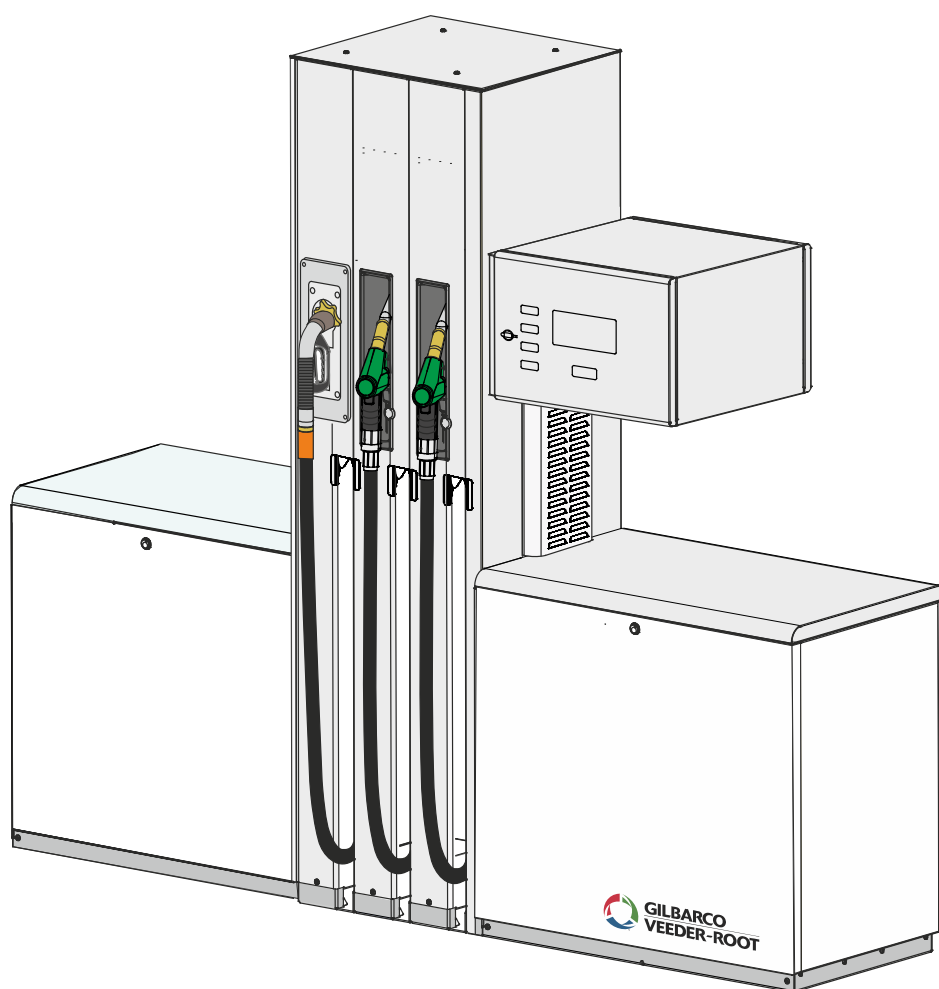


Gilbarco®

Pumps & Dispensers Series SK700-2™ with LPG

Spare Parts List



Document not subject to updating service

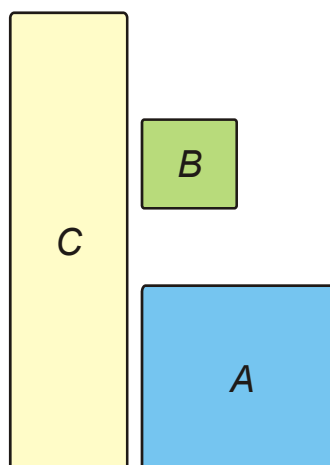
Contents

A - Hydraulics

B – Display housing

C - Hose column

The drawing on the right hand side shows the different sections of the dispenser. The letters A to C also refer to the relevant chapter in this spare parts list. So it should be easy to localise the respective spare parts.



A – Pumping units, C+Meter, electrical motors, magnet valves, pulser	1
Metering units and valves.....	2
Panel overview	3
B – Computer system Sandpiper with all components.....	4
Display housing, door nodes	5-7
C – Hose column ,nozzles, hoses, hose guide ,panels, LPG components.....	8-11
Nozzle boot and switch.....	12
Assemblies:	
Pumping unit GPU-90	13
Pumping unit GPU-140	14
Vapour recovery system ASF 8014.....	15
Vapour recovery system Dürr.....	15.1

Reference to the hydraulic components of FAS, Combined Gas, Meurs and Pretrolmeccanica: Spare parts are available from the respective manufacturer.

Ordering Instructions & Type Key

Instructions for ordering spare parts

1. First of all find out the page-no. of the spare part drawing/illustration and the spare part list in the table of contents.
2. Now find the Item-No. of the spare part in the spare part drawing/illustration.
3. In the spare part lists you find the description, article-no. and number of pieces under the Item number (if necessary with sub-item).

The number of pieces for bolts, screws, linking elements and other accessories refer to one piece of the preceding sub-assembly.

Pay attention to the corresponding notes.

4. Spare part order should contain the following information:

Part No.

Description (if necessary, colour etc.)

Number of quantity (Qty.)

Type, year of construction and serial number of the petrol pump

Type key

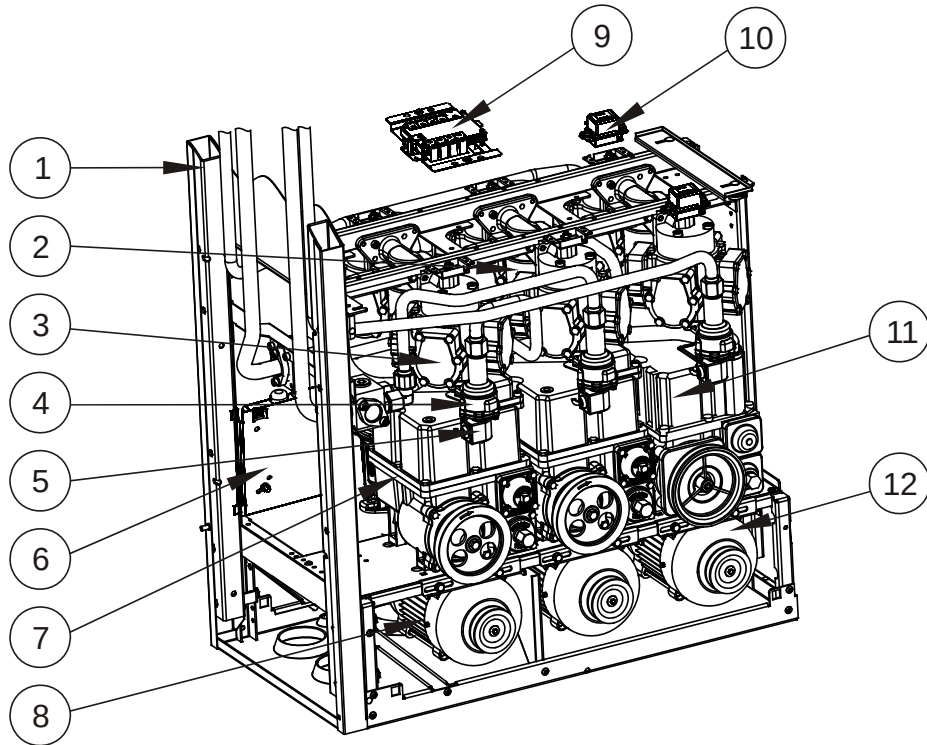
Examples:

SK700-2	CR	4/2/4	C			DK	MS			LPG
SK700-2	CR	1/1/1	C	L		DK	DP			LPG
SK700-2	CR	2/1/2	E	R				UHF	SAT	LPG

Type	SK700-2	CR	4/2/4	C			DK	MS			LPG
CR = with hose retraction	SK700-2	CR	1/1/1	C	L		DK	DP			LPG
Number of C-Meter or Ecometer	SK700-2	CR	2/1/2	E	R				UHF	SAT	LPG
Number of pumping units											
Number of hoses											
C = C-Meter											
E = Ecometer											
Hose on one side only:											
L = Hoses to left of display = LHS or Side 1											
R= Hoses to right of display = RHS or Side 2											
DK = one module for Diesel											
MS = Middle Speed = 40/70L /min Button Select											
DP = Submerged turbine pump (STP)											
UHF = Ultra High Flow = 120L /min											
SAT = Satellite											
LPG-Modul											

