

EXPLODED VIEW & PARTS LISTING

Air Operated Double Diaphragm pump

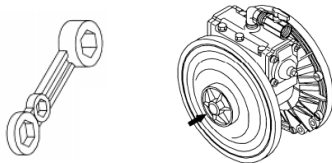
Model : NDP-P50BP.

Yamada Europe B.V.

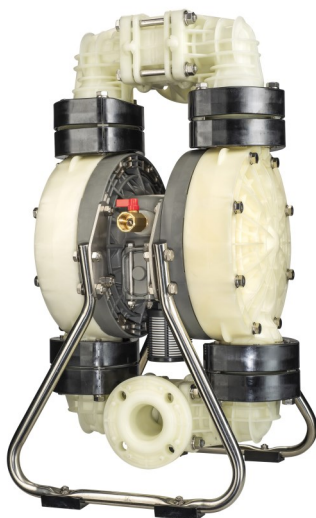
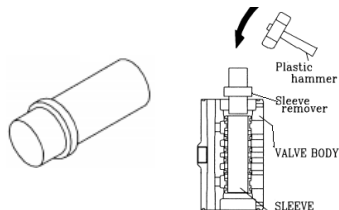


Material: PPG (Reinforced Polypropylene)

Special tools sold separately:
771868—Disk remover



713180—Sleeve remover



To Purchase:

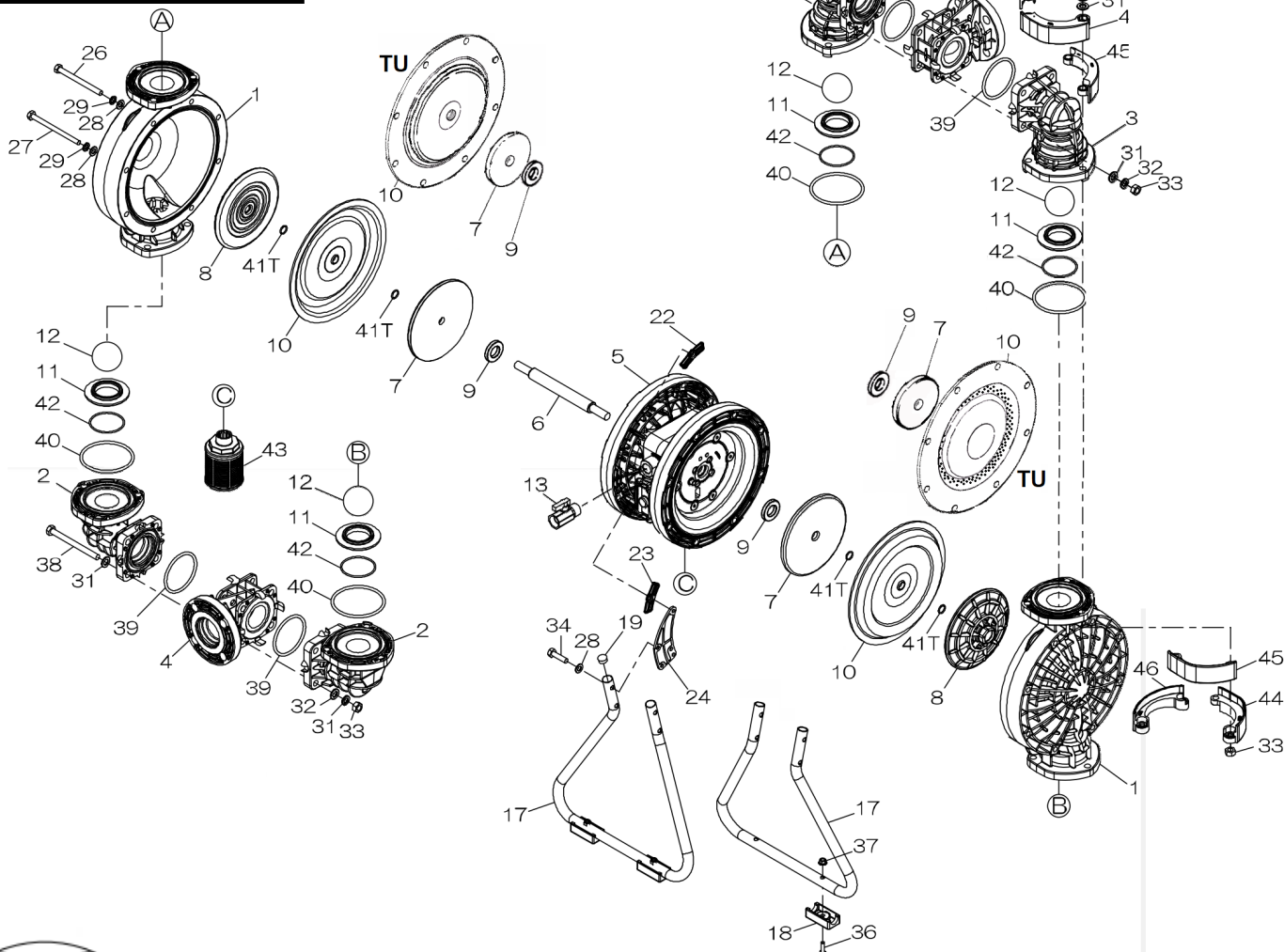
☎ 0031 (0)74 242 2032

✉ sales@yamada.nl

More information:

▶ YouTube: [@yamadapump](https://www.youtube.com/@yamadapump)

🌐 yamada-europe.com



Tighting torque for:

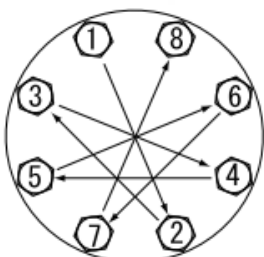
Center rod: 50 Nm
Center rod TU: Hand tight
Out chamber: 35 Nm
Manifold: 25 Nm

Special tools (sold seperately)

771868 Disk remover
713180 Sleeve remover

Miscellaneous:

Assembly oil: use turbine oil none additional class 1
Equiv. to ISO VGA32 grade
Use Urea grease grade NLGI No. 2



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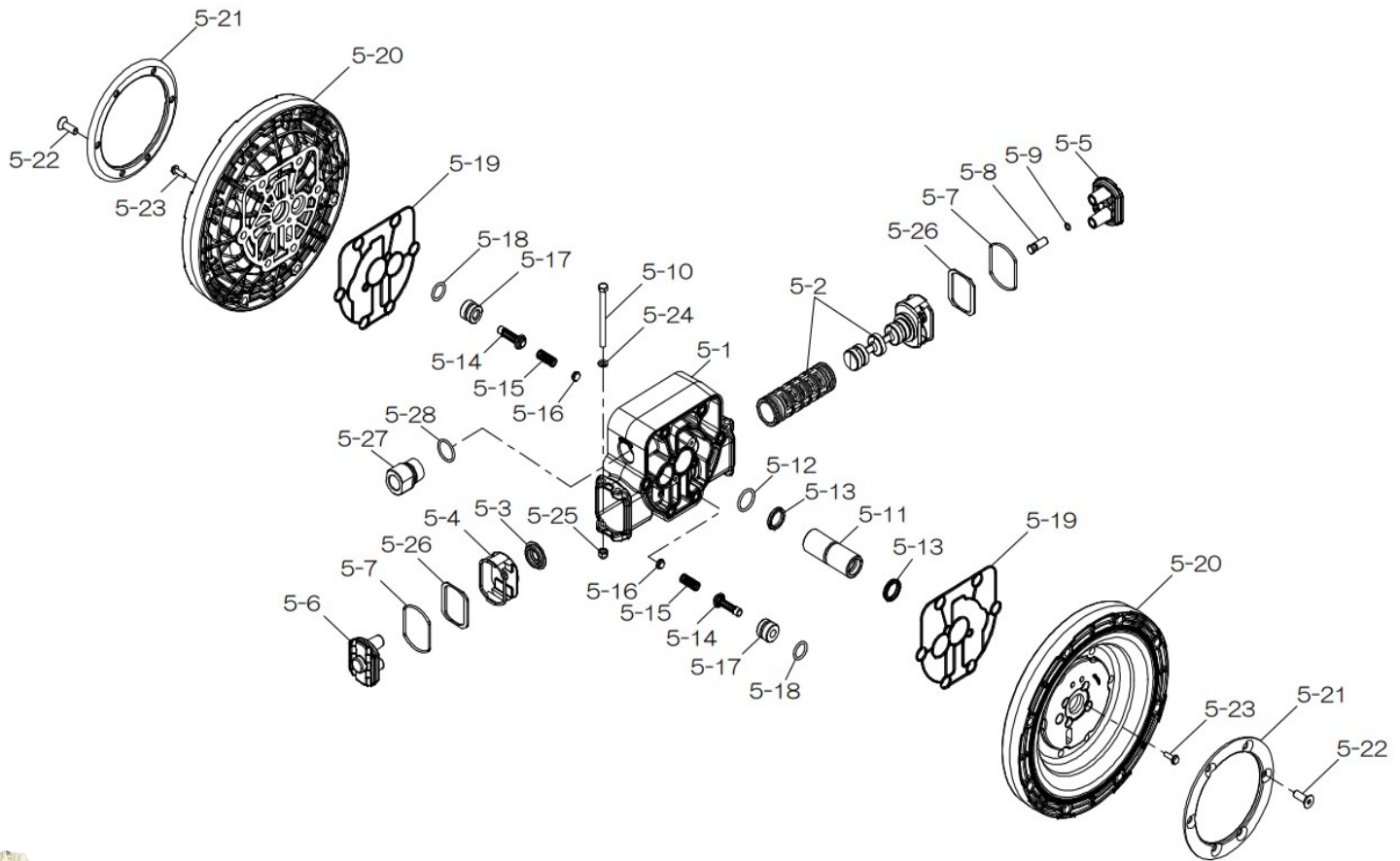
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Air Operated Double Diaphragm pump

