



SALES & ENGINEERING DATA

1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)

MODEL:DP12-40XXXXXXX

◆SPECIFICATIONS:

Air Inlet(Female): 3/8"BSPT(3/8"NPT Available On Request)

Fluid Outlet: 1-1/2"BSPT Or 1-1/2"NPT;

Fluid Inlet: 1-1/2"BSPT Or 1-1/2"NPT;

Maximum Flow Rate: 90GPM(340.7LPM)

Max. Air Input Pressure: 100psi(7bar)

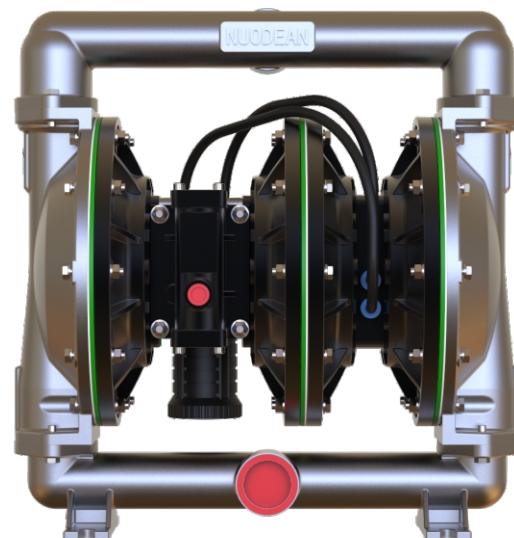
Fluid Pressure Range: 20-200psi(1.4-14bar)

Suspended Solids Max. Dia.: 1/4"(6.4mm)

Maximum Dry Suction Lift: 19feet(5.8m)

Weight: 48kg;

Sound Level: 70PSI 60 Cycles/Min 88.0db(A)



◆PRODUCT ADVANTAGES:

1. Fluid pressure is increased to 2:1 Ratio of compressed air pressure without sacrificing flow.
2. Stall-free Design.
3. Self-lubricating,lube-free and maintenance-free air system.

◆APPLICATION AREAS:

Filter press, ceramic, high head pressure or long distance

◆MODEL DESCRIPTIONS & ORDERING:

DP12	-	40	X	X	X	X	X	X	X
		Pump Size	Center Body Mat.	Fluid Caps Manifold Mat.	Seat Material	Ball Check Material	Diaphragm Material	Fluid Connections	Hardware

Pump Size	40-1 1/2"				
CenterBody Mat.	A-Aluminum		C-CastIron		
FluidCaps ManifoldMat.	A - Aluminum		S -StainlessSteel	C-CastIron	
Seat Material	1 - Aluminum	2 - 316StainlessSteel	4-PVDF(Kynar)	5-CarbonSteel	
	E-Santoprene	8-HardStainlessSteel	9-Hytrel	G-Nitrile	
BallCheck Material	2-Nitrile	C-Hytrel	4-PTFE	E-Santoprene	
Diaphragm Material	2-Nitrile	4-PTFE/Santoprene	9-Hytrel	B-Santoprene	
FluidConnections	N-NPTThreads		B-BSPThreads		
Hardware	S-StainlessSteel		C-CarbonSteel		

1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)

