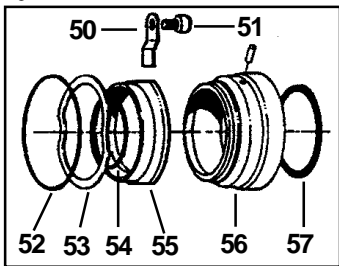
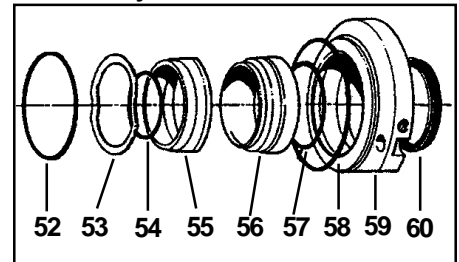


**Hyclean™ Seal**



**Flushed Hyclean Seal**



# Positive Displacement Pump 322/332 GHPD (Vertical)

Pos.	Qty.	Description	322/332 Part No.
1	1	Gear case .....	5220-271
2	2	Dowel .....	5170-025
3	4	Stud, RC-gear case .....	6350-093
4	4	Nut, RC-gear case .....	5330-003
4a	4	Washer .....	6400-036
5	1	Gear case cover .....	5120-112
6	6	Screw .....	5990-044
7	1	Lip seal, Nitrile .....	5310-047
	1	Lip seal, FPM .....	5310-078
8	1	Shim set, SS .....	31493-6150-151
	1	Shim set, Plastic. ....	31493-6150-150
8a	2	Shim retainer .....	6150-261
8b	4	Screw .....	6000-010
9	1	Rotor case, 322 .....	31493-9285-0281
	1	Rotor case, 332 .....	31493-9286-0831
10	4	Stud front cover .....	6350-093
11	1	Front cover O-ring, NIT .....	883-1550-239
	1	Front cover O-ring, FPM .....	883-1551-239
	1	Front cover O-ring, PTFE .....	883-1552-239
	1	Front cover O-ring, EPDM .....	883-1555-239
12	1	Front cover .....	31493-5130-311
13	4	Front cover nuts .....	5340-029
14	2	Retainer (front bearing) .....	5560-030
15	6	Retainer screws .....	5990-044
16	2	Lip seal, Nitrile .....	5310-037
	2	Lip seal, FPM .....	5310-070
18	2	Rotor O-ring, Nitrile .....	5380-421
	2	Rotor O-ring, FPM .....	5380-420
	2	Rotor O-ring, PTFE .....	5380-447
	2	Rotor O-ring, EPDM .....	5380-446
20	2	Rotor nut O-ring, Nitrile .....	5380-442
	2	Rotor nut O-ring, FPM .....	5380-443
	2	Rotor nut O-ring, PTFE .....	5380-445
	2	Rotor nut O-ring, EPDM .....	5380-444
21	1	Rotor nut 322 R.H. ....	31493-5900-161
22	1	Rotor nut 322 L.H. ....	31493-5900-181
21	1	Rotor nut 332 R.H. ....	31493-5900-162
22	1	Rotor nut 332 L.H. ....	31493-5900-182
23	1	Drive key .....	5270-030
24	1	Drive shaft (duplex) .....	31493-6110-717
25	1	Lay shaft (duplex) .....	31493-6100-718
26	2	Rear bearing .....	5080-011
27	1	Shaft spacer .....	5670-061
30	2	Rear nut .....	5340-040
31	2	Front bearing .....	5080-011
32	2	Bearing spacer .....	5670-100
36	2	Timing gear .....	5210-036
38	2	Torque lock ring .....	5615-013
39	2	Clamp plate .....	5110-039
40	6	Screw - Clamp plate .....	5990-044
45	1	Drain plug .....	1660-004
46	1	Sight glass .....	5480-001
	1	Washer .....	31499-5916-1
47	1	Filler plug .....	31491-0052-1

**Recommended Spare Parts: Pos. 7, 11, 16, 18, 20, 26, 31 and shaft seals**

Pos.	Qty.	Description	322 Part No.	332 Part No.
<b>Trilobe Rotors (SS)</b>				
17	2	Class "A" .....	31493-5712-0051	31493-5712-0081
	2	Class "B" .....	31493-5712-0052	31493-5712-0082
	2	Class "C" .....	31493-5712-0053	31493-5712-0083
<b>Bilobe rotors (SS) (Bilobe rotors must be ordered in pairs)</b>				
17	1	Class "A" .....	96300-9056-3	96300-9056-5
	1	Class "B" .....	96300-9056-4	96300-9056-6
	1	Class "C" .....	96300-9058-9	96300-9056-7

Pos.	Qty.	Description	322/332 Part No.
<b>Hyclean™ Seal</b>			
50	1	Clip .....	31495-5087-053
51	1	Screw .....	5990-064
52Δ	1	Rotor case O-ring, EPDM .....	1555-320
	1	Rotor case O-ring, NIT .....	1550-320
	1	Rotor case O-ring, FPM .....	883-1551-320
53Δ	1	Wave spring .....	6300-039
54Δ	1	Shaft O-ring, EPDM .....	1555-114
	1	Shaft O-ring, NIT .....	1550-114
	1	Shaft O-ring, FPM .....	883-1551-114
55Δ	1	Stationary face, Carbon .....	31493-5630-092
	1	Stationary face, Silicon Carbide .....	5630-093
56Δ	1	Rotary face, SS .....	31493-5610-101
	1	Rotary face, Silicon Carbide .....	5610-102
57Δ	1	Washer, Nitrile .....	6400-086
	1	Washer, FPM .....	6400-087
58	1	Flush housing O-ring, Nitrile .....	5380-630
	1	Flush housing O-ring, FPM .....	5380-273
59	1	Flush housing .....	31493-5265-423
60	1	Lip seal, Nitrile .....	Not available
	1	Lip seal, FPM .....	5310-114
not listed	2	Housing screw .....	5990012
	2	Plug .....	5470006

<b>Hyclean Seal Kit</b>			
Δ		C/SS, Nitrile .....	31493-7600-1011
Δ		C/SS, FPM .....	31493-7600-1012
Δ		C/SS, EPDM .....	31493-7600-1015
Δ		C/SC, Nitrile .....	31493-7600-1811
Δ		C/SC, FPM .....	31493-7600-1812
Δ		C/SC, EPDM .....	31493-7600-1815
Δ		SC/SC, Nitrile .....	31493-7600-2011
Δ		SC/SC, FPM .....	31493-7600-2012
Δ		SC/SC, EPDM .....	31493-7600-2015

Parts marked with Δ are included in the Hyclean seal kit.

Note! Two seal kits are required per pump.

### Recommended Spare Parts: Pos. 7, 11, 16, 18, 20, 26, 31 and shaft seals

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