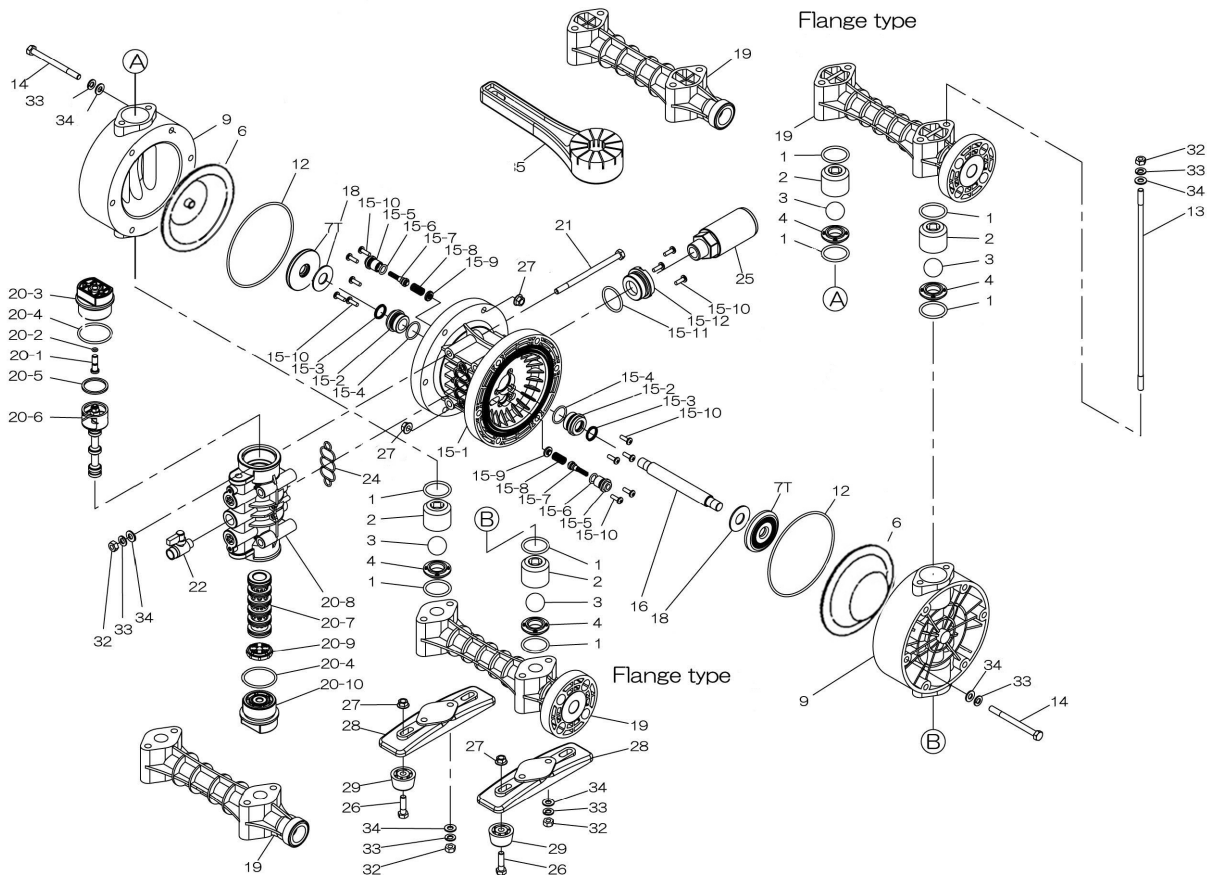
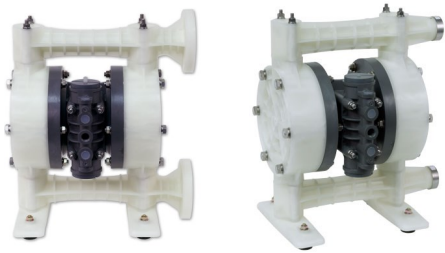