www.nuodeanfluid.com | DP Series Diaphragm Pumps | sales@nuodeanpump.com

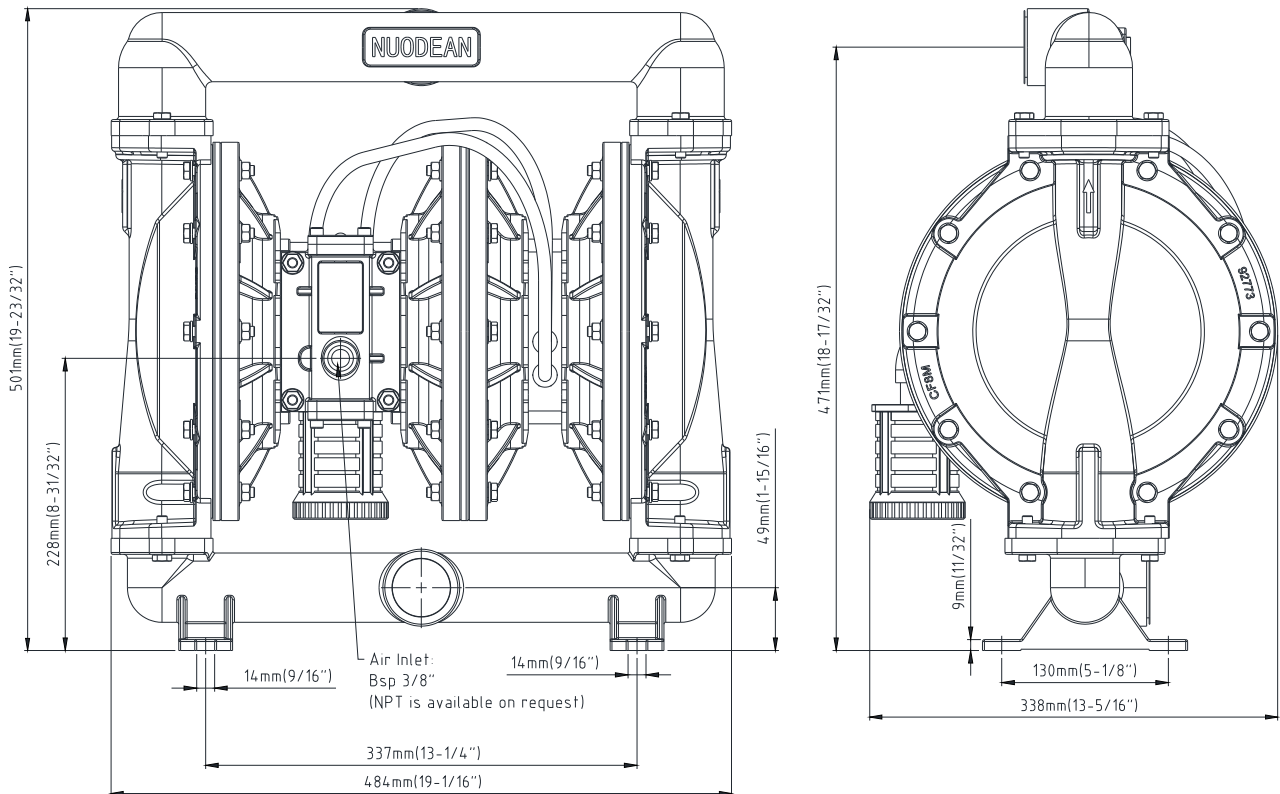


SALES & ENGINEERING DATA

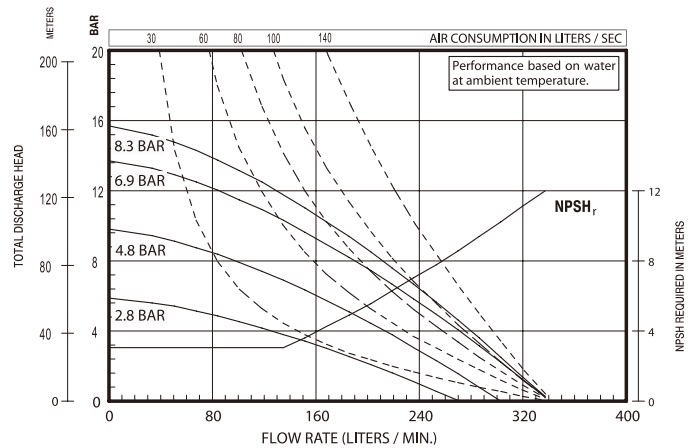
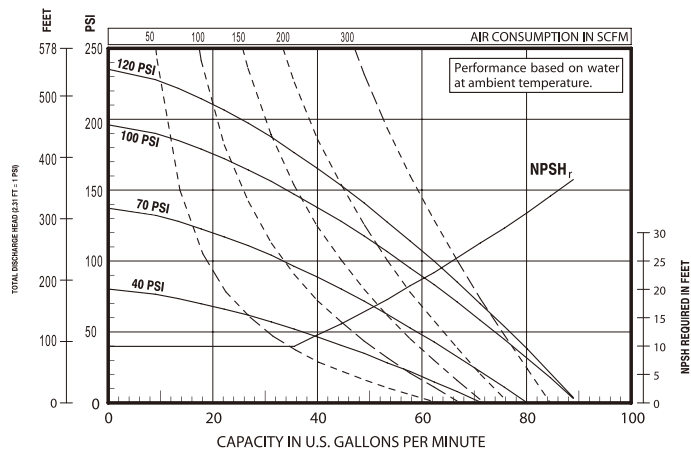
1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)