Material: PPG (Reinforced Polypropylene)

Body Assembly



DIAPHRAGM

Design

CR	NBR	EPDM	HYTREL	SANTOPRENE	FPM	PTFE	PTFE-EPDM
BPC	BPN	BPE	BPH	BPS	BPV	BPT	BPTU
854827	854828	854829	854832	854833	854830	854831	YE Original



REF. No.	DESCRIPTION	Q'TY.	Part No.
5	BODY ASSY	1	805072
5- 1	VALVE BODY ASSY	1	833120
5- 2	C-SPOOL ASSY	1	805063
5-2-1	O-RING SLEEVE	6	640037
5- 3	CUSHION	1	771923
5- 4	SPRING RETAINER	1	771735
5- 5	CAP A	1	773249
5- 6	CAP B	1	773250
5- 7	GASKET B	2	773252
5- 8	RESET BUTTON	1	773259
5- 9	O-RING	1	640005
5-10	BOLT	4	621167
5-11	THROAT BEARING	1	773253
5-12	O-RING	1	640027
5-13	PACKING	2	685444
5-14	PILOT VALVE ASSY	2	832162
5-15	SPRING	2	711937
5-16	SPRING SEAT	2	773257
5-17	VALVE SEAT	2	773254
5-18	O-RING	2	640020
5-19	GASKET A	2	773251
5-20	AIR CHAMBER	2	780294
5-21	REINFORCEMENT PLATE	2	717073
5-22	BOLT	12	686748
5-23	TAPPING SCREW	8	686747
5-24	PLAIN WASHER	4	631173
5-25	NUT	4	686783
5-26	SPACER	2	773334
5-27	UNION	1	773256
5-28	O-RING	1	640131
KIT	AIR MOTOR		KP50-AM
KIT	AIR MOTOR SEAL		KP50-AMS

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Air Operated Double Diaphragm pump

Material: PPG (Reinforced Polypropylene)

