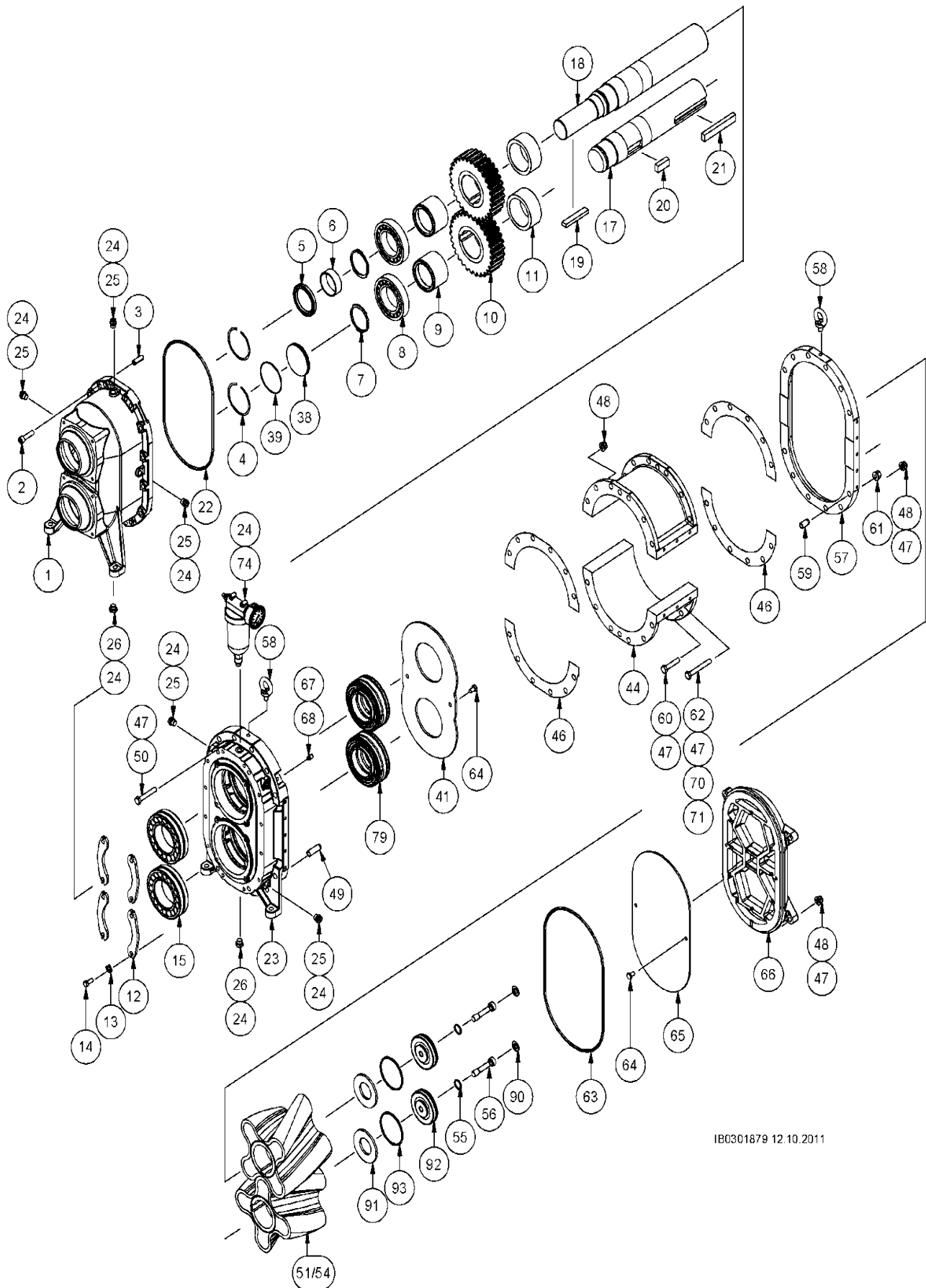




IB0301879 12.10.2011

Gearbox housing and accessories

Position 1-16

Pos.	Part number	Description	Note	130	184
1	0220.0902	Gearbox housing		1	1
2	0220.0380	Hexagon socket head cap screw	DIN 912	12	12
3	0220.0467	Dowel pin	DIN 1481	4	4
	0220.0459	Dowel pin	DIN 1481	4	4
4	0220.0489	Circlip		2	2
5	0220.0250	Radial shaft seal ring	For motor shaft	1	1
6	0220.0291	Inner ring	For motor shaft	1	1
7	0220.0480	Retaining ring	DIN 471	2	2
8	0220.0304	Cylindrical roller bearing		2	2
9	0220.1335	Distance sleeve	Gear floating bearing	2	2
10	0220.1697	Gear		2	2
11	0220.1336	Distance sleeve	Gear fixed bearing	2	2
12	0220.0739	Fixing sheet for bearing		4	4
13	0220.0520	Lock washer	DIN 432	8	8
14	0220.0412	Hexagon head screw	DIN 933	8	8
15	0220.0301	Spherical roller bearing		2	2

Motor shaft Position 17-19

Pos.	Part number	Description	Note	130	184
17	0220.1631	Motor shaft	Short	1	-
	0220.1633	Motor shaft	Short	-	1
18	0220.1626	Motor shaft	Long	1	-
	0220.1627	Motor shaft	Long	-	1

Fitting key Position 1-15

Pos.		Description	Note	130	184
19	0220.0349	Fitting key	For motor shaft long	1	1
20	0220.0342	Fitting key	DIN 6885	2	2
21	0220.0342	Fitting key	DIN 6885	-	-
	0220.0344	Fitting key	DIN 6885	2	-
	0220.0346	Fitting key	DIN 6885	-	2
	0220.0347	Fitting key	DIN 6885	-	-

Bearing seal housing + accessories Positions 22-26 + 38-39

Pos.	Part number	Description	Note	130	184
22	0220.0120	O-ring	NBR 70	1	1
23	0220.0896	Bearing seal housing		1	1
	0220.0898	Bearing seal housing	Option: intermediate flange		
24	0220.0102	Copper ring		10	10
25	0220.0432	Screw plug		7	7