MODEL:DP12-40XXXXXX

DIMENSIONS:



PERFORMANCE CURVE:



ACCESSORIES:

Service Repair Kits:

DP12-Air40(air section)

DP12-Flu40 - XX(fluid section)

- Diaphragm Material
- Ball Material

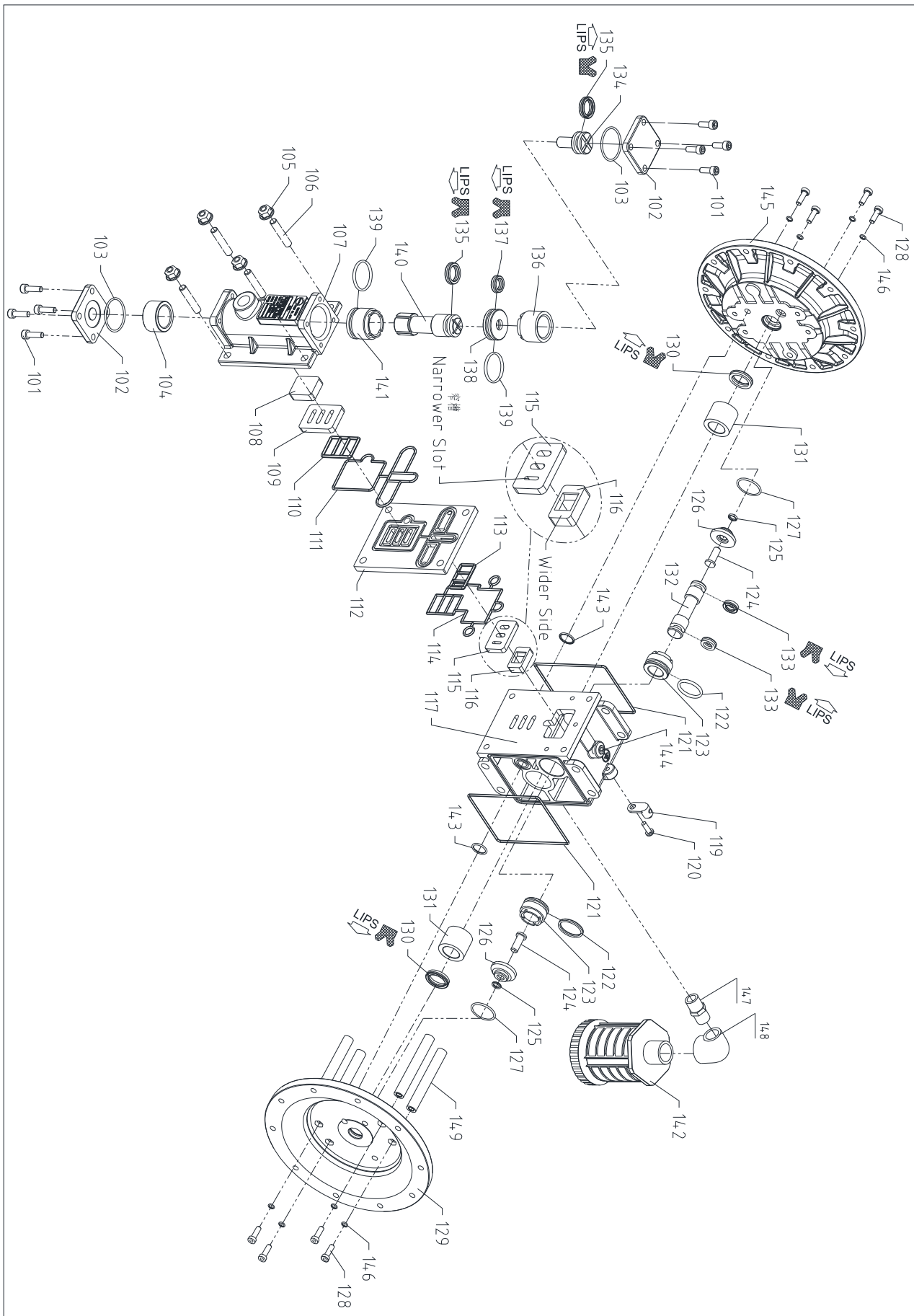
1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)