DIAPHRAGM

Design #



						CR	NBR	EPDM	HYTREL	SANTOPRENE	FPM	PTFE	PTFE-EPDM
						BPC	BPN	BPE	BPH	BPS	BPV	BPT	BPTU
						854827	854828	854829	854832	854833	854830	854831	YE Original
REF. No.	DESCRIPTION	Q'TY.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
1	OUT CHAMBER	2	780148	780148	780148	780148	780148	780148	780148	780148	780148	780148	780148
2	IN MANIFOLD	2	780245	780245	780245	780245	780245	780245	780245	780245	780245	780245	780245
3	OUT MANIFOLD	2	780151	780151	780151	780151	780151	780151	780151	780151	780151	780151	780151
4	CENTER MANIFOLD	2	780249	780249	780249	780249	780249	780249	780249	780249	780249	780249	780249
5	BODY ASSY	1	805072	805072	805072	805072	805072	805072	805072	805072	805072	805072	805072
6	CENTER ROD	1	711900	711900	711900	711900	711900	711900	711900	711900	711900	711939	717130
7	CENTER DISK	2	711905	711905	711905	711905	711905	711905	711905	711905	711905	707823	717133
8	CENTER DISK	2	771727	771727	771727	771727	771727	771727	771727	771727	771727	780063	—
9	CUSHION	2	770582	770582	770582	770582	770582	770582	770582	770582	770582	—	773435
10	DIAPHRAGM	2	771855	771702	771856	771703	771976	771800	771800	771800	771800	770815	833220
11	VALVE SEAT	4	772097	772097	772097	772097	772097	772097	772097	772097	772097	772097	772097
12	BALL	4	770627	770630	770633	773143	773173	770636	770636	770636	770636	770693	770693
13	VALVE	1	686973	686973	686973	686973	686973	686973	686973	686973	686973	686973	686973
17	STAND	2	716885	716885	716885	716885	716885	716885	716885	716885	716885	716885	716885
18	RUBBER FOOT	4	771865	771865	771865	771865	771865	771865	771865	771865	771865	771865	771865
19	CAP	4	683641	683641	683641	683641	683641	683641	683641	683641	683641	683641	683641
22	SUPPORTING PLATE A	8	716883	716883	716883	716883	716883	716883	716883	716883	716883	716883	716883
23	SUPPORTING PLATE B	8	716884	716884	716884	716884	716884	716884	716884	716884	716884	716884	716884
24	CONNECTING PLATE	4	717113	717113	717113	717113	717113	717113	717113	717113	717113	717113	717113
26	BOLT	8	686696	686696	686696	686696	686696	686696	686696	686696	686696	686696	686696
27	BOLT	8	686946	686946	686946	686946	686946	686946	686946	686946	686946	686946	686946
28	PLAIN WASHER	24	631330	631330	631330	631330	631330	631330	631330	631330	631330	631330	631330
29	SPRING WASHER	16	680257	680257	680257	680257	680257	680257	680257	680257	680257	680257	680257
30	BOLT	12	621213	621213	621213	621213	621213	621213	621213	621213	621213	621213	621213
31	PLAIN WASHER	28	631331	631331	631331	631331	631331	631331	631331	631331	631331	631331	631331
32	SPRING WASHER	20	680607	680607	680607	680607	680607	680607	680607	680607	680607	680607	680607
33	NUT	20	628014	628014	628014	628014	628014	628014	628014	628014	628014	628014	628014
34	BOLT	8	621177	621177	621177	621177	621177	621177	621177	621177	621177	621177	621177
36	BOLT	4	621149	621149	621149	621149	621149	621149	621149	621149	621149	621149	621149
37	FLANGED NUT	4	683837	683837	683837	683837	683837	683837	683837	683837	683837	683837	683837
38	BOLT	8	684592	684592	684592	684592	684592	684592	684592	684592	684592	684592	684592
39	O RING	4	640064	640064	684121	640064	684121	642064	643064	643064	643064	643064	643064
40	O RING	4	640069	640069	684122	640069	684122	642069	643069	643069	643069	643069	643069
41T	O RING	4	—	—	—	—	—	—	—	—	—	643015	—
42	O RING	4	640139	640139	685448	640139	685448	642139	643139	643139	643139	643139	643139
43	MUFFLER	1	804764	804764	804764	804764	804764	804764	804764	804764	804764	804764	804764
44	PROTECTOR A	8	771786	771786	771786	771786	771786	771786	771786	771786	771786	771786	771786
45	PROTECTOR B	8	771787	771787	771787	771787	771787	771787	771787	771787	771787	771787	771787
46	PROTECTOR C	8	771788	771788	771788	771788	771788	771788	771788	771788	771788	771788	771788
KIT	DIAPHRAGM		K50D-PC	K50D-PN	K50D-PE	K50D-PH	K50D-PS	K50D-PV	K50D-PT	K50D-TU	K50D-TU	K50D-TU	K50D-TU
KIT	VALVE		K50V-PC	K50V-PN	K50V-PE	K50V-PH	K50V-PS	K50V-PV	K50V-PT	K50V-PT	K50V-PT	K50V-PT	K50V-PT
KIT	WET END REPAIR		K50-PC	K50-PN	K50-PE	K50-PH	K50-PS	K50-PV	K50-PT	K50-TU	K50-TU	K50-TU	K50-TU

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MODEL : NDP-P50BP.

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Material: PPG (Reinforced Polypropylene)

Diaphragm options	CR, NBR, EPDM, FPM, TPEE, TPO	PTFE	TU
Max performance	630 L/min	560L/min	600 L/min
Manifold connection	Equivalent to DIN; Flange DN50 PN10 + Inner Rc 2"		
Net Weight	37,0 kg		

