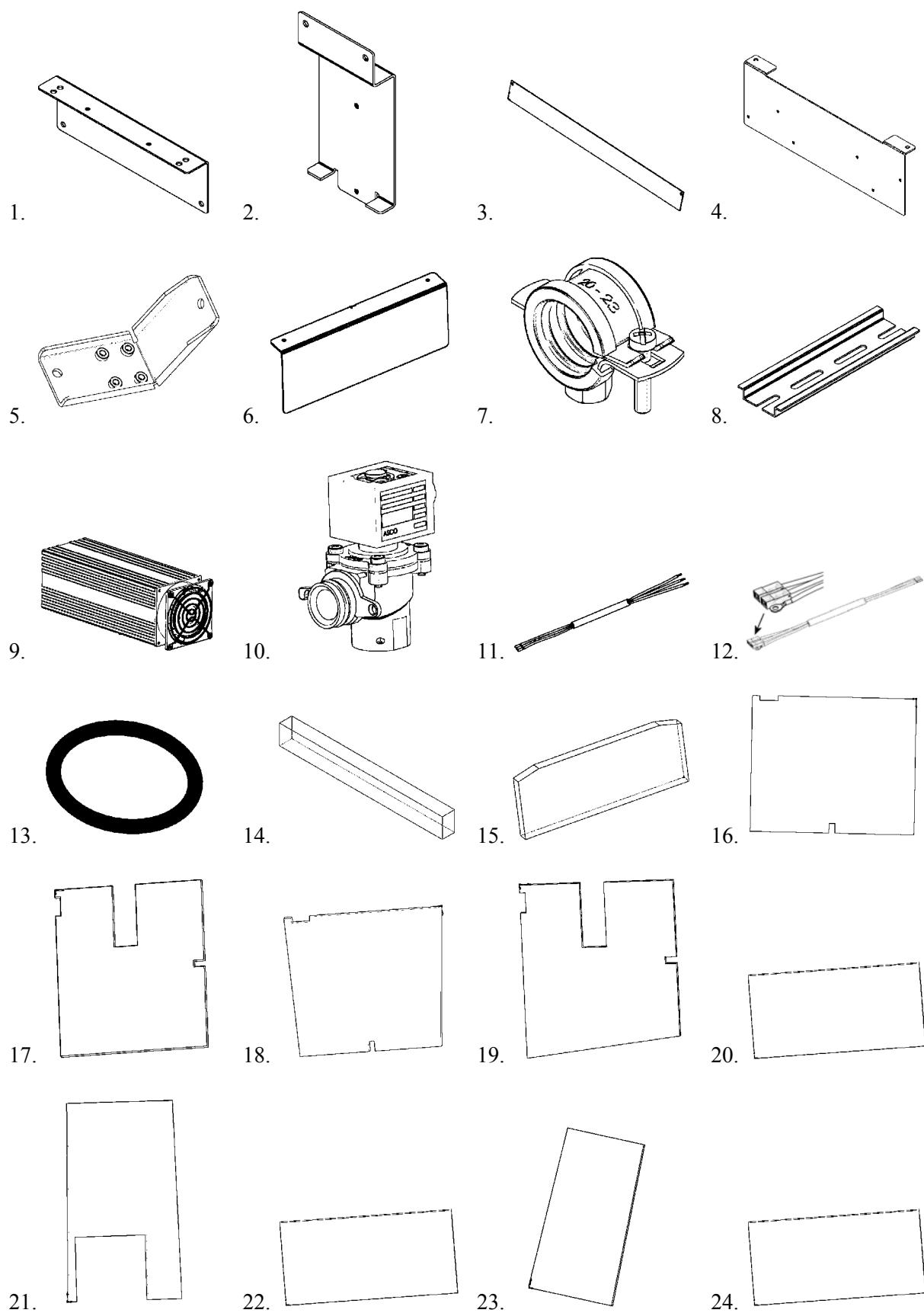
| | Part number | Description |
|----|--------------------|---|
| 1 | WM005101 | Connection B2B |
| 2 | WM005074 | Board B2B |
| | WB000921-0004 | Spacer ID=4.3, OD=8, L=12 (x5) |
| 3 | WM005334 | Support, U-shape B2B |
| 4 | WM005333 | Support, U-shape B2B |
| 5 | see page 116 | Cover plate B2B |
| 6 | WM006074 | Support L-shape B2B |
| 7 | WM006081 | Support L-shape B2B |
| 8 | WM006082 | Cover plate, electronic box B2B |
| 9 | WM006084 | Support box shape, electronic box B2B |
| 10 | WM005360 | Blind panel B2B |
| 11 | WM005362 | Blind panel B2B LPG |
| 12 | WM005260 | Connector, panel, terminal block 4 socket (1x4) |
| 13 | WM003347 | Connector, cable, mini umnl 20 pin (2x10) |
| 14 | WM002590 | Connector, cable, mini umnl 8 pin (2x4) |
| 15 | WM005227 | Connector, cable, mini umnl 6 pin (2x3) |
| 16 | WM005282 | Connector, cable, terminal block 8 socket (1x8) |
| 17 | WB000269-0001 | Gasket emi shielding, 9.5x6.4 |

