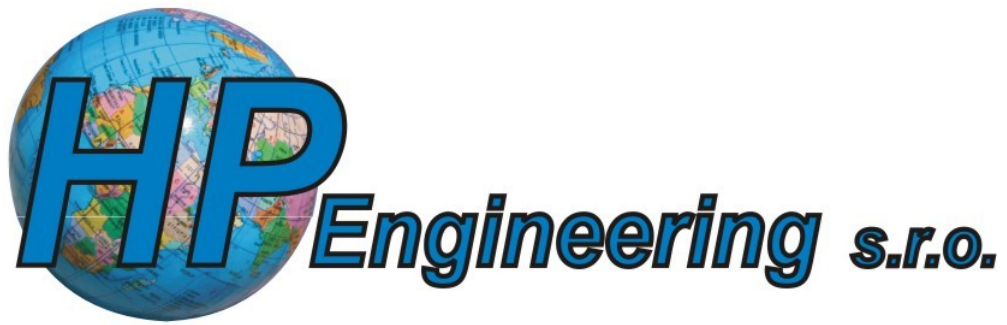
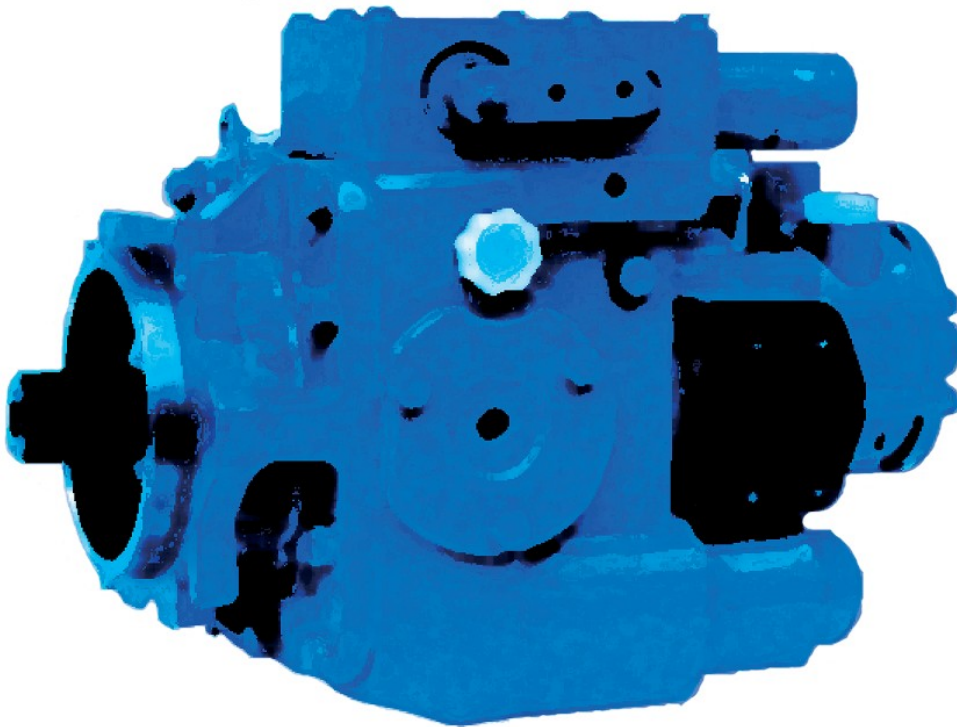