SK 700-2

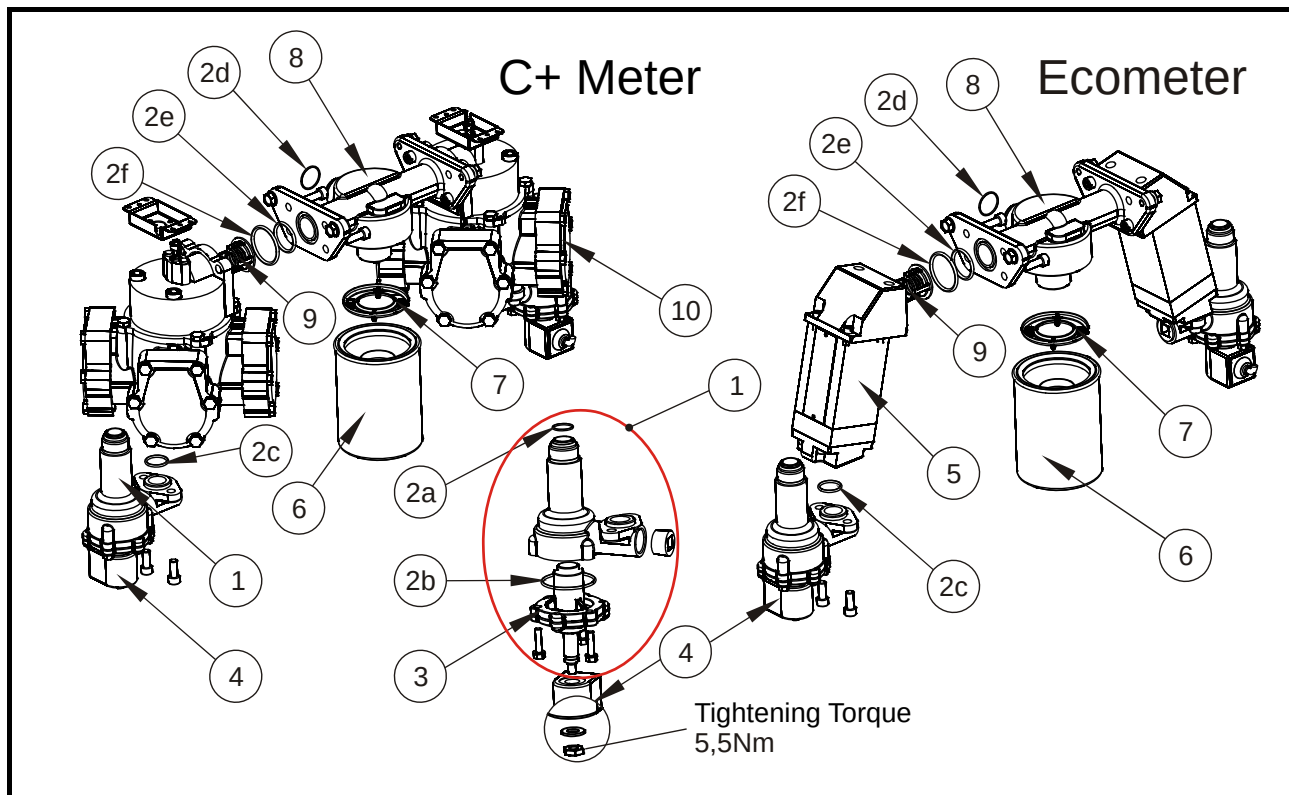
Hydraulics for Diesel and fuel



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1			Frame for hydraulic, complete:	8	1	140 863 102	Three phase motor 400V/0,75 kW with belt pulley and carrier
a	1	140 861 141	Hydraulic module for 4/2/4, 800mm	9	1	140 872 785	IS Hub, routine tested/MID
b	1	140 861 151	Hydraulic module for 6/3/6, 935mm	10	1	140 876 445	Pulser, routine tested/MID
c	1	140 861 161	Hydraulic module for 8/4/8, 1185mm	11	1	140 941 525	Pumping unit GPU 140, routine tested/MID
2			Filter element for Diesel and Petrol:	11.1	1	140 904 945	Pumping unit GPU 140, routine tested/MID, exchange
			<i>(For Bio-Diesel on request possible)</i>	12	1	140 863 132	Three phase motor 400V/1,5 kW with belt pulley and carrier
a	1	140 593 564	G 1 ½ " x 140 lg, 10µm for Petrol	12.1	1	140 599 446	V-belt 13 x 686 for three phase motor 0,75kW and 1,5kW
b	1	140 632 746	G 1 ½ " x 140 lg, 30µm for Diesel	☼	1	140 941 505	ATC HUB, routine tested/MID
c	1	140 635 126	G 1 ½ " x 200 lg, 30µm for Diesel – HS	☼ <i>(Components are not shown in the drawing!)</i>			
d	1	140 659 893	Cap (For use without pressure filter)				
			<i>(For C+Meter, the pressure filter is available as an option!)</i>				
3	1	140 939 265	C+Meter, routine tested/MID				
3.1	1	140 939 275	C+Meter, routine tested/MID, cold temp.				
4	1	140 863 832	Proportional valve cpl., without coil				
5	1	140 909 506	Coil 24 V for proportional valve				
6	1	140 865 766	Junction box				
6.1	1	140 865 673	Holder for junction box				
7	1	140 841 515	Pumping unit GPU 90, routine tested/MID				
7.1	1	140 869 735	Pumping unit GPU 90, routine tested/MID, exchange				

SK 700-2

Metering units and valves

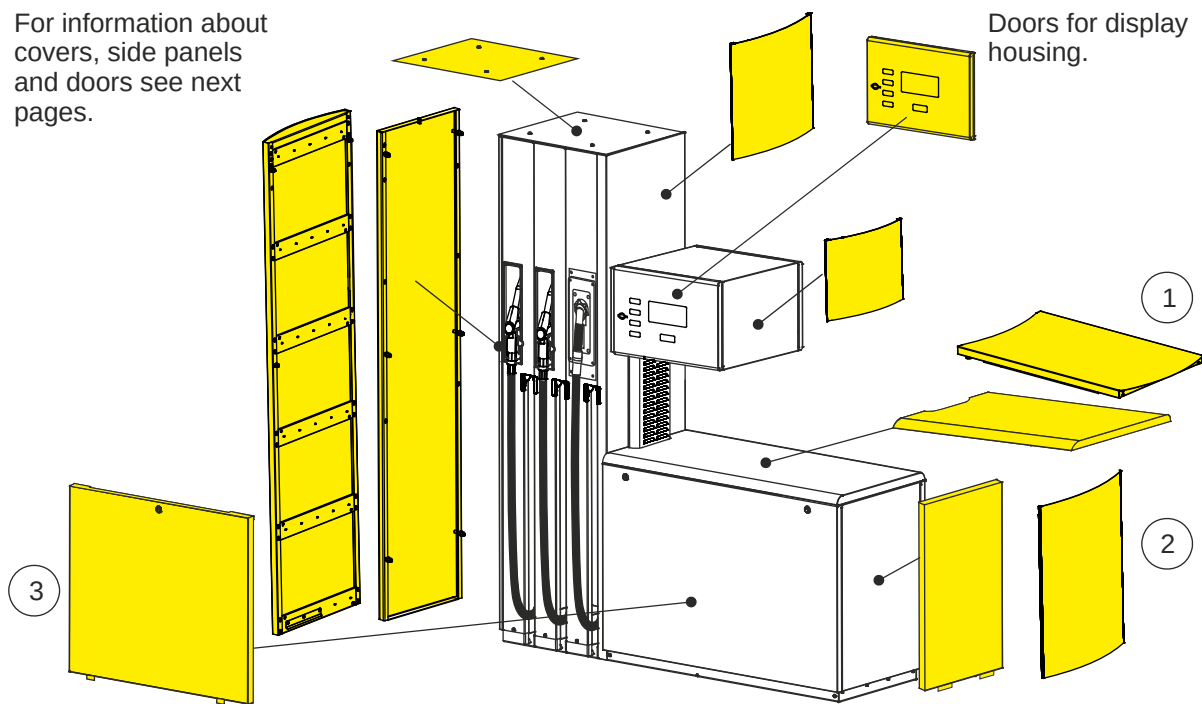


Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140 863 832	Proportional valve cpl., without coil	7	1	140 778 656	Strainer insert
2	1	140 914 705	Sealing kit for metering unit and manifold:	8	1	140 863 781	Manifold housing
2a	2		O-Ring 19 x 1,5	9	1	140 620 186	Check valve
2b	2		O-Ring 52 x 2,5	10	1	140 939 265	C+Meter, routine tested/MID
2c	2		O-Ring 22 x 2,5	10.1	1	140 939 275	C+Meter, routine tested/MID, cold temp.
2d	1		O-Ring 25 x 1,5				
2e	2		O-Ring 30 x 3,5				
2f	2		O-Ring 40 x 3,5				
3	1	140 804 666	Proportional valve				
4	1	140 909 506	Coil 24 V for proportional valve				
5			Ecometer:				
a	1	140 873 705	Ecometer routine tested/MID				
b	1	140 873 725	Ecometer routine tested/MID, exchange				
c	1	140 941 085	Pulser, routine tested/MID				
6			Filter element for Diesel and Petrol: (For Bio-Diesel on request possible)				
a	1	140 593 564	G 1 ½ " x 140 lg, 10µm for Petrol				
b	1	140 632 746	G 1 ½ " x 140 lg, 30µm for Diesel				
c	1	140 635 126	G 1 ½ " x 200 lg, 30µm for Diesel - HS				
d	1	140 659 893	Cap (For use without pressure filter) (For C+Meter, the pressure filter is available as an option!)				