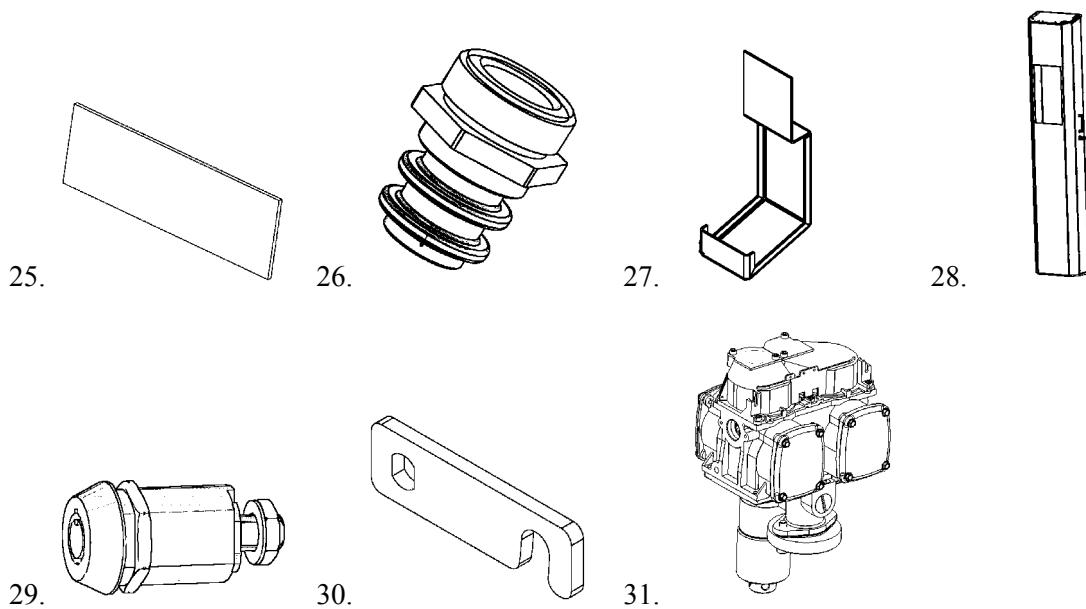
10 SCR (Urea)

SCR = Selective Catalytic Reduction System

The UREA-solution is marketed under the names of AdBlue, Dureal, Nox-care and is used in Diesel engines to reduce Nox-emissions