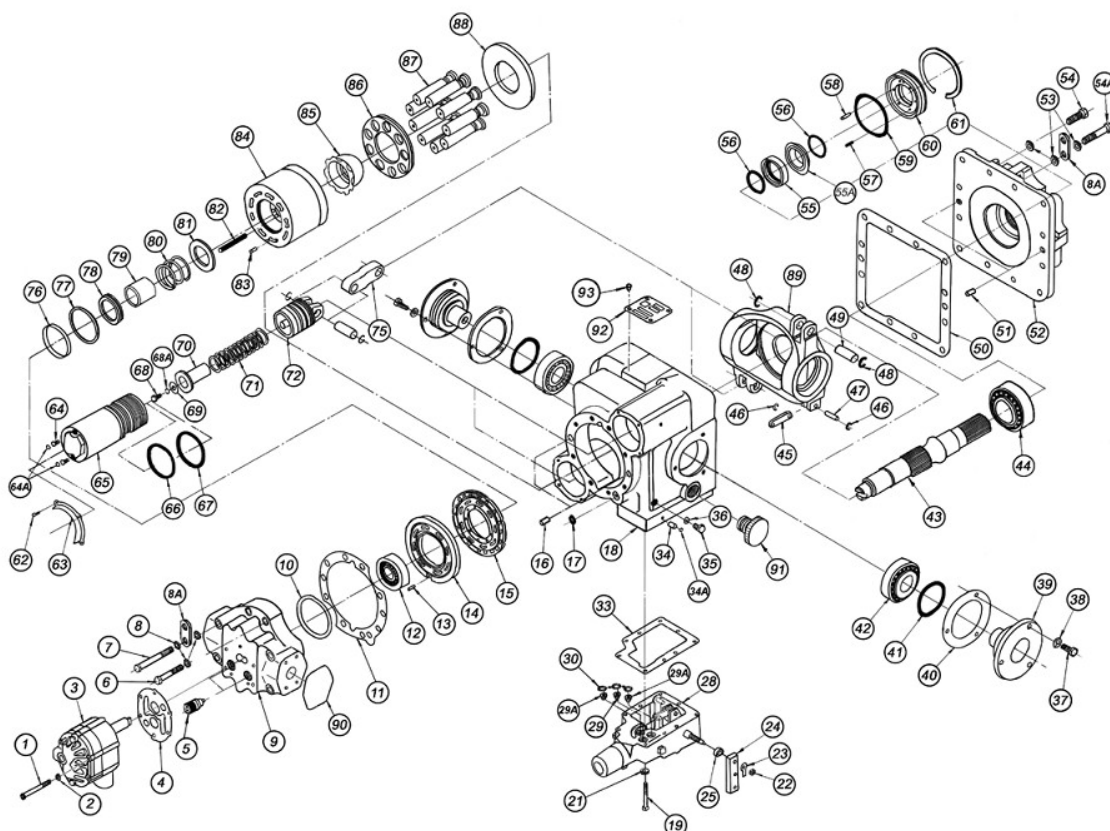