SK 700-2

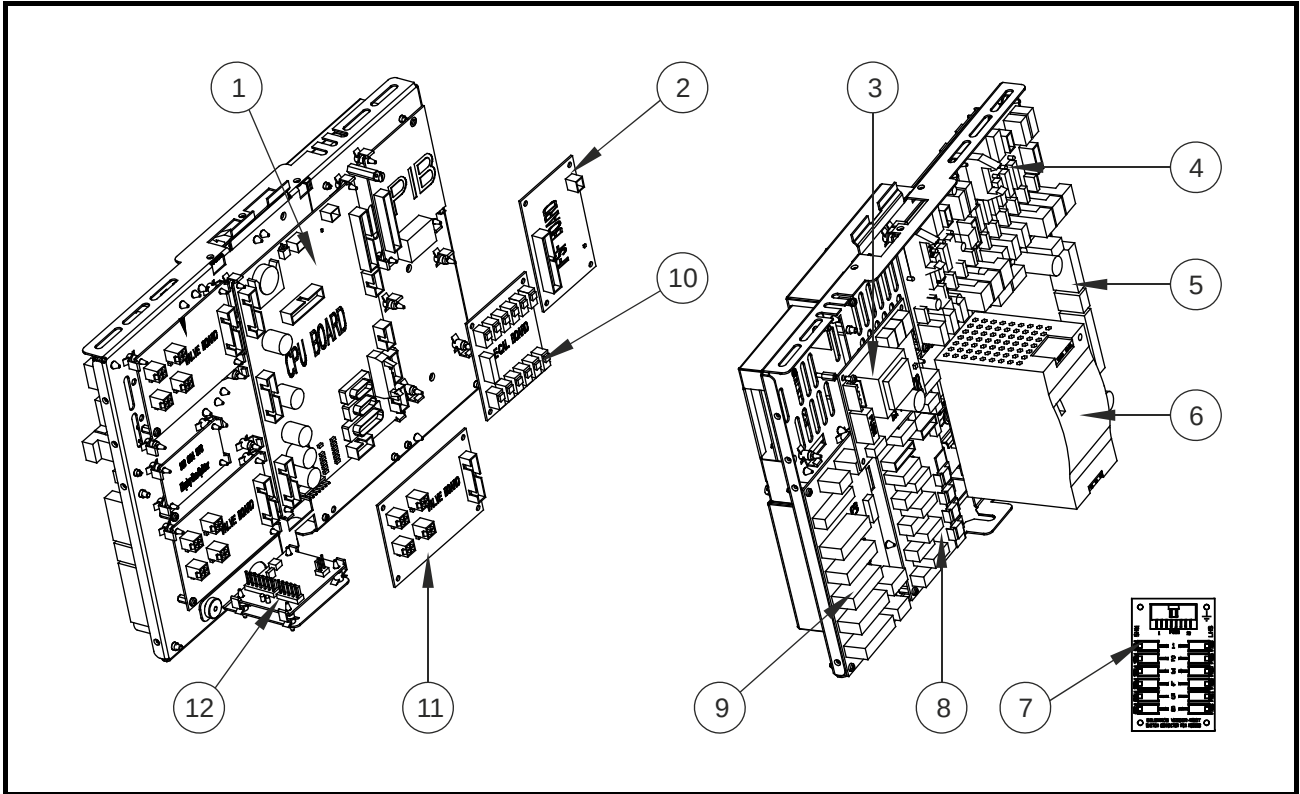
Panel overview

For information about covers, side panels and doors see next pages.



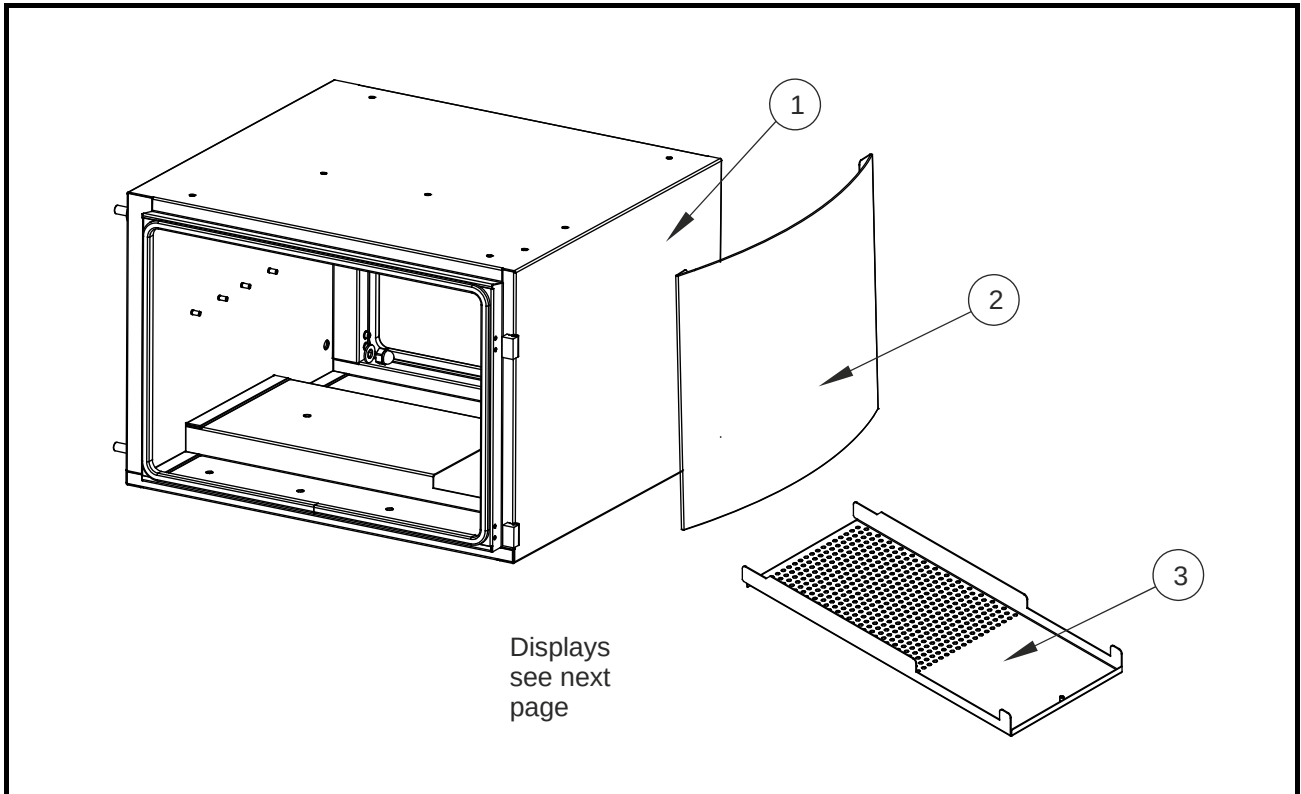
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1			Cover, powder coated:				
a	1	140 862 602	Cover 798 mm for 4/2/4				
b	1	140 862 642	Cover 933 mm for 6/3/6				
c	1	140 862 682	Cover 1183 mm for 8/4/8				
d	1	140 953 622	Cover 1433 mm for 10/5/10				
			Cover, stainless steel:				
a	1	140 861 412	Cover 798 mm for 4/2/4				
b	1	140 861 402	Cover 933 mm for 6/3/6				
c	1	140 861 422	Cover 1183 mm for 8/4/8				
d	1	140 953 672	Cover 1433 mm for 10/5/10				
1.1			Cover curved, stainless steel:				
a	1	140 884 892	Cover 798 mm for 4/2/4				
b	1	140 884 922	Cover 933 mm for 6/3/6				
c	1	140 884 952	Cover 1183 mm for 8/4/8				
2	1	140 862 567	Side panel, powder coated				
2a	1	140 861 362	Side panel, stainless steel				
2.1	1	140 884 372	Side panel curved, powder coated				
2.1a	1	140 884 362	Side panel curved, stainless steel				
3			Front/rear panel with cyl. lock and lock lever, powder coated:				
a	1	140 861 502	Front/rear panel, 800 mm for 4/2/4				
b	1	140 861 482	Front/rear panel, 935 mm for 6/3/6				
c	1	140 861 512	Front/rear panel, 1185 mm for 8/4/8				
d	1	140 952 281	Front/rear panel, 1435mm for 10/5/10				
3.1	1	140 863 403	Lock assembly cpl.				

SK 700-2
Computer system Sandpiper-2 with all components



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140 876 475	CPU Board, routine tested/MID	11	1	140 836 076	Proportional Drive Valve Board
2			Interfaces for data exchange:	12	1	140 836 136	Battery Backup Board
a	1	140 770 966	IFS Board	☼	1	140 859 933	Accumulator kit cpl., 12V/1,3Ah
b	1	140 786 075	ER3 Interface				☼ (Components are not shown in the drawing!)
c	1	140 822 846	ATCL Interface				
d	1	140 884 406	PIB Pumalan Opto isolated Input Board				
3	1	140 941 485	IS Interface Board, routine tested/MID				
4	1	140 896 806	POBA Parallel Output Board AC				
5	1	140 877 886	VRB Vapour Recovery Board with monitoring				
5.1	1	140 917 196	VRB Vapour Recovery Board without monitoring				
6	1	140 810 856	Switching power supply, 24V/100W				
7	1	140 863 806	Switch Connector PCA				
8	1	140 836 156	Motor AC Switching Board, single phase				
9	1	140 948 106	STP AC Switching Board, 3 phase				
10	1	140 876 465	Ecal Board, routine tested/MID				

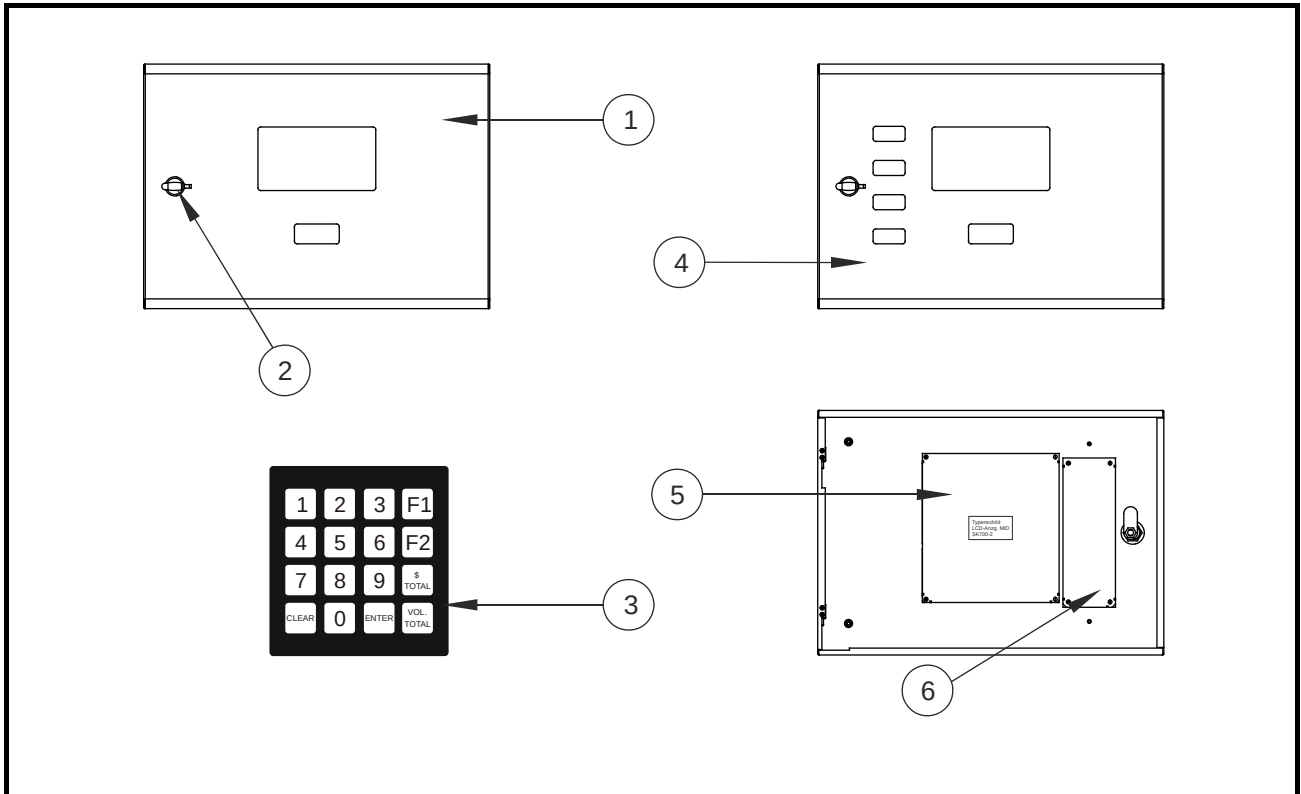
SK 700-2
Display housing



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140 938 611	Display housing 523 x 358 cpl.				
2	1	140 887 893	Side panel, stainless steel				
3	1	140 887 582	Cover cpl. for cable conduit				