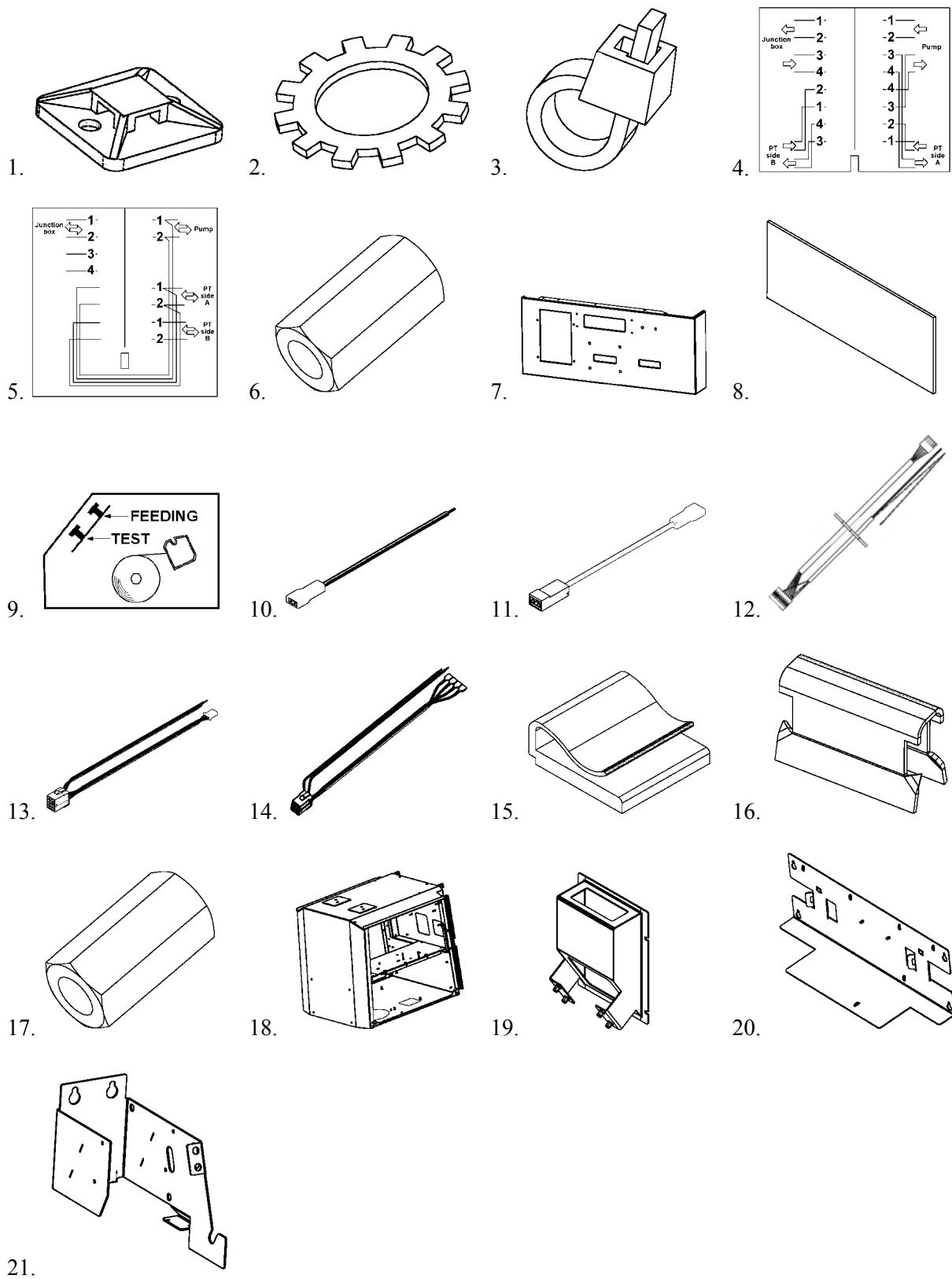




| | Part number | Description |
|----|--|-------------------------------------|
| | see page 103 | Hose |
| | see page 37 | Junction box with thermostat |
| | see page 37 | Junction box high voltage |
| | see page 24 | Meter |
| | see page Fel! Bokmärket är inte definierat. | Nozzle |
| | WM003790 | Silicon, translucent |
| 1 | WE000510 | Support, L-shape, l=245 |
| 2 | WE000521 | Support, U-shape, l=208 |
| 3 | WE000565-0001 | Support, flat l=490mm |
| | WE000565-0002 | l=860mm |
| 4 | WE000557 | Support, L-shape, l=372 |
| 5 | WE000523 | Support, L-shape, 75 deg |
| 6 | WE000532 | Support, L-shape, l=250 |
| 7 | WE000563 | Clamp |
| 8 | WE000572 | Rail, l=115 |
| 9 | WM008897 | Heating element, 400W, 230V |
| 10 | WM0006634 | Solenoid valve |
| 11 | WM008892-0001 | Cable High voltage L=1000 |
| | WM008892-0002 | L=600 |
| 12 | WM003874-0001 | Cable High voltage L=1600 |
| | WM003874-0002 | L=2700 |
| 13 | WM000334 | O-ring T=3.53, ID=23.40 |
| | WM004364 | T=5.15, ID=21 |
| | | Gasket |
| 14 | WE000529 | Isolation, 300x40 |
| 15 | WE000533 | Isolation, 440x170 |
| | | Gasket isolation, frontpanel |
| 16 | WE000524 | 3 mod sida A (Q) |

