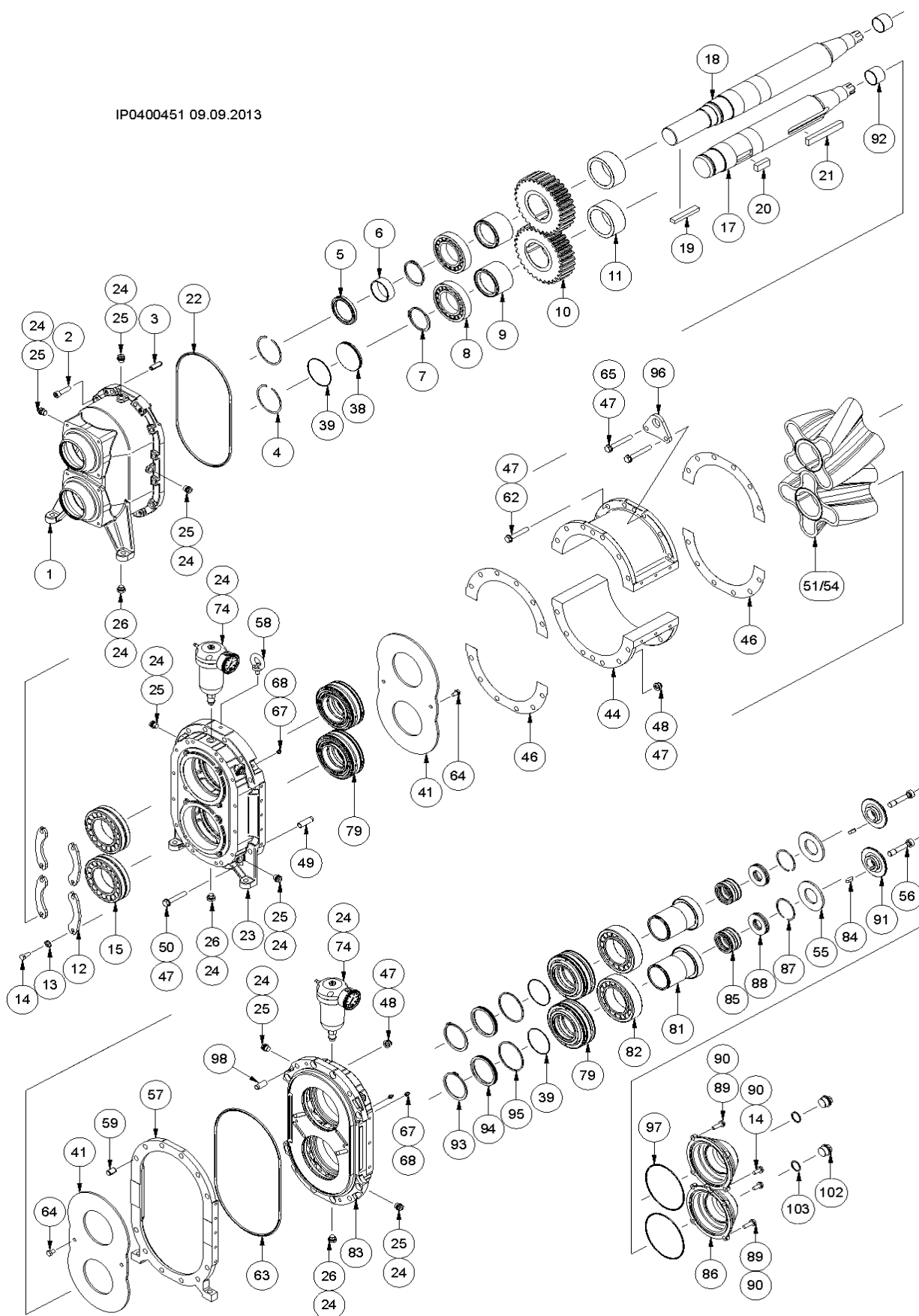


Spare Parts List Rotary Lobe Pump VX186QD

IP0400451 09.09.2013



Spare Parts List Rotary Lobe Pump VX186QD

Position 1-16

Pos.	Part number	Description		Notes	184	260	368	520
1	0220.0902	Gear box housing			1	1	1	1
2	0220.0380	Hexagon socket head screw		DIN 912	12	12	12	12
3	0220.0467	Spring pin		DIN 1481	4	4	4	4
	0220.0459	Spring pin		DIN 1481	4	4	4	4
4	0220.0489	Circlip			2	2	2	2
5	0220.0250	Radial shaft seal ring		For motor shaft	1	1	1	1
6	0220.0291	Inner ring		For motor shaft	1	1	1	1
7	0220.0480	Retaining ring		DIN 471	2	2	2	2
8	0220.1335	Cylindrical roller bearing			2	2	2	2
9	0220.1335	Distance sleeve		Gear-floating bearing	2	2	2	2
10	0220.1697	Gear			2	2	2	2
11	0220.1336	Distance sleeve		Gear-floating bearing	2	2	2	2
12	0220.0739	Bearing fixing sheet			4	4	4	4
13	0220.0520	Lock washer		DIN 432	8	8	8	8
14	0220.0412	Hexagon head screw		DIN 933	12	12	12	12
				Option: intermediate flange	+ 4	+ 4	+ 4	+ 4
15	0220.0301	Spherical roller bearing			2	2	2	2

Motor shaft Position 17-19

Pos.	Part number	Description		Notes	184	260	368	520
17	0220.1746	Motor shaft		Short	1	-	-	-
	0220.1747	Motor shaft		Short	-	1	-	-
	0220.1748	Motor shaft		Short	-	-	1	-
	0220.1530	Motor shaft		Short	-	-	-	1
18	0220.1749	Motor shaft		Long	1	-	-	-
	0220.1750	Motor shaft		Long	-	1	-	-
	0220.1751	Motor shaft		Long	-	-	1	-
	0220.1524	Motor shaft		Long	-	-	-	1

Fitting key Position 1-15

Pos.	Part number	Description		Notes	184	260	368	520
19	0220.0349	Fitting key		For motor shaft long	1	1	1	1
20	0220.0342	Fitting key		DIN 6885	2	2	2	2