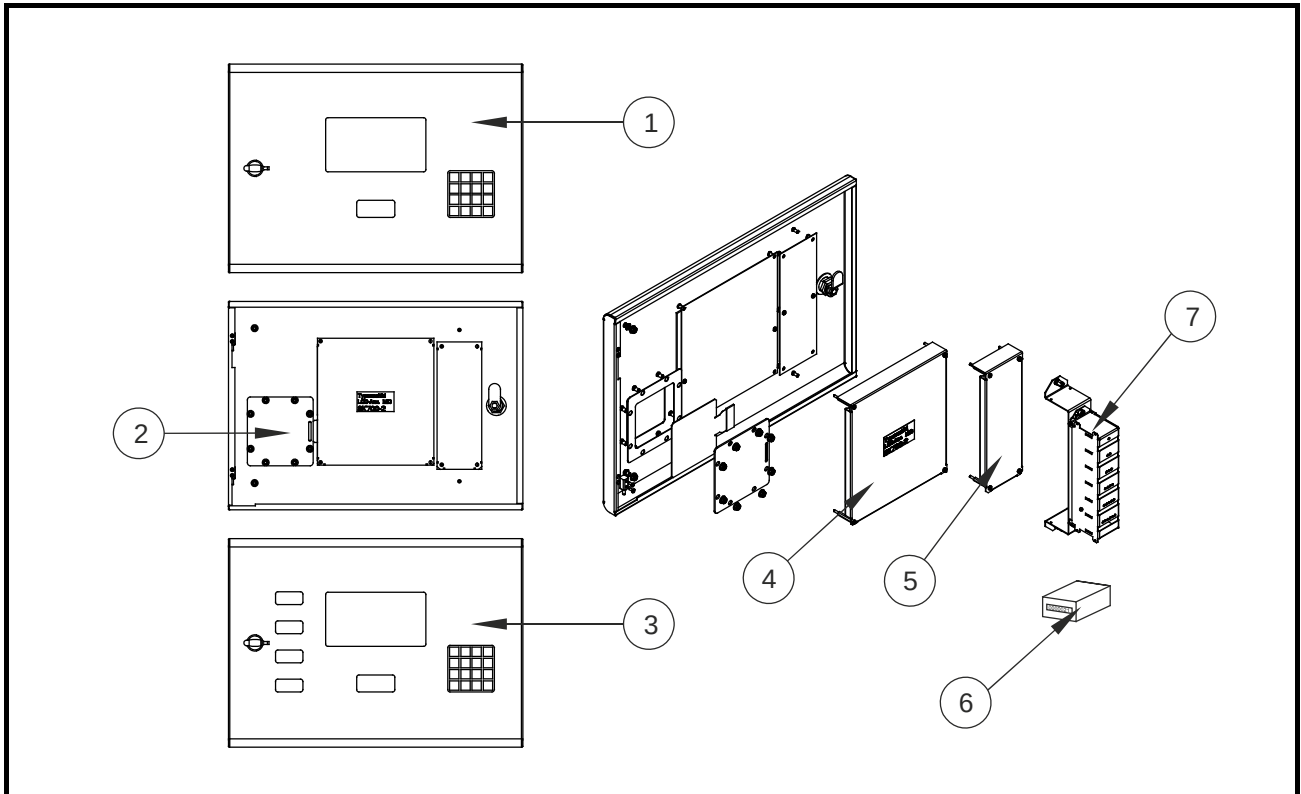
SK 700-2

Door node, useable for left and right side



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140 942 127	Door powder coated, for 1 PPU <i>Notice: All doors without lettering!</i>				
2	1	140 914 725	Cyl. Lock cpl.				
3	1	140 868 196	Manager Key-Pad				
4	1	140 942 147	Door powder coated, for multi PPU				
5	1	140 970 835	Combi main display, routine tested/MID				
6	1	140 950 006	Multi PPU display				

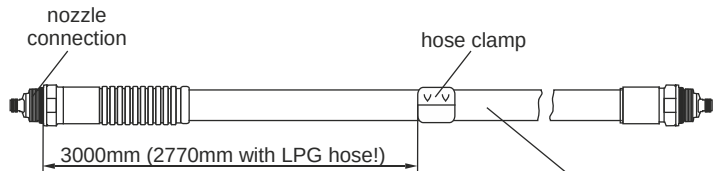
SK 700-2
Door node with preselection



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140 942 167	Door for preselection, powder coated, for 1 PPU				
			<i>Notice: All doors without lettering!</i>				
2	1	140 948 005	Preselection keypad				
3	1	140 942 187	Door for preselection, powder coated, for multi PPU				
4	1	140 955 093	Cover for combi main display				
5	1	140 955 113	Cover for multi PPU				
6	1	140 910 806	Totalizer unit				
7	1	140 888 273	Holder for totalizer				

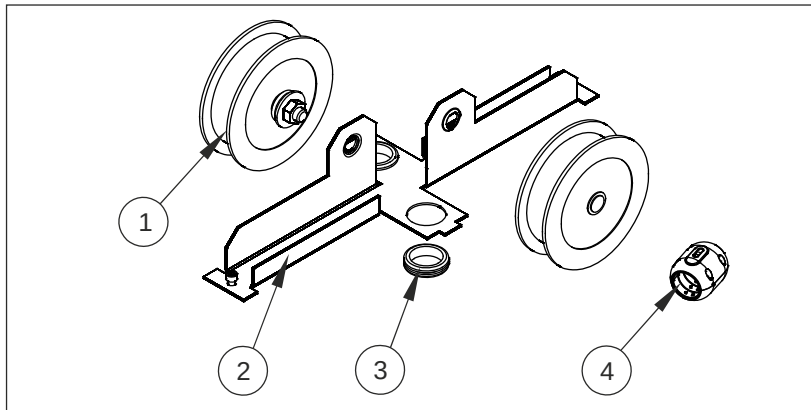
SK 700-2 Retract (CR)

Information for the hose clamp assembling

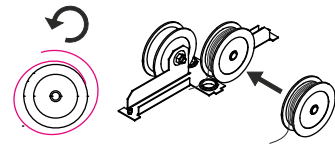


Attention: The position of the hose clamp is important for the function of the cord retract.

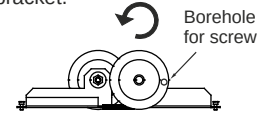
Hose should be pulled straight with no turns or twists when clamp is placed !



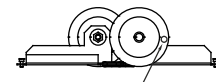
Retriever assembling



Wind the cord in an anti-clockwise direction. Install the retriever to the bracket.



For the necessary pre-tension, turn the retriever three to four times in an anti-clockwise direction and block it with a screw.

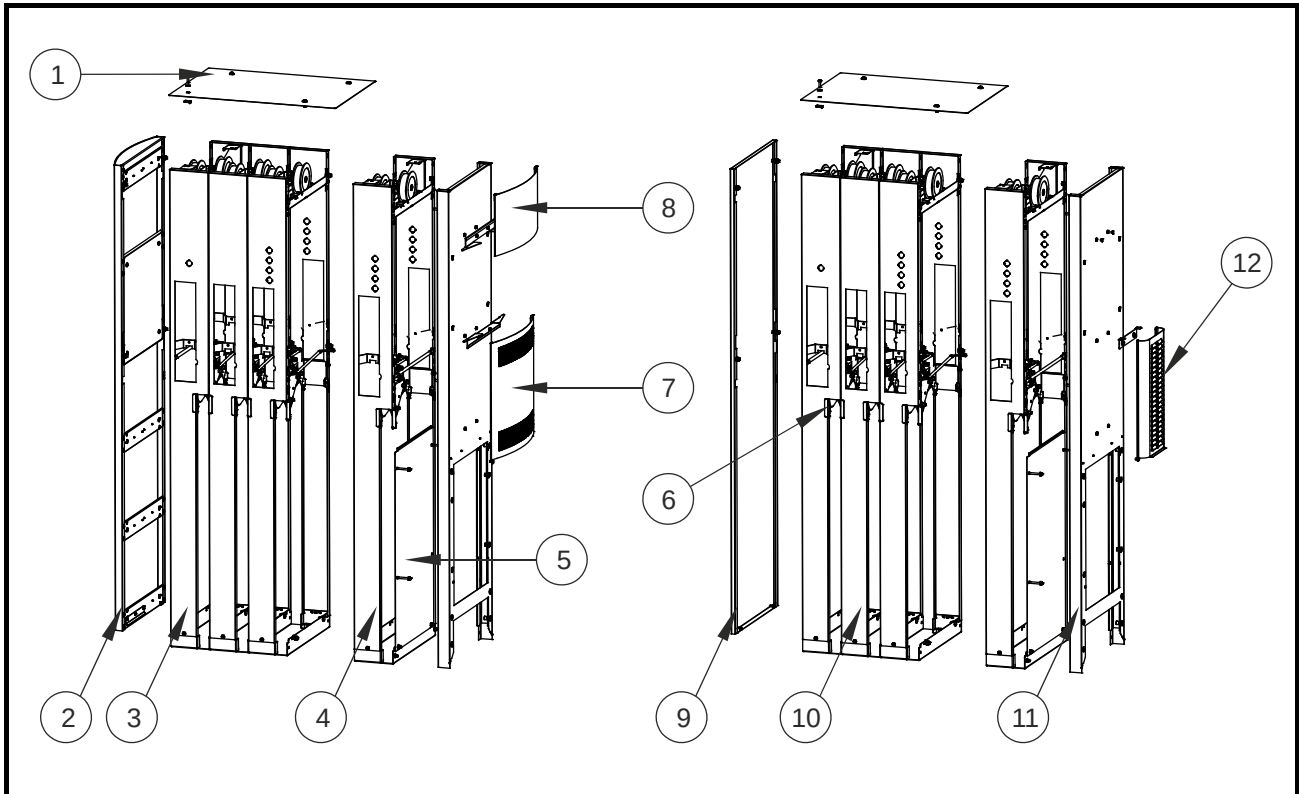


Now the cord can be connected with the hose clamp.