www.nuodeanfluid.com | DP Series Diaphragm Pumps | sales@nuodeanpump.com

1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)

MODEL:DP12-40XXXXXXX

Exploded View Of Air Motor Section



1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)



SALES & ENGINEERING DATA

1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)

MODEL:DP12-40XXXXXX

Parts List Of Air Motor Section

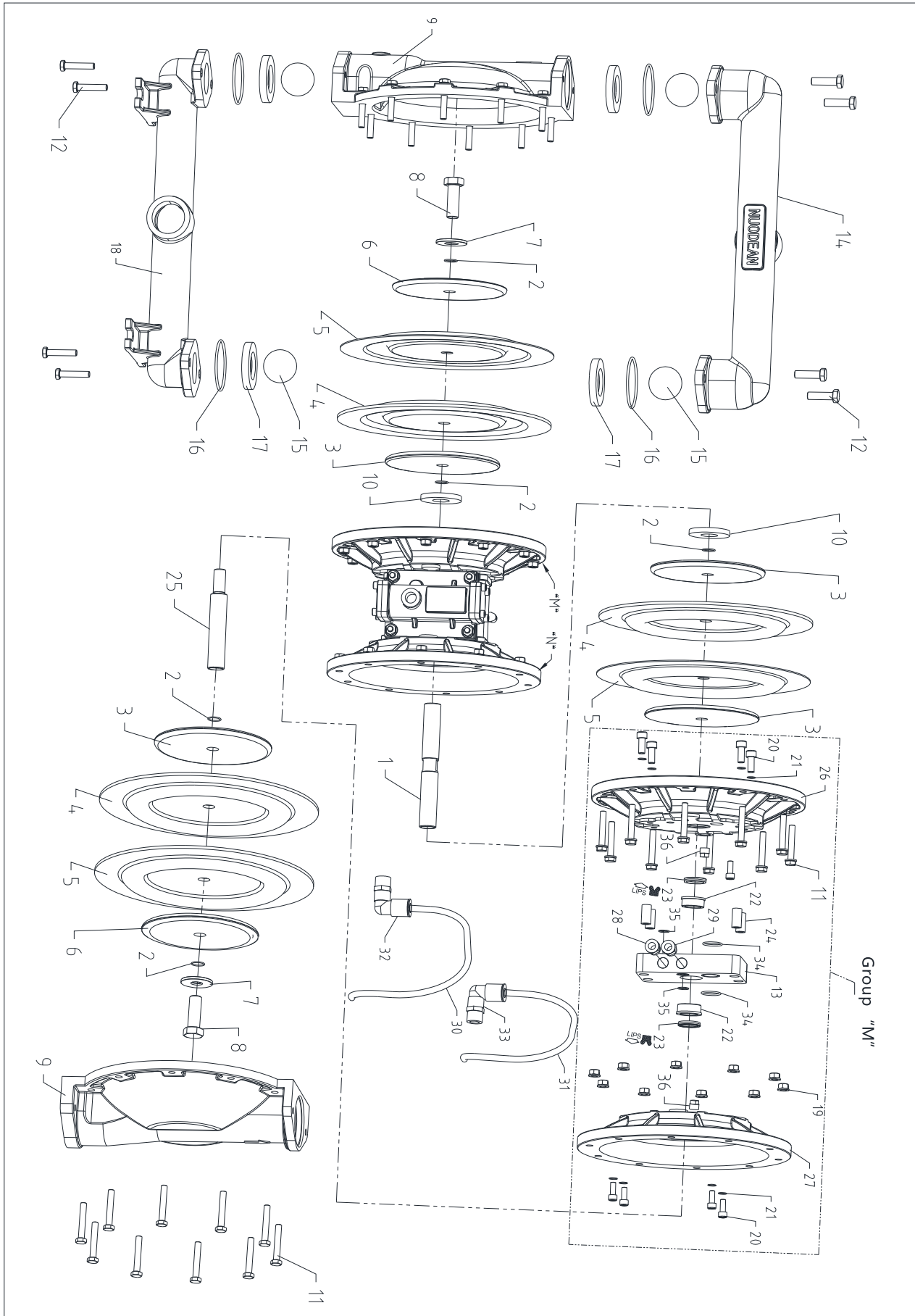
Position number	Description	Part number	Part number	Quantity
101	Screw M6*16	NDA-PX16	Carbon Steel	8
		NDA-PX17	ANSI 304	8
102	Motor Cap	NDA-PJ66	Aluminum	2
103	O-Ring 35*2.4(id*sec)	NDA-PY14	Nitrile	2
104	Guide Bush	NDA-PK77	POM	1
105	Nut M8	NDA-PX11	Carbon Steel	4
		NDA-PX12	ANSI 304	4
106	Stud M8*40	NDA-PX13	Carbon Steel	4
		NDA-PX14	ANSI 304	4
107	Air Valve Body	NDA-PI66	Aluminum	1
108	Valve Insert	NDA-PK83	Ceramic	1
109	Valve Plate	NDA-PK84	Ceramic	1
110	Gasket	NDA-PF67	Nitrile	1
111	Gasket	NDA-PF66	Nitrile	1
112	Adapter Plate	NDA-PN67	Aluminum	1
113	Gasket	NDA-PF69	Nitrile	1
114	Gasket	NDA-PF68	Nitrile	1
115	Valve Plate	NDA-PK75	Ceramic	1
116	Valve Insert	NDA-PK76	Ceramic	1
117	Pump Body	NDA-PA78	Aluminum	1