21	0220.0345	Fitting key		DIN 6885	-	-	2	4
	0220.0346	Fitting key		DIN 6885	2	-	-	4
	0220.0347	Fitting key		DIN 6885	-	2	2	-

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

Pos.	Part number	Description		Notes	184	260	368	520
22	0220.0120	O-ring		NBR 70	1	1	1	1
23	0220.0896	Bearing seal housing			1	1	1	1
24	0220.0102	Copper ring			16	16	16	16
25	0220.0432	Hexagon head screw plug			11	11	11	11
26	0220.0434	Hexagon head screw plug		Magnetic	3	3	3	3
38	0220.1351	Plug disk		For motor shaft	1	1	1	1
39	0220.0150	O-ring		For motor shaft short	1	1	1	1
39	0220.0150	O-ring		In the QD cover	2	2	2	2

Wear plate

Position 41

Pos.	Part number	Description		Notes	184	260	368	520
41	0220.0740	Wear plate			2	2	2	2

Pump housing segment Position 44

Pos.	Part number	Description		Notes	184	260	368	520
44	0220.0886	Pump housing segment		0.6025	2	-	4	-
	0220.0890	Pump housing segment		Tungsten carbide coated	2	-	4	-
	0220.0891	Pump housing segment		0.6025	-	2	-	4
	0220.0894	Pump housing segment		Tungsten carbide coated	-	2	-	4

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Gasket for pump housing segment Position 46

Pos.	Part number	Description		Notes	184	260	368	520
46	0220.0012	Gasket		Asbestos-free fibre material	4	4	6	6

Screws and accessories Position 47-50

Pos.	Part number	Description		Notes	184	260	368	520
47	0220.0513	Washer		DIN 125	48	48	-	-
48	0220.0312	Hexagon nut		Self-locking	32	32	8	8
	0220.1752	Hexagon nut		DIN 6331	-	-	24	24
49	0220.0469	Dowel pin		DIN 7346	4	4	4	4
50	0220.0450	Hexagon head screw		DIN 931	12	12	-	-