Attention: After this remove the screw from the retriever.

Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140 854 156	Retriever reel and cable				
1.1	1	140 855 876	Cable for retriever				
2	1	140 862 332	Reel hanger bracket				
3	1	140 856 976	Rubber piece				
4	1	140 836 492	Hose clamp cpl.				

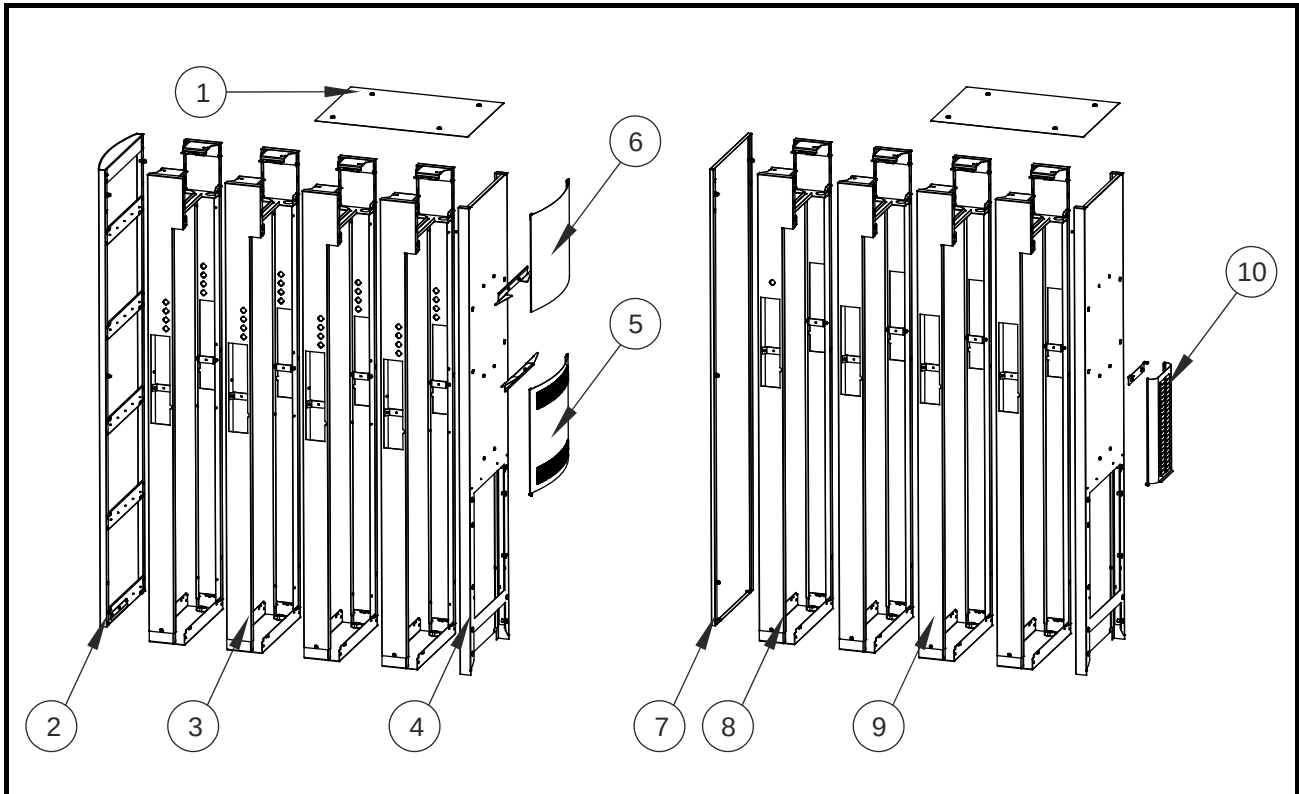
SK 700-2
Hose column with Cord Retract (CR)



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1			Cover, stainless steel:	9			Side panel for hose column:
a	1	140 916 433	Cover 213 mm for 2/1/2	a	1	140 923 162	Stainless steel
b	1	140 919 103	Cover 378 mm for 4/2/4	b	1	140 923 122	Powder coated
c	1	140 915 373	Cover 543 mm for 6/3/6	10			Hose column cpl.:
d	1	140 915 393	Cover 708 mm for 8/4/8	a	1	140 959 772	Stainless steel
e	1	140 952 211	Cover 873 mm for 10/5/10	b	1	140 958 672	Powder coated
2	1	140 918 251	Side panel for hose column, curved, stainless steel	11			Distance profile cpl.:
3			Hose column MS cpl.:	a	1	140 960 031	Stainless steel
a	1	140 959 792	Stainless steel	b	1	140 959 951	Powder coated
b	1	140 959 072	Powder coated	12	1		Cover for cable:
4			Hose column GS cpl.:	a	1	140 914 633	Stainless steel
a	1	140 959 652	Stainless steel	b	1	140 904 692	Powder coated
b	1	140 958 512	Powder coated				
5	1	140 930 195	Panel with fixing				
6	1	140 840 802	Roller				
7	1	140 884 043	Side panel below, curved, stainless steel				
8	1	140 960 113	Side panel above, curved, stainless steel				

SK 700-2

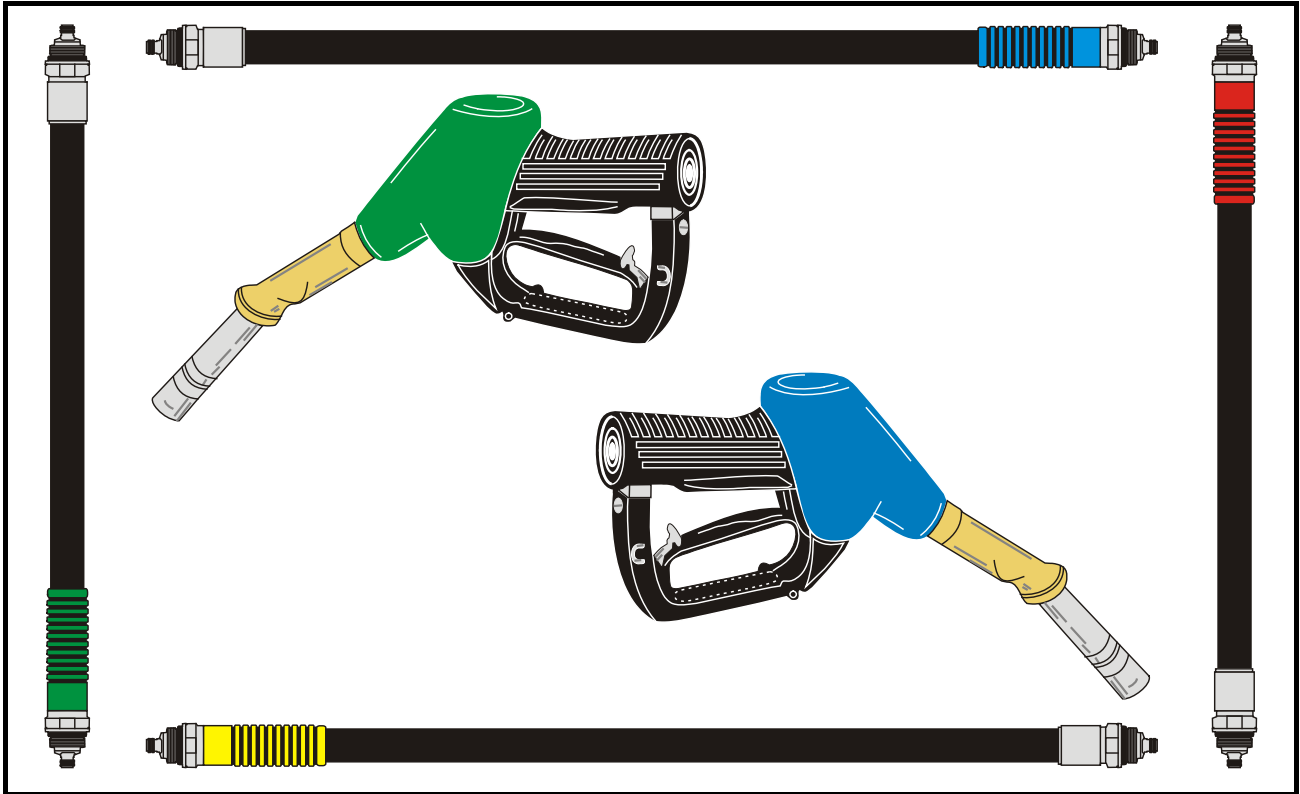
Hose column without hose retraction



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1			Cover, stainless steel:	8			Hose column MS cpl.:
a	1	140 916 433	Cover 213 mm for 2/1/2	a	1	140 945 161	Stainless steel
b	1	140 919 103	Cover 378 mm for 4/2/4	b	1	140 945 451	Powder coated
c	1	140 915 373	Cover 543 mm for 6/3/6	9			Hose column cpl.:
d	1	140 915 393	Cover 708 mm for 8/4/8	a	1	140 945 091	Stainless steel
e	1	140 952 211	Cover 873 mm for 10/5/10	b	1	140 945 341	Powder coated
2	1	140 946 451	Side panel for hose column, curved, stainless steel	10	1		Cover for cable:
3			Hose column GS cpl.:	a	1	140 914 633	Stainless steel
a	1	140 947 891	Stainless steel	b	1	140 904 692	Powder coated
b	1	140 947 921	Powder coated				
4			Distance profile cpl.:				
a	1	140 946 061	Stainless steel				
b	1	140 946 151	Powder coated				
5	1	140 884 043	Side panel below, curved, stainless steel				
6	1	140 883 993	Side panel above, curved, stainless steel				
7			Side panel for hose column:				
a	1	140 915 352	Stainless steel				
b	1	140 925 612	Powder coated				