| | Part number | Description |
|----|--------------------|---|
| 17 | WE000526 | 3 mod sida B (Q) |
| 18 | WE000733 | 3 mod sida A (slope) |
| 19 | WE000734 | 3 mod sida B (slope) |
| | | Gasket isolation, toppanel |
| 20 | WE000527 | 3 mod (Q), isolation, 760x370 |
| 21 | WE000528 | (Q) isolation, 705x400 |
| 22 | WE000735 | 3 mod (slope) Isolation, 705x370 |
| 23 | WE000736 | (slope) isolation, 710x402 |
| 24 | WE000530 | Gasket isolation, 315x210 |
| 25 | WE000531 | Gasket isolation, 1380x450 |
| 26 | WE000571 | Coupling, straight, maler 1"x10, male double bump |
| 27 | WE000699 | Cover plate |
| 28 | | Front panel / door |
| | WM009166-0001 | Side A |
| | WM009166-0002 | Side B |
| 29 | WE000482 | Latch (for Front panel WM009166) |
| 30 | WM001994-0002 | Lock (for Front panel WM009166) |
| 31 | WM004740-0007 | Combined unit, remote inlet and meter (UREA) (see also page 24) |

11 PT3000 details

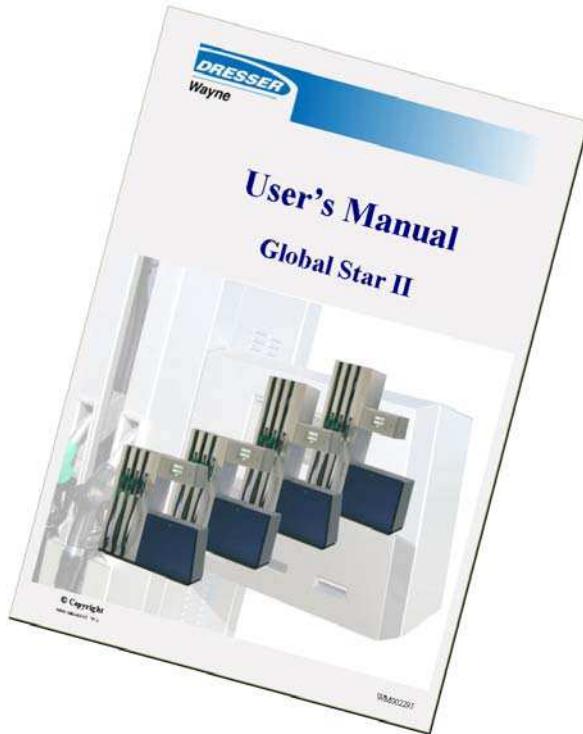


| | Part number | Description |
|----|--------------------|---|
| 1 | WB000595 | Cable tie, mounting base |
| 2 | WB000233-0002 | Washer, lock, M4 ID=4.3, OD=8, T=0.5 |
| 3 | WB000337-0001 | Cable tie 2.5W x 100L |
| | 159856 | Decal for programming PT 3000 |
| | 170203 | Decal receipt change |
| 4 | WM006741 | Sticker pump + Wayne cardterminal |
| 5 | WM006755 | Sticker pump + Wayne cardterminal RS485 |
| | 175799 | Decal transparent for card reader |
| | 175798 | Decal transparent for printer |
| | 402750 | Display PT3000 blue |
| | 231451 | Distance screw hexagon M3X10 N=5 |
| 6 | WB000630-0001 | Spacer M6 x 20, hexagonal |
| | Front panel | |
| 7 | WM004898-0001 | Side A 90 deg, PT lower, SAAB steel grey original |
| | WM004898-0002 | Side A 90 deg, PT lower, Magtek, SAAB steel grey |
| | WM004898-0006 | Side B 90 deg, PT lower, SAAB steel grey original |
| | WM004898-0007 | Side B 90 deg, PT lower, Magtek, SAAB steel grey |
| | Front panel | |
| | WM003363-0001 | Side A, PT lower, SAAB steel grey original |
| | WM003363-0002 | Side B, PT lower, SAAB steel grey original |
| 8 | WM002493 | Glass (154x61) |
| | WM002499 | Glass (93x46) |
| 9 | WM004823 | Instruction label, printer receipt |
| | Cable | |
| 10 | WM003896-0002 | Single wire 1x0.75 BN l=350 |
| | WM003896-0003 | Single wire 1x0.75 BN l=500 |
| | WM003898-0002 | Single wire 1x0.75 BU l=350 |
| | WM003898-0003 | Single wire 1x0.75 BU l=500 |
| 11 | WM003921-0001 | Single wire 1x1.5 BU l=400 |
| 12 | 167542 | For buttons PT3000 |
| | 165755 | Flat 10 pol adapter keyboard PT3X00 |
| | 132817 | Flat 26-pin |
| | 128388 | Flat 26-pin LCD-CT |