AXIAL PISTON PUMPS



**spare
parts**


Variable Displacement Pump PV20

Pos.	Designation	Part	Quantity per unit, psc
1	PV20-00.040	Hexagonal Bolt	4
2	PV20-00.044	Washer	4
3	PV20-05.000	Charge Pump	1
4	PV20-00.016	Gasket	1
5	PV20-07.000	Check Valve	2
6	PV20-00.032	Hexagonal Bolt	4
7	PV20-00.031	Hexagonal Bolt	4
8	PV20-00.046	Washer	9
8A	PV20-00.007	Hanger	2
9	PV20-00.005	Back Cover	1
10	PV20-00.019	Shim	5
11	PV20-00.015	Gasket	1
12	Serie HM81610, Serie HM81649	Bearing	1
13	PV20-00.023	Cylindrical Pin	1
14	PV20-00.001	Valve Plate	1
15	PV20-00.002	Bearing Plate	1
16	PV20-00.022	Cylindrical Pin	2

17	PV20-00.011-01	Seal Ring	1
18	PV20-00.004	Housing	1
19	PV20-05.038	Hexagonal Bolt	9
21	PV20-00.044	Washer	9
22	PV20-07.043	Hexagonal Nut	1
23	PV20-00.045	Toothed Lock Washer	1
24	PV20-00-010	Control Handle	1
25	PV20-00-009	Spacer Control	1
28	PV20-06.000	Control Valve	1
29	PV20-00-013	Orifice	1
29A	PV20-00.013-01	Orifice	2
30	PV20-00.011-01	Seal Ring	3
33	PV20-00.017	Gasket	1
34	PV20-00.008	Expander	1
34A	7.938-80	Ball	1
35	PV20-12.001	Plug	1
36	PV20-00.011-06	Seal Ring	1
37	PV20-00.037	Hexagonal Bolt	6
38	PV20-00.046	Washer	6
39	PV20-08.001	Trunnion	2
40	PV20-00.018	Shim pack	4
40	PV20-00.018-01	Shim pack	4
40	PV20-00.018-02	Shim pack	4
40	PV20-00.018-03	Shim pack	1
40	PV20-00.018-04	Shim pack	4
40	PV20-00.018-05	Shim pack	1
41	PV20-08.002	Seal Ring	2
42	Serie TS15123, Serie TS15245	Bearing	2
43	PV20-02.001	Shaft	1
44	Serie TS322, Serie TS344A	Bearing	1
45	PV20-09.010	Connecting Link	1
46	PV20-09.012	Lock Washer	2
47	PV20-09.011-01	Pin	1
48	PV20-09.008	Ring	8
49	PV20-09.007	Pin	4
50	PV20-00.014	Gasket	1
51	PV20-00.022	Cylindrical Pin	2
52	PV20-03.001	Cover	1
53	PV20-00.046	Washer	13
54	PV20-00.036	Hexagonal Bolt	3
54A	PV20-00.034	Hexagonal Bolt	9
55	PV20-00.002	Seal Frame	1
55A	PV20-04-002	Bushing	1
56	PV20-00-011	Seal Ring	2
57	PV20-04-004	Spring	8
58	PV20-04-002	Pin	1
59	PV20-04-004	Seal Ring	1
60	PV20-04-001	Seal Frame	1
61	PV20-00-028	Retaining Ring	1
62	PV20-00-042	Screw	4
63	PV20-00-006	Sleeve Retainer	2
64	PV20-10-002	Expander	4
64A	3,969-60	Ball	4
65	PV20-10-001	Servo Sleeve	2
66	PV20-00-011-01	Seal Ring	2

67	PV20-00.011-02	Seal Ring	2
68	M8 – 6g x 55.58.05	Hexagonal Bolt	2
68A	8 65G 019	Washer	2
69	PV20-09.005	Washer	2
70	PV20-09.004	Spring Guide	2
71	PV20-09.003	Servo Spring	2
72	PV20-09.001	Sevo Piston	2
75	PV20-09.006	Link	2
76	PV20-01.007	Pilot Ring	1
77	B-58	Ring	1
78	PV20-01.006	Washer	1
79	PV20-01.005	Spring Guide	1
80	PV20-01.009	Spring	1
81	PV20-01.004	Spring Seat	1
82	PV20-01.010	Spring	6
83	PV20-01.008	Cylindrical Pin	1
84	PV20-01.200	Cylinder Block	1
85	PV20-01.001	Retainer Guide	1
86	PV20-01.003	Slipper Retainer	1
87	PV20-01.100	Piston Assembly	9
88	PV20-00.003	Thrust Plate	1
89	PV20-09.002	Swash Plate	1
90	PV20-00.024	Transportation Plug	2
91	PV20-00.025	Thread Plug	2
92	PV20-00.026	Name Plate	1
93	PV20-00.027	Rivet	4

Variable Displacement Pump PV 22

Pos.	Designation	Part	Quantity perunit, psc
1	PV22-00.040	Hexagonal Bolt	4
2	PV22-00.044	Washer	4
3	PV22-05.000	Charge Pump	1
4	PV22-00.016	Gasket	1
5	PV22-07.000	Check Valve	2
6	PV22-00.032	Hexagonal Bolt	4
7	PV20-00-031	Hexagonal Bolt	4
8	PV22-00-046	Washer	9
8A	PV22-00-007	Hanger	2
9	PV22-00-005	Back Cover	1
10	PV22-00-019	Shim	5
11	PV22-00-015	Gasket	1
12	Serie HM81610, Serie HM81649	Bearing	1
13	PV22-00.023	Cylindrical Pin	1
14	PV22-00.001	Valve Plate	1
15	PV22-00.002	Bearing Plate	1
16	PV22-00.022	Cylindrical Pin	2
17	PV22-00.011-01	Seal Ring	1
18	PV22-00.004	Housing	1
19	PV22-05.038	Hexagonal Bolt	9
21	PV22-00.044	Washer	9