119	Ground Lug	93004	Copper	1
120	Screw M5x15	NDA-PX15	ANSI 304	1
121	Gasket	NDA-PF70	Nitrile	2
122	O-Ring 25*2.65 (id*sec)	NDA-PY15	Nitrile	2
123	Guide Bush	NDA-PK69	POM	2
124	Pilot Pin	NDA-PK181	ANSI 304	2
125	O-Ring 5*1.5 (id*sec)	NDA-PY16	PU/NBR	2
126	Retainer Ring	NDA-PK131	Brass	2
127	O-Ring 25*2.65 (id*sec)	NDA-PY15	Nitrile	2
128	Screw M8x20	NDA-PX97	Carbon Steel	8
		NDA-PX98	ANSI 304	8
129	Air Cap	NDA-PB119	Aluminum	1
130	Y-type Ring 31*23*4.5	NDA-PS203	Nitrile	2
131	Bush	NDA-PG68	POM	2
132	Spool	NDA-PK73	POM	1
133	Y-type Ring 18*10*4.5	NDA-PS67	Nitrile	2
134	Shaft	NDA-PK80	POM	1
135	Y-type Ring 25x17x4.5	NDA-PS68	Nitrile	2
136	Bush	NDA-PK79	POM	1
137	Y-type Ring 20x12x4.5	NDA-PS69	Nitrile	1
138	Retainer Ring	NDA-PK81	POM	1
139	O-Ring 30*2.65(id*sec)	NDA-PY18	Nitrile	2
140	Spool	NDA-PK78	POM	1
141	Guide Bush	NDA-PK82	POM	1
142	Muffler	93139	Assembly	1
143	O-Ring 15*2.65 (id*sec)	NDA-PY17	Nitrile	2
144	Plug 1/8"	NDA-PN106	ANSI 304	1
145	Air Cap	NDA-PB120	Aluminum	1
146	O-Ring 7*1.8 (id*sec)	NDA-PY26	Nitrile	8
147	3/4" Nipple	NDA-PN173	Malleable iron	1
148	3/4" Elbow	NDA-PN174	Malleable iron	1
149	Long Tension Bar	NDA-PN169	ANSI 304	4