SK 700

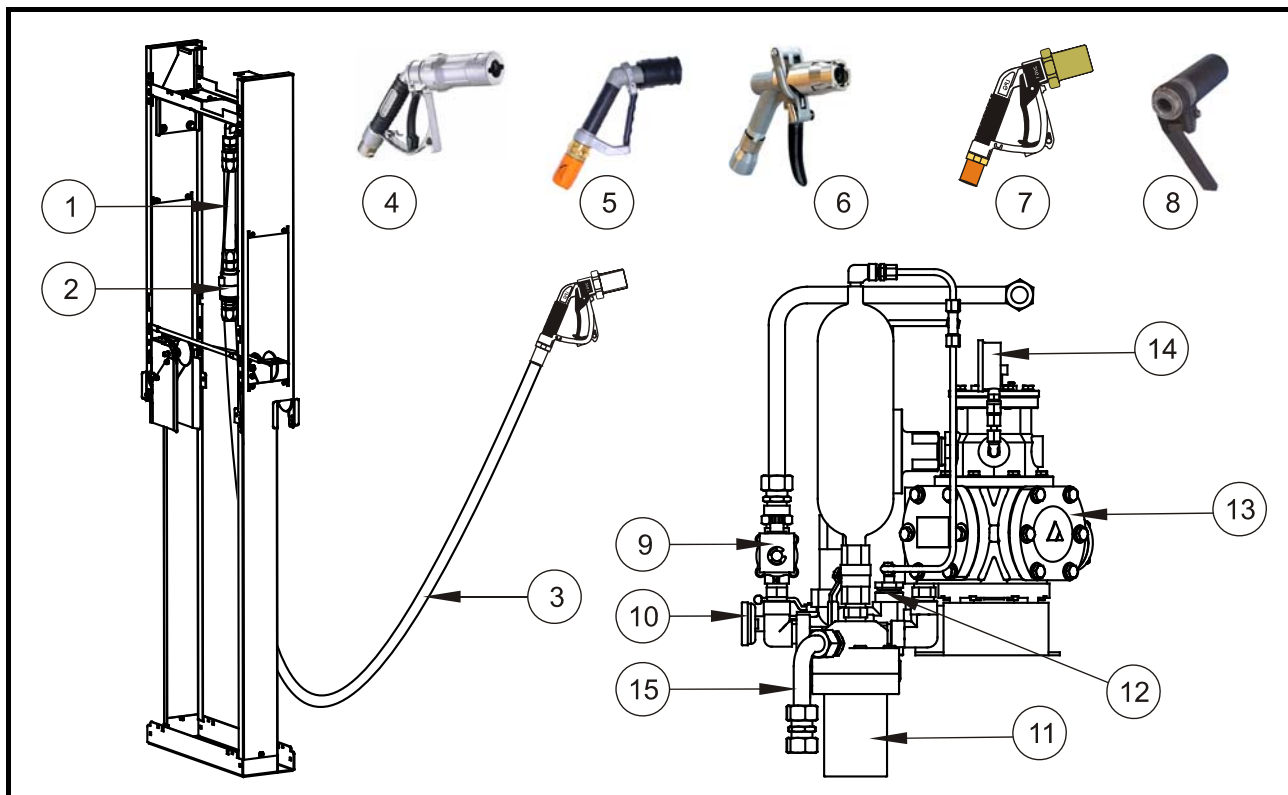
Hoses and nozzles for Petrol and Diesel



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
Following a standard selection of available hoses and nozzles, other types on request possible.				☼ Nozzles for Petrol and Diesel:			
☼			Hoses for Petrol and Diesel, without identification sleeve, CR:	a	1	140 598 866	ZVA 3.0 T for DK
a	1	140 852 566	Slimline 21 x 4,80m KS 21, black	a1	1	140 491 985	ZVA 3.0 T for DK, exchange
b	1	140 852 586	Slimline 21 x 4,90m KS 21 Bio-DK, black	b	1	140 627 926	ZVA 25.3 for DK
c	1	140 852 576	Slimline LT 21 x 4,80m KS 21, black	b1	1	140 491 995	ZVA 25.3 for DK, exchange
d	1	140 852 556	Coax 21 LT GR x 4,70m KS 21 VK, black	c	1	140 628 726	ZVA 3.0 R, unleaded, cover black
☼			Hoses for Petrol and Diesel, without identification sleeve, OR:	c1	1	140 498 645	ZVA 3.0 R, unleaded, cover black, exchange
a	1	140 773 926	Slimline LT 21 x 3,40m KS 21 DK, black	d	1	140 635 166	ZVA 3.0 R, unleaded, cover green
b	1	140 774 936	Slimline 21 x 3,40m KS 21 VK, black	d1	1	140 653 805	ZVA 3.0 R, unleaded, cover green, exchange
c	1	140 773 946	Slimline 21 x 3,40m KS 21 Bio-DK, black	e	1	140 645 596	ZVA 3.0, leaded, cover red
d	1	140 773 966	Slimline LT 21 x 3,30m KS 21 DK, black, 120/40 L	e1	1	140 545 895	ZVA 3.0, leader, cover red, exchange
e	1	140 773 976	Slimline 21 x 3,30m KS 21 Bio-DK, black, 120/40 L	f	1	140 598 856	ZVA X 203-GR V3, unleaded for VRS, cover black
f	1	140 773 956	Coax 21GR x 3,30m KS 21, black (The hoses are not demountable!)	f1	1	140 638 295	ZVA X 203-GR V3, unleaded for VRS, cover black, exchange
				g	1	140 622 286	ZVA X 203-GR V3, unleaded for VRS, cover green
				g1	1	140 628 045	ZVA X 203-GR V3, unleaded for VRS, cover green, exchange
				h	1	140 641 806	ZVA X 203-GR V3, leaded for VRS, cover red
				h1	1	140 641 815	ZVA X 203-GR VR, leaded for VRS, exchange