| | 156114 | Flat l=350mm |
| | 165754 | ICL keyboard PT3X00 |
| | 169642 | Printer PT3000 international |
| | 169643 | Printer PT3000 international with 4 pos. connector |
| | 169644 | Printer PT3000 international with 3 pos. connector |
| | 172107 | Programming BP PT |
| | 173201 | Program-filling PT3000 |
| | 172164 | SPP without encryption PT3000 |
| | 172123 | Carriage PT3000 phase II |
| 13 | WM004266-0001 | Multi 4x0.34 l=1000, 1x0.75 RD l=800, 1x0.75 BK l=800 |
| 14 | WM004322-0001 | Multi 4x0.5 l=700, 1x0.75 RD l=800, 1x0.75 BK l=800 |
| 15 | WB000593 | Clamp, C-type flat cable, self-adhesive |
| 16 | WM003870 | Clip 2.75 - 3 mm |
| | Cardreader | |
| | 178236 | Omron R/W1,2,3+chip Global Star |
| | 177424 | Magtek Global Star |
| | 164285 | Sankyo ass'y PT 3600 |
| | PCB | |
| | 166106 | Interface RS485/PT3000 |
| | 166105 | Interface CL/RS422/PT3000 |
| | 158370 | Interface printer-PT3000 |
| | 158360 | CPU PT3000 |

| | Part number | Description |
|--|--------------------|--|
| | 159785 | Interface blue display |
| | 176897 | Receipt printer for PT3000/Global Star |
| | 203853 | List-D 12 X 8 |
| | 159417 | Hub |
| | | Gasket |
| | 159970 | PT3000 |
| | WM004731-0001 | 11X4.6 R=30 |
| | WM002496 | 150.5x55.5, W=8, T=2 |
| | WM002497 | 172x113.5, W=5, T=3 |
| | WM002498 | 89x44, W=6, T=2 |
| | WM002495 | 91.5x39, W=8, T=3 |
| | WB000269-0001 | EMI shielding, 9.5X6.4 |
| | 401393 | Paper roll thermo |
| | WM000415 | Power supply 100W (see page 68) |
| | | Software IPT3000 |
| | 140620 | GIA |
| | 141830 | ESSO motor |
| | 140700 | TEST (DE) |
| | 141450 | Fina (NO) |
| | 141460 | Hydro/Texaco |
| | 141440 | JET (SE) |
| | 142350 | BP (PL) |
| | 141880 | BP (PT) |
| | 142120 | ESSO (NO) |
| | 141670 | Shell (NO) |
| | 142320 | Petrogal |
| | 141150 | Q8 (SE) |
| | 142000 | GEM (NL) |
| | 141990 | Statoil |
| | 142460 | AT 3S4YR |
| | 142300 | Hytex (NO) |
| | 142100 | AT |
| | 142470 | IT 3S4YR |
| | 141660 | Hydro (SE) |
| | 142090 | Bank std BCD24/3S4YR-MVF |
| | 141320 | Q8 (SE) BC |
| | 141840 | Bank std BCD24/MCT345 |
| | | Safety encryption PIN PAD |
| | 173233 | (NO) |
| | 163310 | Demo |
| | 174002 | ESSO/bank (NO) |
| | 156654 | Fina (NO) |
| | 158117 | Hydro (NO) |
| | 163314 | Hydro/BS |
| | 173900 | Hydro/Texaco bank (NO) |
| | 155134 | JET (SE) |
| | 166124 | Lundkvist (SE) |
| | 165704 | OK/bank |
| | 167562 | PREEM (SE) |
| | 154654/001 | PT (Keymat) |
| | 155133 | Q8 (S) |
| | 167526 | Shell/B |
| | 163313 | Shell/BA |
| | 173298 | std (NL) (KEYMAT) |
| | 170312 | std (NO) |
| | 163309 | Volvo (SE) |

