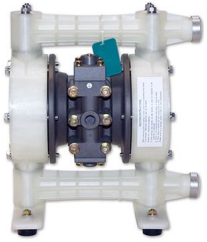


EXPLODED VIEW & PARTS LISTING

Air Operated Double Diaphragm Pump

Model: NDP-25BP
Polypropylene Series



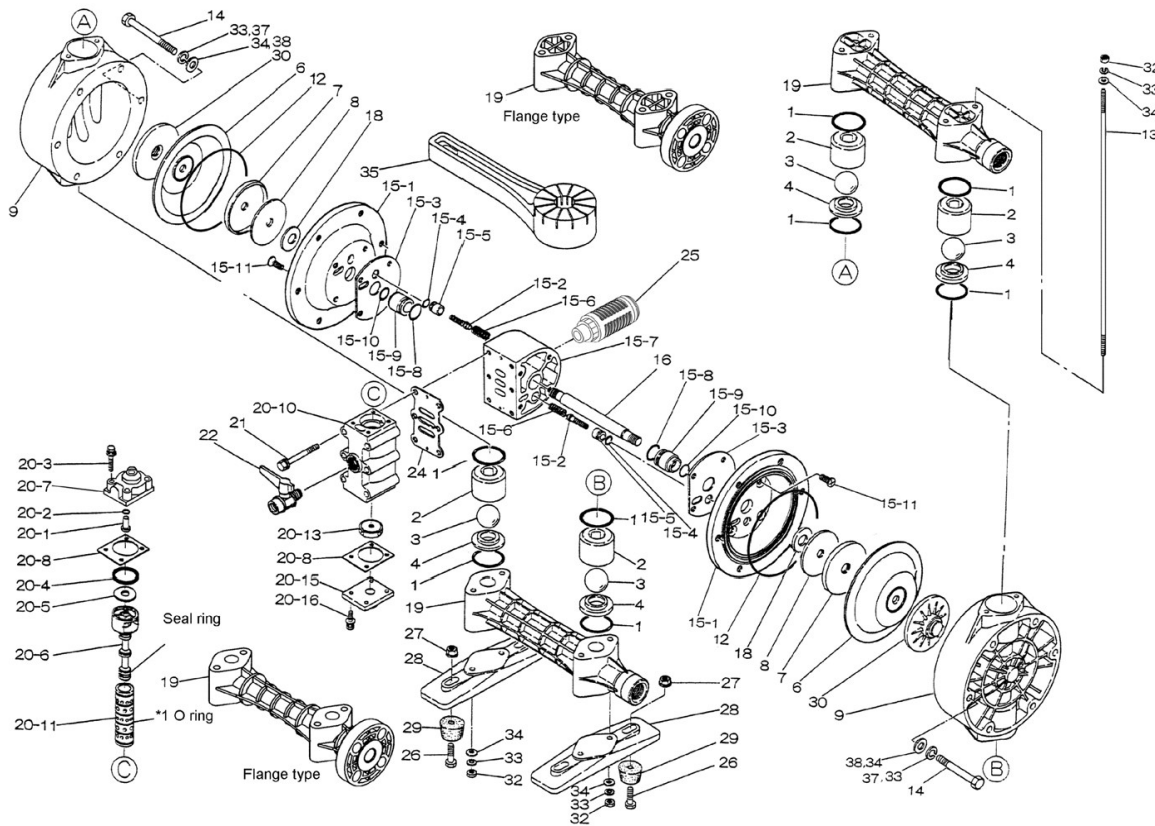
To Purchase:

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- ✉ sales@yamadapump.com
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- ▶ YouTube: @yamadapump
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- Data Sheets | CAD Drawings | Manuals Literature | BOM | Performance Curves