SK 700

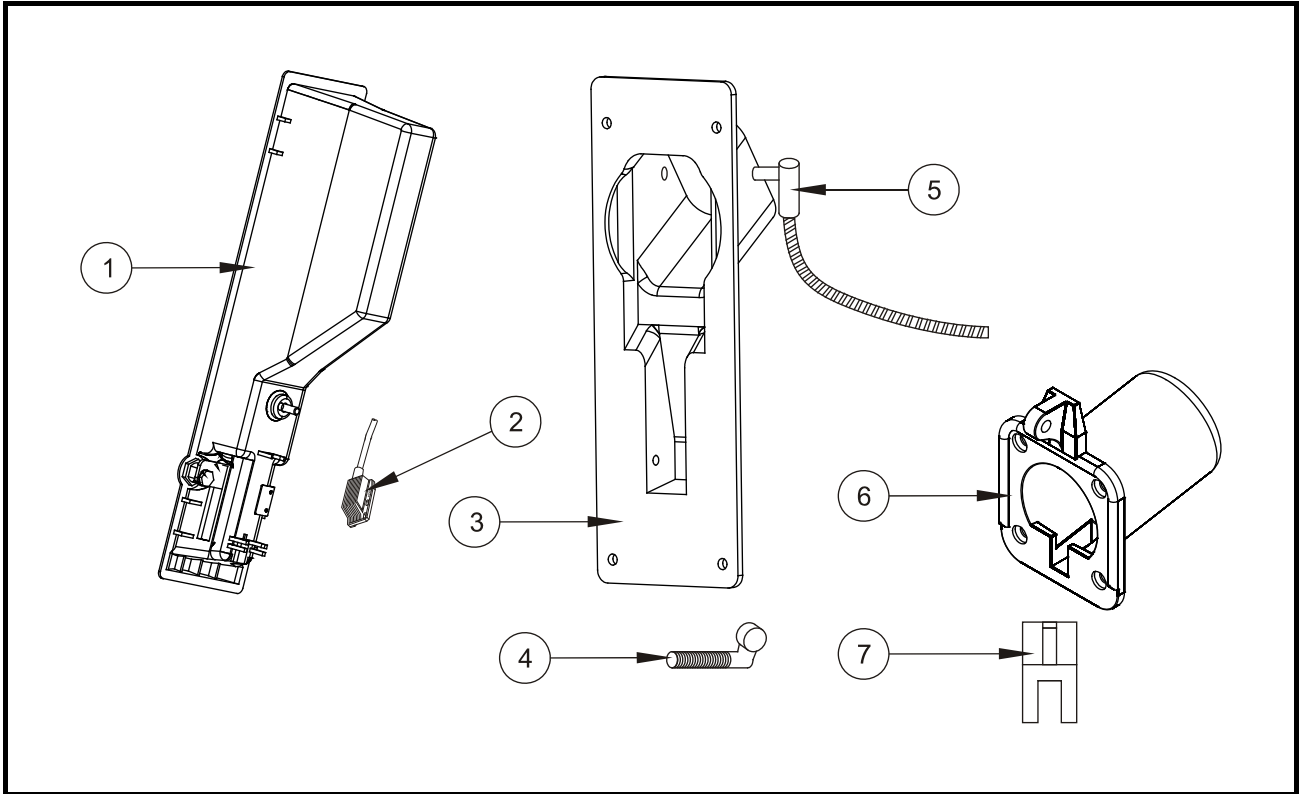
Hoses, nozzles and hydraulics for LPG



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
Components for internal hose guide:				11	1	140 938 366	Filter with ball valve
1	1	140 916 476	Hose LPG, L=0,33m	11.1	1	140 938 396	Filter replacement kit
2	1	140 916 463	Break away coupling	12	1	140 938 346	Differential valve
3	1	140 915 606	Hose LPG, L=4,00m	12.1	1	140 938 406	Differential valve repair kit
☼	Components for external hose guide:			13	1	140 938 356	Yenen meter
	1	140915 616	Hose LPG, L=0,50m	14	1	140 938 416	Manometer
	1	140 915 626	ARK 19.5 break away coupling	15	1	140 971 206	Pipe for LPG hydraulics
	1	140 915 606	Hose LPG, L=4,00m	☼	1	140 938 376	Check valve repair kit
Filling nozzle:				☼ (Components are not shown in the drawing!)			
4	1	140 936 576	Filling nozzle LG30				
5	1	140 925 956	Filling nozzle VPP				
6	1	140 915 596	Filling nozzle OT300				
7	1	140 916 646	Filling nozzle ZVG2				
8	1	140 938 426	Filling nozzle Boessenkool				
9	1	140 949 036	Magnet valve basic				
9.1	1	140 938 336	Magnet valve double				
☼	1	140 949 006	Coil 230 V for valve				
10	Adapter:						
a	1	140 938 046	Nozzle adapter LG30				
b	1	140 938 056	Nozzle adapter T3				
c	1	140 938 066	Nozzle adapter ACME				
☼ (Components are not shown in the drawing!)							

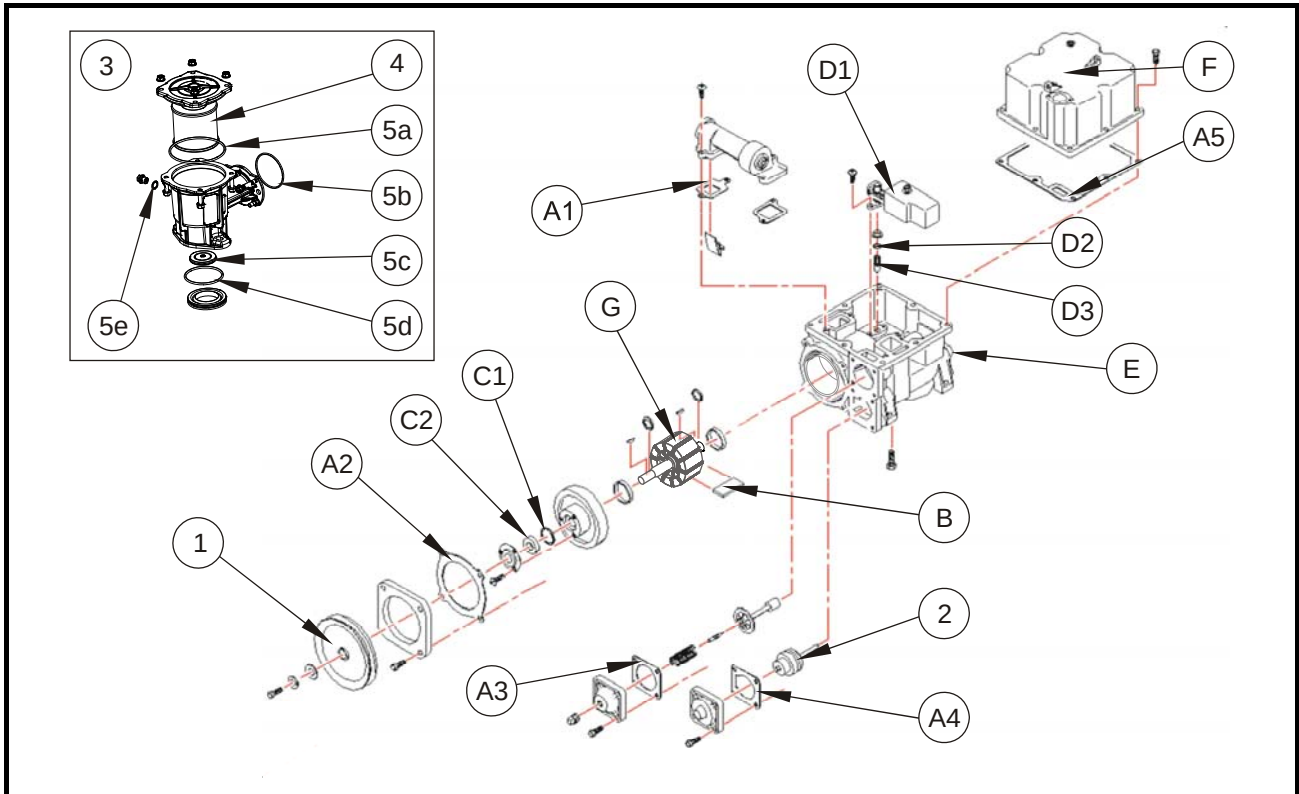
SK 700-2

Nozzle boots



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1			Nozzle boot with fixing screw:				
a	1	140 756 892	Nozzle boot with lock				
b	1	140 756 912	Nozzle boot without lock				
2	1	140 945 945	Magnet switch with cable clip				
3	1	140 798 856	Nozzle boot for LPG, without switch				
☼	1	140 857 134	Magnet switch for LPG nozzle boot				
4	1	140 874 446	Adapter for VPP filling nozzle:				
5			LPG kit for light sensor/switch amplifier:				
a	1	140 910 666	For single-sided dispenser				
b	1	140 910 676	For double-sided dispenser				
6	1	140 915 636	Nozzle boot for LPG				
7	1	140 916 186	Locking plate for nozzle boot				
☼(Components are not shown in the drawing!)							

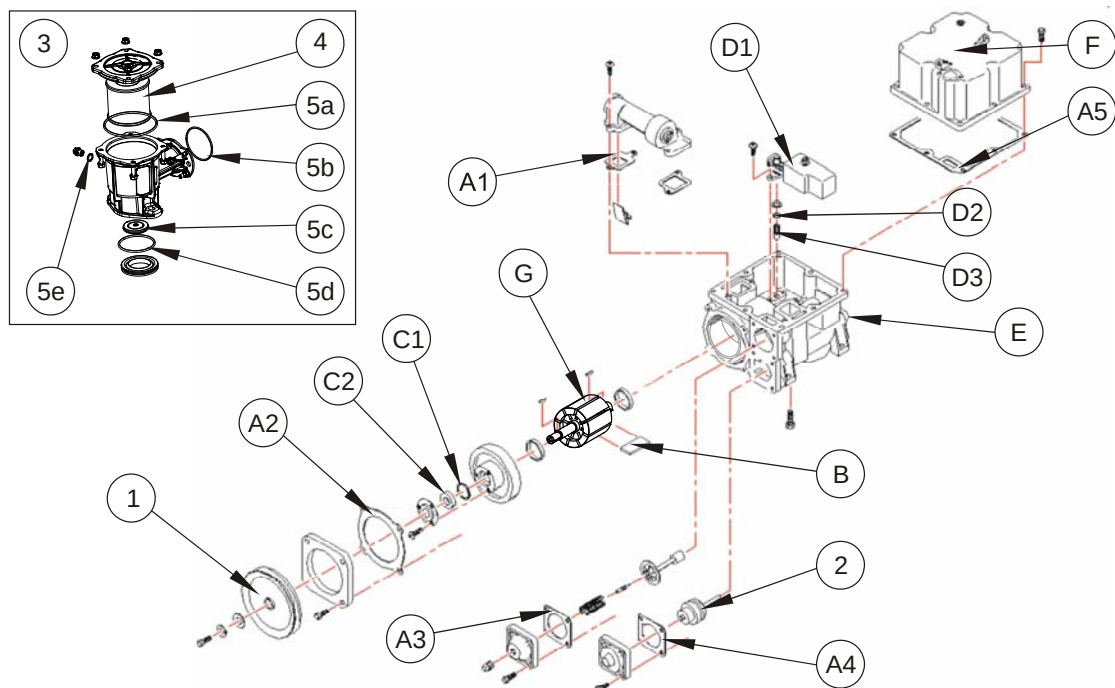
SK 700
Pumping unit GPU 90



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
A	1	140 837 636	Master seal kit, contains positions A1-A5	3	1	140 823 372	Filter DN50 cpl. for pumping unit GPU
B	1	140 869 725	Blade kit, contains ten blades	4	1	140 818 946	Filter element 70µ
C	1	140 837 646	Lip seal kit, contains positions C1 and C2	5	1	140 914 735	Sealing kit for filter DN 50
D	1	140 837 656	Float kit, contains positions D1-D3	5a	1		O-Ring 114 x 4
E	1	140 837 666	Inlet check valve kit, with O-ring and check valve assembly (not shown in the drawing)	5b	1		O-Ring 75 x 3
F	1	140 837 676	Overflow check valve kit, with air valve housing, gasket, valve, float and retaining ring (not shown in the drawing)	5c	1		Valve disk
G	1	140 837 686	Rotor kit, contains rotor, shaft and blades	5d	1		O-Ring 76 x 4
1	1	140 830 186	Belt pulley	5e	1		Sealing ring 13,5 x 18 x 1
2	1	140 830 216	Bypass valve	☀	1	140 941 515	Pumping unit GPU 90, routine tested/MID
				☀	1	140 869 735	Pumping unit GPU 90, routine tested/MID, exchange