22	PV22-07.043	Hexagonal Nut	1
23	PV22-00.045	Toothed Lock Washer	1
24	PV22-00-010	Control Handle	1
25	PV22-00-009	Spacer Control	1
28	PV22-06.000	Control Valve	1
29	PV22-00-013	Orifice	1
29A	PV22-00.013-01	Orifice	2
30	PV22-00.011-01	Seal Ring	3
33	PV22-00.017	Gasket	1
34	PV22-00.008	Expander	1
34A	7.938-80	Ball	1
35	PV22-12.001	Plug	1
36	PV22-00.011-06	Seal Ring	1
37	PV22-00.037	Hexagonal Bolt	6
38	PV22-00.046	Washer	6
39	PV22-08.001	Trunnion	2
40	PV22-00.018	Shim pack	4
40	PV22.018-01	Shim pack	4
40	PV22-00.018-02	Shim pack	4
40	PV22-00.018-03	Shim pack	1
40	PV22-00.018-04	Shim pack	4
40	PV22-00.018-05	Shim pack	1
41	PV22-08.002	Seal Ring	2
42	Serie TS15123, Serie TS15245	Bearing	2
43	PV22-02.001	Shaft	1
44	Serie TS322, Serie TS344A	Bearing	1
45	PV22-09.010	Connecting Link	1
46	PV22-09.012	Lock Washer	2
47	PV22-09.011-01	Pin	1
48	PV22-09.008	Ring	8
49	PV22-09.007	Pin	4
50	PV22-00.014	Gasket	1
51	PV22-00.022	Cylindrical Pin	2
52	PV22-03.001	Cover	1
53	PV22-00.046	Washer	13
54	PV22-00.036	Hexagonal Bolt	3
54A	PV22-00.034	Hexagonal Bolt	9
55	PV22-00.002	Seal Frame	1
55A	PV22-04-002	Bushing	1
56	PV22-00-011	Seal Ring	2
57	PV22-04-004	Spring	8
58	PV22-04-002	Pin	1
59	PV22-04-004	Seal Ring	1
60	PV22-04-001	Seal Frame	1
61	PV22-00-028	Retaining Ring	1
62	PV22-00-042	Screw	4
63	PV22-00-006	Sleeve Retainer	2
64	PV22-10-002	Expander	4
64A	3,969-60	Ball	4
65	PV22-10-001	Servo Sleeve	2
66	PV22-00-011-02	Seal Ring	2
67	PV22-00.011-03	Seal Ring	2
68	M8 – 6g x 55.58.05	Hexagonal Bolt	2
68A	8 65G 019	Washer	2
69	PV22-09.005	Washer	2

70	PV22-09.004	Spring Guide	2
71	PV22-09.003	Servo Spring	2
72	PV22-09.001	Sevo Piston	2
75	PV22-09.006	Link	2
76	PV22-01.007	Pilot Ring	1
77	B-58	Ring	1
78	PV22-01.006	Washer	1
79	PV22-01.005	Spring Guide	1
80	PV22-01.009	Spring	1
81	PV22-01.004	Spring Seat	1
82	PV22-01.010	Spring	6
83	PV22-01.008	Cylindrical Pin	1
84	PV22-01.200	Cylinder Block	1
85	PV22-01.001	Retainer Guide	1
86	PV22-01.003	Slipper Retainer	1
87	PV22-01.100	Piston Assembly	9
88	PV22-00.003	Thrust Plate	1
89	PV22-09.002	Swash Plate	1
90	PV22-00.024	Transportation Plug	2
91	PV22-00.025	Thread Plug	2
92	PV22-00.026	Name Plate	1
93	PV22-00.027	Rivet	4