Position 51

HiFlo NBR

Pos.	Part number	Description		Notes	184	260	368	520
51	0220.1167	Rotary lobe		NBR	-	2 (1)	-	4 (2)
	0220.1168	Rotary lobe		NBR	-	2 (1)	-	4 (2)
	0220.1159	Rotary lobe		NBR	1	-	2 (1)	-
	0220.1160	Rotary lobe		NBR	1	-	2 (1)	-
51		Rotary lobe		NBR white	-	2	-	4
		Rotary lobe		NBR white	-	2	-	4
	0220.1753	Rotary lobe		NBR white	1	-	2	-
	0220.1754	Rotary lobe		NBR white	1	-	2	-

Solid material rotary lobes

HiFlo

Position 51

Pos.	Part number	Description		Notes	184	260	368	520
51	0220.1179	³ Rotary lobe		1.0503 nitrided (C45)	-	2 (1)	-	4 (2)
	0220.1181	³ Rotary lobe		1.0503 nitrided (C45)	-	2 (1)	-	4 (2)
	0220.1183	³ Rotary lobe		1.0503 nitrided (C45)	1	-	2 (1)	-
	0220.1185	³ Rotary lobe		1.0503 nitrided (C45)	1	-	2 (1)	-

³ +O-ring for solid material lobe

() quantity for HiFlo *plus*

O-ring for solid material lobes

Position 52-53

Pos.	Part number	Description		Notes	184	260	368	520
52	0220.0211	O-ring ⁶		NBR	4	4	4	4
53	0220.1755	O-ring ⁶		NBR	2	2	2	6

⁶ for solid material lobes

Preload

Position 52-56

Pos.	Part number	Description		Notes	184	260	368	520
55	0220.0504	Spring washer			2	2	2	2
56	0220.1320	Strain screw			2	2	2	2

Screws and accessories Position 57-77

Pos.	Part number	Description		Notes	184	260	368	520
57	0220.0872	Cover flange			1	1	1	1
58	0220.0297	Lifting eye bolt			1	1	1	1
59	0220.0471	Dowel pin			4	4	8	8
60	0220.1756	Threaded rod		DIN 976	-	-	12	-
	0220.1757	Threaded rod		DIN 976	-	-	-	12
61	0220.0324	Hexagon nut		DIN 934	-	-	2	2
62	0220.1758	Hexagon head screw		DIN 933	10	10	-	-
63	0220.0172	O-ring		NBR	1	1	1	1
64	0220.0410	Hexagon head screw		Stainless steel	4	4	4	4
65	0220.0441	Hexagon head screw		DIN 933	2	2	-	-
67	0220.0431	Hexagon head screw plug		For motor shaft	6	6	6	6
68	0220.0100	Copper ring		Only for motor shaft	6	6	6	6

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Buffer chamber enlargement Position 74

Pos.	Part number	Description		Notes	184	260	368	520
74	0220.1432	Buffer fluid tank		Pressurized	2	2	2	2
	0220.1737	Steel Buffer fluid tank			2	2	2	2

Option: Intermediate flange

Position 72-73 + 75-78 + 80

Pos.	Part number	Description		Notes	184	260	368	520
72	0220.0172	O-ring		NBR	2	2	2	2
73	0220.0265	Lock washer		DIN 127	4	4	4	4
75	0220.0451	Hexagon head screw plug		DIN 906	4	4	4	4
75	0220.1730	Intermediate flange			1	1	1	1
77	0220.0382	Hexagon socket head cap screw		DIN 912	2	2	2	2
78	0220.0138	O-ring		NBR				
80	0220.1759	Intermediate flange			1	1	1	1

Cartridge mechanical seal

Pos. 79

Pos.	Part number	Description		Notes	184	260	368	520
79	0220.0598	Cartridge Block ring		Duronit ⁽⁴⁾ / HNBR	4	4	4	4
		Single-mechanical seal						

up to 10 bar [145 psi] real operating pressure

"Loose parts" for Cartridge mechanical seal

Quantity per cartridge

Pos.	Part number	Description		Notes
A	0220.0121	O-ring		NBR
B	0220.0121	O-ring		NBR
C	0220.0150	O-ring		NBR
D	0220.0517	Shim		