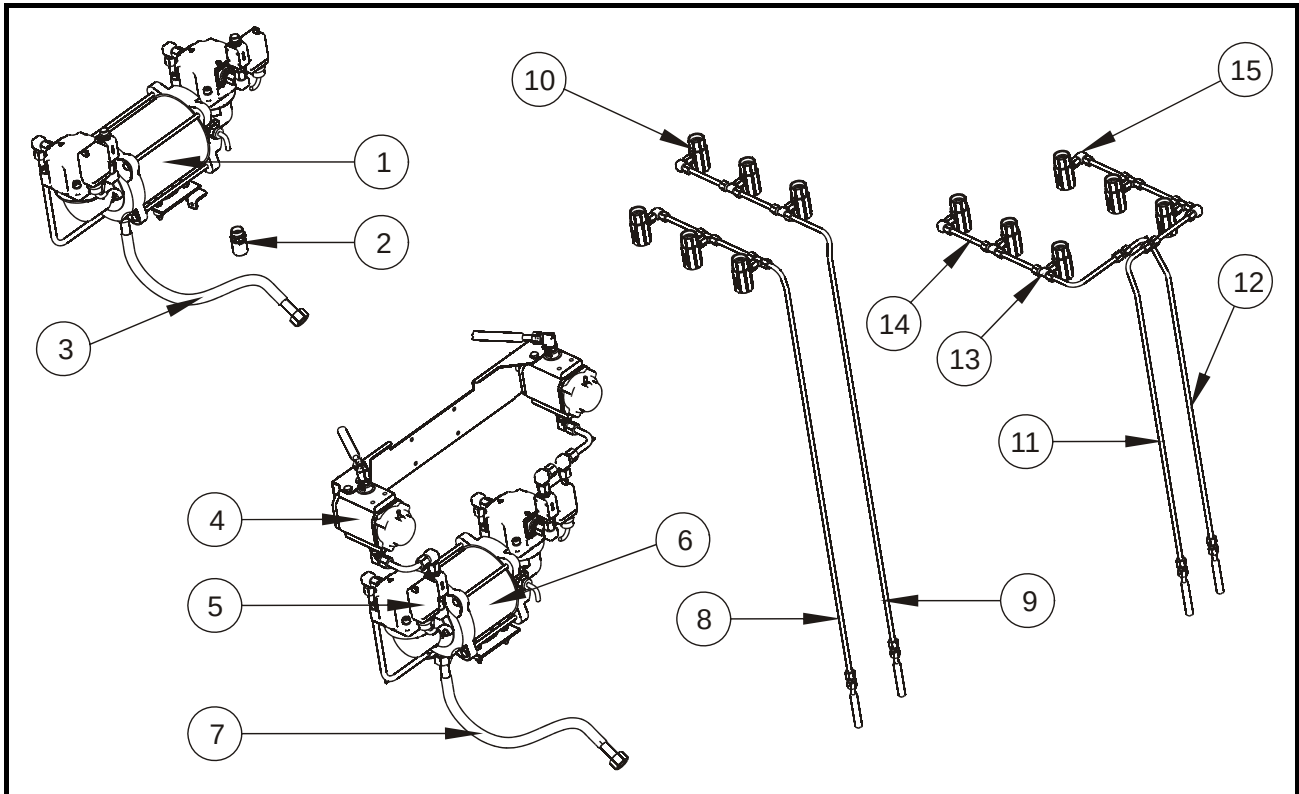
SK 700

Pumping unit GPU 140



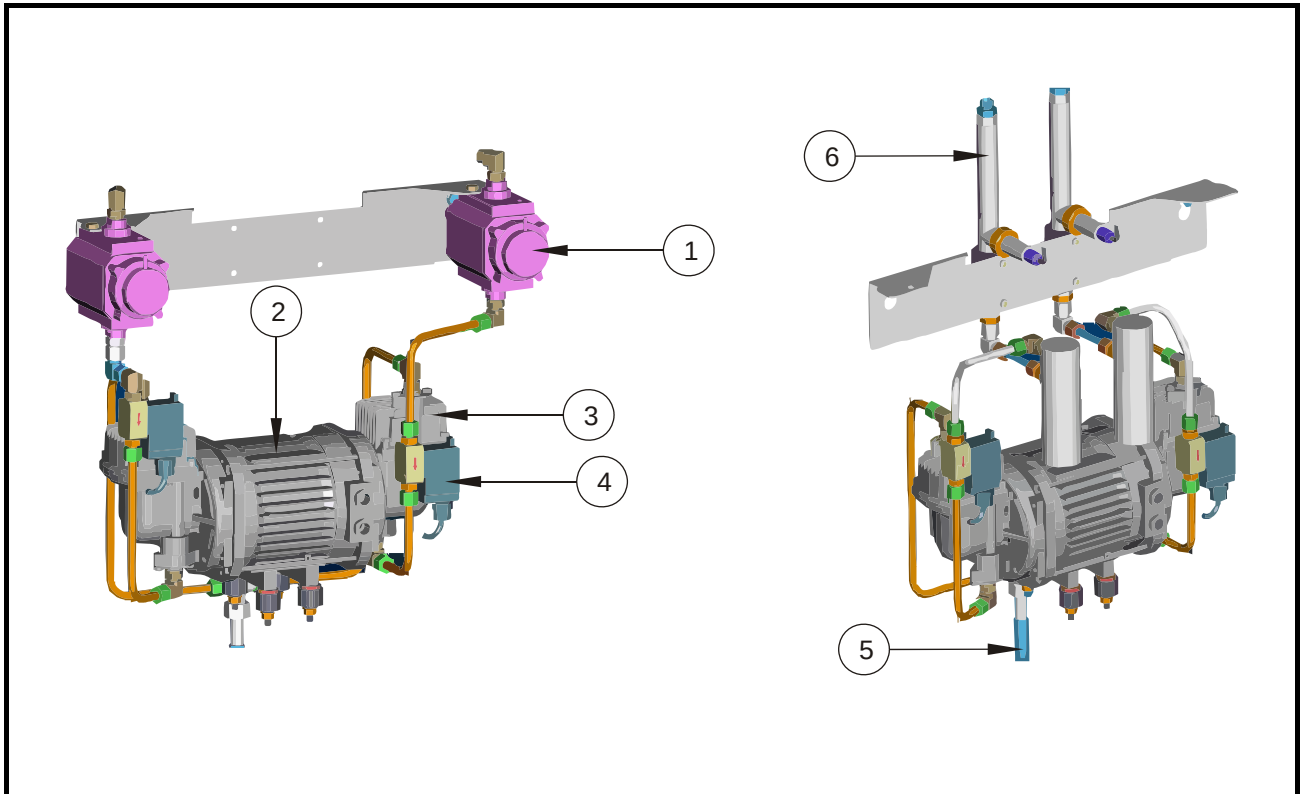
Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
A	1	140 904 856	Master seal kit, contains positions A1-A5	3	1	140 823 372	Filter DN50 cpl. for pumping unit GPU
B	1	140 904 866	Blade kit, contains ten blades	4	1	140 818 946	Filter element 70µ
C	1	140 904 876	Lip seal kit, contains positions C1 and C2	5	1	140 914 735	Sealing kit for filter DN 50
D	1	140904 886	Float kit, contains positions D1-D3	5a	1		O-Ring 114 x 4
E	1	140904 916	Inlet check valve kit, with O-ring and check valve assembly (not shown in the drawing)	5b	1		O-Ring 75 x 3
F	1	140 904 896	Overflow check valve kit, with air valve housing, gasket, valve, float and retaining ring (not shown in the drawing)	5c	1		Valve disk
G	1	140 904 906	Rotor kit, contains rotor, shaft and blades	5d	1		O-Ring 76 x 4
1	1	140 904 926	Belt pulley	5e	1		Sealing ring 13,5 x 18 x 1
2	1	140 904 936	Bypass valve	☀	1	140 941 525	Pumping unit GPU 140, routine tested/MID
				☀	1	140 904 945	Pumping unit GPU 140, routine tested/MID, exchange

SK 700-2
Vapour recovery system ASF 8014



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140 867 802	Gas pump aggregate ASF 230V cpl.	12	1	140 868 652	Pipe cpl. for side 2, CR
1.1	1	140 656 203	Gas pump aggregate	13	1	140 764 566	Adjustable T-screw joint
1.2	1	140 873 395	Gas pump aggregate, exchange	14	1	140 599 184	Rohr 10 x1, ZAF>>>ZAF
2	1	140 567 944	Insulating sleeve	15	1	140 635 646	Adjustable elbow screw joint
3	1	140 867 973	Connection set, on the discharge side, 230V				
3.1	1	140 621 274	Flex pipe				
4	1	140 868 212	Vapour Monitoring system EVR, double-sided				
4.1	1	140 814 484	Flowmeter with encoder				
5	1	140 464 636	Proportional valve 24V				
6	1	140 867 772	Gas pump aggregate ASF 400V cpl.				
6.1	1	140 663 543	Gas pump aggregate				
6.2	1	140 865 005	Gas pump aggregate, exchange				
7	1	140 867 913	Connection set, on the discharge side, 400V				
7.1	1	140 621 274	Flex pipe				
8	1	140 868 302	Pipe cpl. for side 1, OR				
9	1	140 868 312	Pipe cpl. for side 2, OR				
10	1	140 649 256	Fitting ZAF 2.1, 1" Elaflex				
11	1	140 868 642	Pipe cpl. for side 1, CR				

SK 700-2
Vapour recovery system Dürr



Item	Qty	Part No.	Description	Item	Qty	Part No.	Description
1	1	140 814 484	Flowmeter with encoder				
2		Gas pump aggregate Dürr					
a	1	140 911 712	Gas pump aggregate Dürr 400V cpl.				
b	1	140 920 822	Gas pump aggregate Dürr 230V cpl.				
c	1	140 919 966	Motor 400V with cable3,5m, exchange				
c	1	140 919 986	Motor 230V with cable3,5m, exchange				
3	1	140 919 996	Gas pump aggregate Dürr, exchange				
3.1	1	140 920 016	Coupling for gas pump				
3.2	1	140 920 026	Fan with coupling				
4	1	140 464 636	Proportional valve 24V				
5	1	140 621 274	Flex pipe				
5.1	1	140 567 944	Insulating sleeve				
6	1	140 754 076	Vaporix Flow				