Variable Displacement Pump PV 22

Pos.	Designation	Part	Quantity in a Pump, psc
1	PV23-00.040	Hexagonal Bolt	4
2	PV23-00.044	Washer	4
3	PV23-05.000	Charge Pump	1
4	PV23-00.016	Gasket	1
5	PV23-07.000	Check Valve	2
6	PV23-00.032	Hexagonal Bolt	4
7	PV23-00.031	Hexagonal Bolt	4
8	PV23-00.046	Washer	9
8A	PV23-00.007	Hanger	2
9	PV23-00.005	Back Cover	1
10	PV23-00.019	Shim	5
11	PV23-00.015	Gasket	1
12	Serie HM81610, Serie HM81649	Bearing	1
13	PV23-00.023	Cylindrical Pin	1
14	PV23-00.001	Valve Plate	1
15	PV23-00.002	Bearing Plate	1
16	PV23-00.022	Cylindrical Pin	2
17	PV23-00.011-01	Seal Ring	1
18	PV23-00.004	Housing	1
19	PV23-05.038	Hexagonal Bolt	9
21	PV23-00.044	Washer	9
22	PV23-07.043	Hexagonal Nut	1
23	PV23-00.045	Toothed Lock Washer	1
24	PV23-00.010	Control Handle	1
25	PV23-00.009	Spacer Control	1
28	PV23-06.000	Control Valve	1

29	PV23-00-013	Orifice	1
29A	PV23-00.013-01	Orifice	2
30	PV23-00.011-01	Seal Ring	3
33	PV23-00.017	Gasket	1
34	PV23-00.008	Expander	1
34A	7.938-80	Ball	1
35	PV23-12.001	Plug	1
36	PV23-00.011-06	Seal Ring	1
37	PV23-00.037	Hexagonal Bolt	6
38	PV23-00.046	Washer	6
39	PV23-08.001	Trunnion	2
40	PV23-00.018	Shim pack	4
40	PV23-00.018-01	Shim pack	4
40	PV23-00.018-02	Shim pack	4
40	PV23-00.018-03	Shim pack	1
40	PV23-00.018-04	Shim pack	4
40	PV23-00.018-05	Shim pack	1
41	PV23-08.002	Seal Ring	2
42	6-7409A	Bearing	2
43	PV23-02.001	Shaft	1
44	6-7410A	Bearing	1
45	PV23-09.010	Connecting Link	1
46	PV23-09.012	Lock Washer	2
47	PV23-09.011-01	Pin	1
48	PV23-09.008	Ring	8
49	PV23-09.007	Pin	4
50	PV23-00.014	Gasket	1
51	PV23-00.022	Cylindrical Pin	2
52	PV23-03.001	Cover	1
53	PV23-00.046	Washer	13
54	PV23-00.036	Hexagonal Bolt	3
54A	PV23-00.034	Hexagonal Bolt	9
55	PV23-00.002	Seal Frame	1
55A	PV23-04-002	Bushing	1
56	PV23-00-011	Seal Ring	2
57	PV23-04-004	Spring	8
58	PV23-04-002	Pin	1
59	PV23-04-004	Seal Ring	1
60	PV23-04-001	Seal Frame	1
61	PV23-00-028	Retaining Ring	1
62	PV23-00-042	Screw	4
63	PV23-00-006	Sleeve Retainer	2
64	PV23-10-002	Expander	4
64A	3,969-60	Ball	4
65	PV23-10-001	Servo Sleeve	2
66	PV23-00-011-01	Seal Ring	2
67	PV23-00.011-02	Seal Ring	2
68	M8 – 6g x 55.58.05	Hexagonal Bolt	2
68A	8 65G 019	Washer	2
69	PV23-09.005	Washer	2
70	PV23-09.004	Spring Guide	2
71	PV23-09.003	Servo Spring	2
72	PV23-09.001	Servo Piston	2
75	PV23-09.006	Link	2
76	PV23-01.007	Pilot Ring	1
77	B-62 GOST 13943-86	Ring	1
78	PV23-01.006	Washer	1
79	PV23-01.005	Spring Guide	1

80	PV20-01.009	Spring	1
81	PV20-01.004	Spring Seat	1
82	PV20-01.010	Spring	6
83	PV20-01.008	Cylindrical Pin	1
84	PV20-01.200	Cylinder Block	1
85	PV20-01.001	Retainer Guide	1
86	PV20-01.003	Slipper Retainer	1
87	PV20-01.100	Piston Assembly	9
88	PV20-00.003	Thrust Plate	1
89	PV20-09.002	Swash Plate	1
90	PV20-00.024	Transportation Plug	2
91	PV20-00.025	Thread Plug	2
92	PV20-00.026	Name Plate	1
93	PV20-00.027	Rivet	4