1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)

1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)

MODEL:DP12-40XXXXXXX

Exploded View Of Fluid Section



1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)

www.nuodeanfluid.com | DP Series Diaphragm Pumps | sales@nuodeanpump.com



SALES & ENGINEERING DATA

1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)

MODEL:DP12-40XXXXXX

Parts List Of Fluid Section

Position number	Description	Part number	Material	Quantity
1	Rod	NDA-PD70	ANSI 304	1
2	O-ring	Y328-16	PTFE	5
3	Washer-Air Side	NDA-PH68	Carbon Steel	4
4	Backer Diaphragm	94616	Santoprene	3
5	Diaphragm	92755-1	Neoprene	3
		92755-2	Nitrile	3
		94617	PTFE	3
		94615-A	Santoprene	3
6	Washer-Fluid Side	NDA-PH77	ANSI 304	2
7	Washer	93065	ANSI 304	2
8	Bolt M16x1.5x45	NDA-PX32	ANSI 304	2
9	Fluid Cap	97621	ANSI 316	2
		92778	Cast Iron	2
10	Limit Ring	NDA-PG74	Aluminum	2
11	Bolt M8x45	NDA-PX62	Carbon Steel	30
		NDA-PX63	ANSI 304	30
12	Bolt (3/8" - 16 x 1-1/4")	Y6-66-C	Carbon Steel	8
		Y6-66-T	ANSI 304	8
13	Vice Body	NDA-PA77	Aluminum	1
14	Outlet Manifold	NDA-PC180	ANSI 316	1
		NDA-PC181	Cast Iron	1
15	Ball (44, 45mm)	92757-1	Neoprene	4
		92757-2	Nitrile	4
		92757-4	PTFE	4
		94804	Stainless Steel	4
		92757-A	Santoprene	4
16	O-ring	Y325-230	Nitrile	4
		92761	EPDM	4
		Y220-230	PTFE	4
17	Seat	92776	ANSI 316	4
		95676	Carbon Steel	4
18	Inlet Manifold	NDA-PC182	ANSI 316	1
		NDA-PC183	Cast Iron	1
19	Nut M8	NDA-PX11	Carbon Steel	30
		NDA-PX12	ANSI 304	30
20	Screw M8x20	NDA-PX97	Carbon Steel	8
		NDA-PX98	ANSI 304	8
21	O-ring 7*1.8 (i. d. *sec.)	NDA-PY26	Nitrile	8
22	Bush	NDA-PG73	POM	2
23	Y-type Ring 31*23*4.5	NDA-PS203	Nitrile	2
24	Short Tension Bar	NDA-PN170	ANSI 304	4
25	Vice Rod	NDA-PD81	ANSI 304	1
26	Air Cap	NDA-PB120	Aluminum	1
27	Air Cap	NDA-PB119	Aluminum	1
28	Fitting	NDA-PZ171	Pneumatic element	1
29	Fitting	NDA-PZ171	Pneumatic element	1
30	Φ10 Pipe	NDA-PZ172	Plastic	1
31	Φ10 Pipe	NDA-PZ172	Plastic	1
32	Fitting	NDA-PZ173	Pneumatic element	1
33	Fitting	NDA-PZ173	Pneumatic element	1
34	O-Ring 21*1.8 (id. *sec.)	NDA-PY46	Nitrile	2
35	O-Ring 13*1.8 (id. *sec.)	NDA-PY47	Nitrile	2
36	3/8" Plug	NDA-PN172	ANSI 304	2

1-1/2" TRIPLE DIAPHRAGM PUMP(2:1 Ratio Pressure)