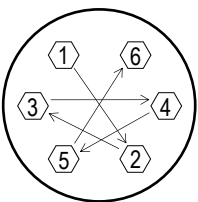
Trial Program



Air Operated Double Diaphragm Pump

	NDP-25BPC	NDP-25BPN	NDP-25BPE	NDP-25BPH	NDP-25BPS	NDP-25BPV			
NPT	851671	852385	852386	852070	852704	852387	** NPT PUMPS **		
Flange	853844	853845	853846	853849	853850	853847	** FLG PUMPS **		
REF. NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	PART NO.	DESCRIPTION	QTY	REORDER
1	640042	640042	684119	640042	684119	642042	O RING 43.7MM X 3.55MM	8	
2	771231	771231	771231	771231	771231	771231	BALL GUIDE 25PP	4	
3	770556	770581	770590	773127	773171	770599	BALL	4	
4	780138	780138	780138	780138	780138	780138	VALVE SEAT 25PP	4	
6	772961	772962	772963	771363	771974	772964	DIAPHRAGM	2	
7	716258	716258	716258	716258	716258	716258	CENTER DISK	2	
8	716259	716259	716259	716259	716259	716259	WASHER	2	
9	780135	780135	780135	780135	780135	780135	OUT CHAMBER 25PP	2	
12	-	-	-	640154	640154	-	O-RING	2	
13	710207	710207	710207	710207	710207	710207	TIE ROD 25PP	4	
14	621189	621189	621189	621189	621189	621189	BOLT M10X1.50X90 HET P	12	
15	804880	804880	804880	804880	804880	804880	CENTER BODY ASSY.	1	
15- 1	715940	715940	715940	715940	715940	715940	AIR CHAMBER	2	
15- 2	802360	802360	802360	802360	802360	802360	PILOT VALVE ASSY 20/25	2	
15- 3	771057	771057	771057	771057	771057	771057	GASKET 20/25	2	
15- 4	640009	640009	640009	640009	640009	640009	O RING	2	
15- 5	771945	771945	771945	771945	771945	771945	PILOT VALVE SEAT 20/25	2	
15- 6	708666	708666	708666	708666	708666	708666	SPRING 20/25	2	
15- 7	711503	711503	711503	711503	711503	711503	BODY 20/25 PP	1	
15- 8	685276	685276	685276	685276	685276	685276	O RING	2	
15- 9	772703	772703	772703	772703	772703	772703	THROAT BEARING 20/25	2	
15-10	685414	685414	685414	685414	685414	685414	V-PACKING 20/25	2	
15-11	682486	682486	682486	682486	682486	682486	BOLT FLAT HD W/ WASHE	8	
16	710271	710271	710271	710271	710271	710271	CENTER ROD 25P&V	1	
18	771054	771054	771054	771054	771054	771054	CUSHION 20/25	2	
19	780012	780012	780012	780012	780012	780012	MANIFOLD 25PP - NPT	2	
19	780210	780210	780210	780210	780210	780210	MANIFOLD 25PP - FLG	2	
20	802809	802809	802809	802809	802809	802809	AIR VALVE ASSY.	1	
20- 1	709161	709161	709161	709161	709161	709161	RESET BUTTON 20/25	1	
20- 2	640005	640005	640005	640005	640005	640005	O RING	1	
20- 3	682704	682704	682704	682704	682704	682704	BOLT M6 FT ZINC W/ WAS	4	
20- 4	771241	771241	771241	771241	771241	771241	PACKING 20/25	1	
20- 5	715961	715961	715961	715961	715961	715961	WASHER	1	
20- 6	802400	802400	802400	802400	802400	802400	C SPOOL ASSY	1	
20-6 seal	771053	771053	771053	771053	771053	771053	SEAL RING	5	
20- 7	711219	711219	711219	711219	711219	711219	CAP A 20/25PP	1	
20- 8	771240	771240	771240	771240	771240	771240	GASKET 20/25	2	
20-10	711640	711640	711640	711640	711640	711640	VALVE BODY 20/25PP	1	
20-11	803931	803931	803931	803931	803931	803931	SLEEVE ASSY	1	
20-11-*1	771080	771080	771080	771080	771080	771080	O-RING	6	
20-13	771914	771914	771914	771914	771914	771914	CUSHION 20/25	1	
20-15	711212	711212	711212	711212	711212	711212	CAP B 20/25PP	1	
20-16	682262	682262	682262	682262	682262	682262	BOLT M6 FT ZINC W/ WAS	4	
21	682265	682265	682265	682265	682265	682265	BOLT M8 PT ZINC W/ WAS	6	
22	684320	684320	684320	684320	684320	684320	BALL VALVE	1	
24	771056	771056	771056	771056	771056	771056	GASKET 20/25	1	
25	804697	804697	804697	804697	804697	804697	MUFFLER 20/25PP NEW	1	
26	611153	611153	611153	611153	611153	611153	BOLT M8X1.25X35 HEX FT	4	
27	682276	682276	682276	682276	682276	682276	NUT W/ FLANGE M8 X 1.2	4	
28	771235	771235	771235	771235	771235	771235	BASE 25PP	2	
29	770551	770551	770551	770551	770551	770551	FOOT RUBBER	4	
30	780125	780125	780125	780125	780125	780125	CENTER DISK 25PP-R	2	
32	683635	683635	683635	683635	683635	683635	NUT 10/20F&20/25 M8X1	8	
33	681300	681300	681300	681300	681300	681300	SPRING WASHER M8 SS DI	8	
34	631329	631329	631329	631329	631329	631329	WASHER FLAT M8 SS DIN	8	
35	771244	771244	771244	771244	771244	771244	TOOL 20/25PP&V	2	
37	680257	680257	680257	680257	680257	680257	SPRING WASHER M10 SS D	12	
38	631330	631330	631330	631330	631330	631330	WASHER FLAT M10 SS	12	
KIT	ORDER PARTS INDIVIDUALLY						LIQUID END KIT		
KIT	K225-AM						AIR MOTOR KIT		

Air Operated Double Diaphragm Pump



Tightening torque for center rod and out chambers.

Center Rod	29 ft-lbf {40 N-m}
Out Chambers C/N/E/V	8 ft-lbf {10 N-m}
Out Chambers H/S	15 ft-lbf {20 N-m}

Tightening torque for manifold retainer bolts.
 BPC/E/H/N/S/V 8 ft-lbf {10 N-m}

General Tools:

- Socket wrenches - 10mm, 12mm, 13mm, 17mm, 22mm
- Hexagonal box wrench - 5mm
- Open-end wrenches - 13mm

Special Tools:

- Disc remover (771244) used for removing the center disk
- Sleeve remover (713148) used for removing the sleeve.

Miscellaneous:

- Assembly Oil - turbine oil none additional class 1 (equivalent to ISO VG32 grade)
- Nuts - M14 x 1.5
- Urea grease grade (NLGI) No. 2
- Lubricants equivalent to (Loctite Anti-Seize 767)

Customer Notes	
Model #:	_____
Description:	_____
Serial #:	_____
Date Installed:	_____
Department Location:	_____
Tag/Project:	_____