26	0220.0434	Screw plug	Magnetic	2	2
38	0220.1351	Plug disk	For motor shaft	1	1
39	0220.0150	O-ring	For motor shaft short	1	1

Wear plate Position 41

Pos.	Part number	Description	Note	130	184
41	0220.0740	Wear plate		1	1

Pump housing segment

Position 44

Pos.	Part number	Description	Note	130	184
44	0220.0880	Pump housing segment	0.6025	2	
	0220.0884	Pump housing segment	Tungsten carbide coated	2	
	0220.0886	Pump housing segment	0.6025		2
	0220.0890	Pump housing segment	Tungsten carbide coated		2

Gasket for pump housing segment Position 46

Pos.	Part number	Description	Note	130	184
46	0220.0012	Gasket	Asbestos-free fibre material	4	4

Screws and accessories Position 47-50

Pos.	Part number	Description	Note	130	184
47	0220.0513	Washer	DIN 125	48	48
48	0220.0312	Hexagon nut	Self-locking	24	24
49	0220.0469	Dowel pin	DIN 7346	4	4
50	0220.0450	Hexagon head screw		12	12

Spare parts list Rotary lobe pump VX186Q

HiFlo NBR

Pos.	Part number	Description		Note	130	184
51	0220.1167	Rotary lobe		NBR70	1	-
	0220.1168	Rotary lobe		NBR70	1	-
	0220.1159	Rotary lobe		NBR70	-	1
	0220.1160	Rotary lobe		NBR70	-	1

Preload

Position 55-56

Pos.	Part number	Description		Note	130	184
55	0220.0109	O-ring		NBR	2	2
56	0220.1320	Anti-fatigue bolt			2	2

Cover flange and accessories Position 57-64

Pos.	Part number	Description		Note	130	184
57	0220.0869	Cover flange			1	1
58	0220.0297	Lifting eye bolt			2	2
59	0220.0464	Spring pin			4	4
60	0220.0419	Hex head screw			8	8
61	0220.1343	Distance nut			4	4
62	0220.1729	Hex head screw			4	4
	0220.0274	Threaded rod			-	-
63	0220.0172	O-ring		NBR	1	1