| | Part number | Description |
|----|--------------------|--|
| 17 | WB000332-0002 | Spacer M3 x 18, hexagonal |
| 18 | WM002619 | Support, box-shape electronic head generation I PT3000 |
| 19 | WM003756-0001 | Support, box-shape pin-pad, SAAB steel grey original |
| 20 | WM003724 | Support, L-shape |
| 21 | WM002318 | Support, U-shape |
| | 166101 | Buzzer ass'y PT3000 with 2-pole contact |
| | | Keyboard |
| | 402744 | Keymat ICL Statoil (SE) |
| | 402745 | Keymat 1x4 row |
| | 402919 | Keymat ICL Statoil (DK) |
| | 172182 | BP (UA) |
| | 174036 | Delek IL |
| | 174696 | (IT) |
| | 165523 | Mobil/Chevron (KZ) |
| | 174046 | W (ZA) |
| | 158353 | Membrane type 3X4 |
| | 170206 | Cover to ICL keyboard |
| | 203617 | Tape doubleadhesive black width=1/4" |
| | 203672 | Tape Mactac IM-1710 doubleadhesive width=1/2" |
| | 402613 | Printer Axiohm |
| | 163422 | Knife ass'y PT3000 |
| | 176860 | Heater kit big electronic head GlobaL Star |
| | | Screw |
| | 231967 | MRT M3X6 Torx |
| | 232396 | KX-PT K35x8 FZB |
| | 231966 | MRT M6X10 TORX |
| | 230998 | RTS ST2,9X16 FZB |
| | WB000629-0001 | Hex head, M6 X 16 |
| | WB000228-0003 | Nut, M6 |
| | WB000228-0002 | Nut, M4 |
| | WB000229-0002 | Lock nut, M4 |

12 Documents



| Part number | Description |
|--------------------|---|
| | User's Manual Global Star HH and LHR (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 |

| | Part number | Description |
|--|--------------------|---|
| | | User's Manual Global Star LPG (with installation drawings) |
| | WM004986 | DE |
| | WM005778 | FR |
| | WM004756 | GB (English) |
| | WM005515 | NL |
| | WM004985 | SE |
| | WM005038 | UA |
| | | User's Manual Global Star SCR (with installation drawings) |
| | WM008683 | DE |
| | WM008682 | GB (English) |
| | WM009652 | RO |
| | WM010149 | SE |
| | | Painting Instructions |
| | 461399 | Global Star LHR phase II |
| | 461401 | Global Star HH phase II |
| | 461386 | B2B |
| | 461385 | LPG |
| | 461362 | Spare Parts Global Star phase 2 (this manual) (phase 3 see 461420) |
| | 461251 | Spare part list SAT II |
| | 461383 | A/L test and Maintenance, Vapour recovery pump (8014-5.0) from ASF Thomas |
| | WM007588 | Shortend Hose Reach |
| | WM003969 | Wiring Diagram |

13 Kit

| | Part number | Description |
|--|--------------------|---|
| | 174055 | Modifying kit, WIP + magnetic wheel + O-rings |
| | WM008883 | Air venting kit (see document WM008901) |

14 Notes

15 Market & Service

Sweden

Dresser Wayne AB

Limhamnsvägen 109
Box 30049
SE-200 61 Malmö

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Fax + 46 40-15 03 81

www.wayne.se
E-mail: info@wayne.se

**Felanmälan Sverige:
(Help desk)**
Tel: 0771-420430
E-mail: service@wayne.se

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Dresser Wayne Pignone - Deg Italia S.p.a.

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Fax +39 055 3039 007

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www.wayneuk.com
E-mail: Sales@bonx-wayne.com

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Tel. +49 (0) 5561 / 794 -0
Fax +49 (0) 5561 / 794 -187
www.wayne-europe.com
E-Mail: info@wayne-europe.com





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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.

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Wayne Dresser entwickelt, produziert und vermarktet komplett 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.

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.

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

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

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 институциями 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.