EXPLODED VIEW & PARTS LISTING



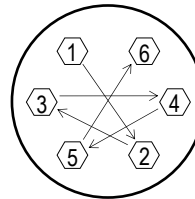
Air Operated Double Diaphragm Pump

Model: NDP-20BPU-PP  
 Part # 854098-U - NPT  
 Part # 854112-U - Flange



Air Operated Double Diaphragm Pump

REF. No.	PART No.	DESCRIPTION	QTY.	REORDER
<b>NPT 854098-U ** NPT PUMPS **</b>				
<b>FLANGE 854112-U ** FLANGE PUMPS **</b>				
1	643036	O-RING	8	
2	771216	BALL GUIDE	4	
3	770736	BALL	4	
4	780137	VALVE SEAT	4	
6	832549	DIAPHRAGM	2	
7T	772562	CENTER DISK (AIR SIDE)	2	
9	780134	OUT CHAMBER	2	
12	640151	O-RING	2	
13	710122	TIE ROD	4	
14	621163	BOLT	12	
<b>15</b>	<b>804603</b>	<b>CENTER BODY ASSY.</b>	<b>1</b>	
15-1	772928	BODY	2	
15-2	780326	THROAT BEARING	2	
15-3	685414	V-PACKING	2	
15-4	685276	O-RING	2	
15-5	772932	VALVE SEAT	2	
15-6	640009	O-RING	2	
15-7	802360	PILOT VALVE ASSY.	2	
15-8	708666	SPRING	2	
15-9	772948	SPRING SEAT	2	
15-10	686030	TAPPING SCREW	13	
15-11	640132	O-RING	1	
15-12	772933	BUSHING	1	
16	714674	CENTER ROD	1	
18	771054	CUSHION	1	
19	780010	MANIFOLD (NPT)	2	
	780208	MANIFOLD (FLANGE)	2	
<b>20</b>	<b>804608</b>	<b>AIR VALVE ASSY.</b>	<b>1</b>	
20-1	772991	RESET BUTTON	1	
20-2	640002	O-RING	1	
20-3	772946	CAP A	1	
20-4	640043	O-RING	2	
20-5	771241	PACKING	1	
20-6	802400	C-SPOOL ASSY.	1	
20-6-seal	771053	SEAL RING	5	
20-7	804609	SLEEVE ASSY.	1	
20-7-*1	686029	O-RING (SLEEVE O.D.)	6	
20-8	832903	VALVE BODY	1	
20-9	771914	CUSHION	1	
20-10	772947	CAP B	1	
21	686031	BOLT	4	
22	686968	BALL VALVE	1	
24	772848	GASKET	1	
25	804697	SILENCER	1	
26	621151	BOLT	4	
27	686032	NUT W/FLANGE	16	
28	771219	PUMP BASE	2	
29	770551	FOOT RUBBER	4	
32	683635	NUT	12	
33	681300	SPRING WASHER	24	
34	631329	FLAT WASHER	24	
35	771244	TOOL	2	
KIT	K20-PU-PP	LIQUID SIDE KIT		
KIT	K225-AP	AIR MOTOR KIT		



**Tightening torque:**  
 Out Chambers  
 Manifold Retainer Nuts

10 ft-lbf {13 N-m}  
 9 ft-lbf {12 N-m}

**General Tools:**

- Socket wrenches - 10mm, 12mm, 13mm, 17mm, 22mm
- Hexagonal box wrench - 5mm
- Open-end wrenches - 12mm, 13mm, 22mm
- Adjustable angle wrenches
- Phillips head screw driver

**Special Tools:**

- Disk remover (771244) (included)
- Sleeve remover (713148) (sold separately)

**Miscellaneous:**

- Assembly Oil - turbine oil none additional class 1 (equivalent to ISO VG32 grade)
- Urea grease grade (NLGI) No. 2

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