For option intermediate flange:

63	0220.0172	O-ring			2	2
64	2.200.410	Hexagon head screw			4	4

* Option **Wear plate** Position 65

Pos.	Part number	Description		Note	130	184
65	0220.0728	Wear plate			1	1

Cover and accessories Position 66-71

Pos.	Part number	Description		Note	130	184
66	0220.0874	Cover			1	1
67	0220.0431	Hexagon head screw plug		For motor shaft	4	4
68	0220.0100	Copper ring		For motor shaft	4	4
70	0220.0324	Hexagon nut		DIN 934-8	-	-
71	0220.0267	Lock washer		DIN 127	-	-

Buffer chamber enlargement

Position 74

Pos.	Part number	Description		Note	130	184
74	0220.1432	Buffer fluid tank		Pressurized	1	1
	0220.1737	Steel Buffer fluid tank			1	1

Cartridge mechanical seal Pos. 79

Pos.	Part number	Description		Notes	130	184
79	0220.1432	Cartridge Block ring Single-mechanical seal		Duronit ⁽⁴⁾ / HNBR	2	2

Preload Position 90-93

Pos.	Part number	Description		Note	130	184
90	0220.0501	Plug			2	2
91	0220.0504	Spring washer			2	2
92	0220.1339	Pressure disk			2	2
93	0220.0154	O-ring		NBR	2	2

Option: intermediate flange Position 72-73 + 75-78

Pos.	Part number	Description		Note	130	184
72	0220.0389	Hexagon head screw		DIN 933	2	2
73	0220.0265	Lock washer		DIN 127	2	2
75	0220.0451	Hexagon head screw plug		DIN 906	2	2
76	0220.1730	Intermediate flange			1	1
77	0220.0382	Hexagon socket head cap screw		DIN 931	1	1
78		O-ring		NBR	1	1

Tools

Spare parts list Rotary lobe pump VX186Q

Pos.	Part number	Description		Note	130	184
	0220.0138	Tool box			x	x
	0220.1731	Combination tool			x	x
	0220.0558	Lobe puller			x	-
	0220.0559	Lobe puller			-	x
	0220.0555	Lobe puller			-	-
	0220.1768	Installation tool		Radial shaft seal ring		
	0220.0564	Installation tool		Inner ring		
	0220.1769	Installation tool		Bearing seal housing		

Cartridge mechanical seal:

	0220.1727	Installation tool		Cartridge mechanical seal
	0220.0566	Installation tool		Included in 0220.1727
	0220.1732	Hexagon socket head screw		Included in 0220.1727
	0220.0446	Hexagon head screw		Included in 0220.1727

Component mechanical seal:

	0220.0563	Installation tool		Mechanical seal ring support		
	0220.0561	Installation tool		Mechanical seal		

Material for connectors

Pos.	Part number	Description		Note	130	184
	0220.0389	Hexagon head screw		DIN 933	28	32
	0220.0511	Washer		DIN 125	28	32
	0220.0045	Flange gasket			2	-
	0220.0046	Flange gasket			-	2
	0220.0693	Flange			2	-
	0220.0695	Flange			-	2

Required spare parts for rotary lobe change

Pos.	Part number	Description		Note	130	184
	0220.0344	Fitting key		DIN 6885	2	-
	0220.0346	Fitting key		DIN 6885	-	2
51-54		Rotary lobe		See page 10 and follow		
55	0220.0109	O-ring		NBR	2	2
56	0220.1320	Anti-fatigue bolt			2	2
63	0220.0172	O-ring		NBR	1	1
93	0220.0154	O-ring		NBR	2	2

VX186Q

Necessary spare parts for Cartridge mechanical seal change

Pos.	Part number	Description		Note	130	184
55	0220.0109	O-ring		NBR	2	2
56	0220.1320	Anti-fatigue bolt			2	2
63	0220.0172	O-ring		NBR	1	1

Steel, nitrided						
79	0220.0622			Duronit ⁽⁴⁾ / HNBR		
90	0220.0501	Plug			2	2
93	0220.0154	O-ring		NBR	2	2