Bearing seal housing + accessories

Position 81-95

Pos.	Part number	Description		Notes	184	260	368	520
81	0220.1724	Sleeve			2	2	2	2
82	0220.0305	Cylindrical roller bearing			2	2	2	2
83	0220.0900	Bearing seal housing			1	1	1	1
84	0220.1760	Fitting key		From 04/2009 up (shaft with positive lock)	2	2	2	2
85	0220.1761	Spring pin		From 04/2009 up (shaft with inner ring pos. 92)	2	2	2	2
86	0220.091.	Bearing cover		Closed	2	2	2	2
87	0220.0494	Multi-disc ring			2	2	2	2
88	0220.0503	Spring washer		DIN 2039	6	6	6	6
89	0220.0391	Hexagon head screw			4	4	4	4
90	0220.0511	Washer		DIN 125	8	8	8	8
91	0220.1725	Pressure disk			2	2	2	2
92	0220.0294	Inner ring		From 04/2009 up (shaft with inner ring)	2	2	2	2

* For a production date of 01/2009 to 03/2009 for spare parts, please contact Vogelsang.

93	NSR.036	Retaining ring	AS 85 x 3	DIN 471	2	2	2	2
94	PRS.A036	O-ring-carrier			2	2	2	2
95	DOR.045	O-ring	92 x 4 NBR		2	2	2	2

Accessories Pos. 96-103

Pos.	Part number	Description		Notes	184	260	368	520
96	0220.0748	Lifting lug			1	1	1	1
97	0220.0167	O-ring		NBR	2	2	2	2
98	0220.0465	Dowel pin		DIN 7346	4	4	4	4
102	0220.01762	Hexagon head screw plug		DIN 910-1	2	2	2	2
103	0220.01763	Copper ring			2	2	2	2

Tools

Spare Parts List Rotary Lobe Pump VX186QD

Pos.	Part number	Description		Notes	184	260	368	520
	0220.0555	Lobe puller			x	x	-	-
	0220.0556	Lobe puller			-	-	x	-
	0220.0557	Lobe puller			-	-	-	x

	0220.10000	Tool set		Cartridge-Gleitringdichtung				
	0220.1764	Assembly tool		Included in '0220.10000	(1)			
	0220.1732	Hexagon socket head cap screw		Included in '0220.10000	(2)			
	0220.0446	Hexagon head screw		Included in '0220.10000	(3)			
	0220.1765	Adaptor		Included in '0220.10000				
	0220.1766	Pressure disc		Included in '0220.10000				
	0220.0562	Installation tool		Radial shaft seal ring				
	0220.0561	Installation tool		Mechanical seal				
	0220.1731	Combination tool			x	x	x	-

Material for connectors

Pos.	Part number	Description		Notes	184	260	368	520
	0220.0389	Hexagon head screw		DIN 933	32	36	44	52
	0220.0394	Hexagon head screw		DIN 933 (high pressure)	32	36	44	52
	0220.0511	Washer		DIN 125	32	36	44	52
	0220.0695	Flange			2	-	-	-
	0220.1767	Flange			-	2	-	-
	0220.0703	Flange			-	-	2	-
	0220.0702	Flange			-	-	-	2
	0220.0046	Flange gasket			2	-	-	-
	0220.0048	Flange gasket			-	2	-	-
	0220.0049	Flange gasket			-	-	2	-
	0220.0057	Flange gasket			-	-	-	2

Required spare parts for rotary lobe change

Pos.	Part number	Description		Notes	184	260	368	520
21	0220.0345	Fitting key		DIN 6885	-	-	2	4
	0220.0346	Fitting key		DIN 6885	2	-	-	4
	0220.0347	Fitting key		DIN 6885	-	2	2	-
51-54		Rotary lobe		See page 9 and following				
56	0220.1320	Strain screw			2	2	2	2
63	0220.0172	O-ring		NBR	1	1	1	1
95	0220.0154	O-ring		NBR	2	2	2	2