

**1-1/2" TRIPLE DIAPHRAGM PUMP(High Pressure)**

Rev.A

Model: DP12-40BIXXXXXX

◆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: 110GPM(416LPM)

Max. Operating 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: 110 lbs(50kg);

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

**PRODUCT ADVANTAGES:**

1. Stall-free Design.

2. Self-lubricating,lube-free and maintenance-free air system.

3. More flow and less pulsation:Pilot Air-distribution Valve provides an positive, reliable, faster shif signal that avoids stall-out, and provides faster pump trip-over with more flow and less pulsation.

4. The use of dual ceramic dynamic seals:More wear-resisting and to prevent & discharge pollution;Applicable to the harsh environment of air source;Long lifetime.

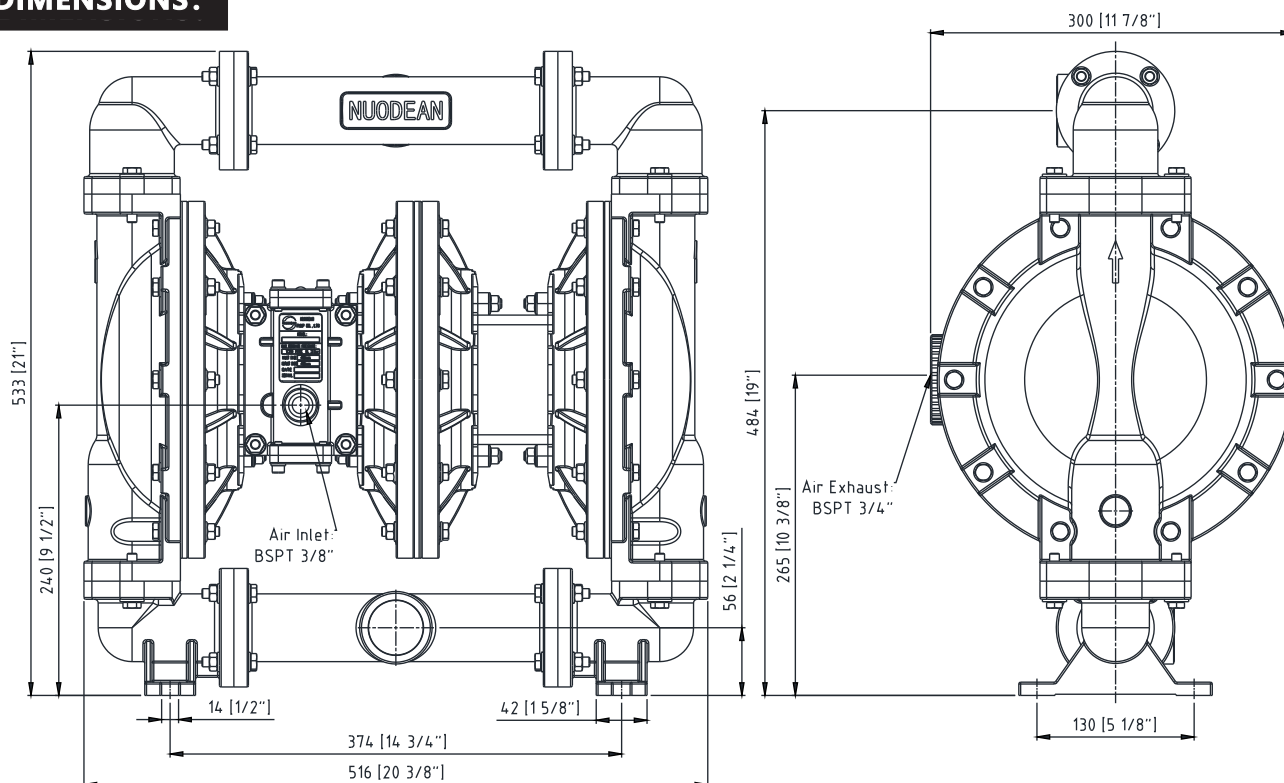
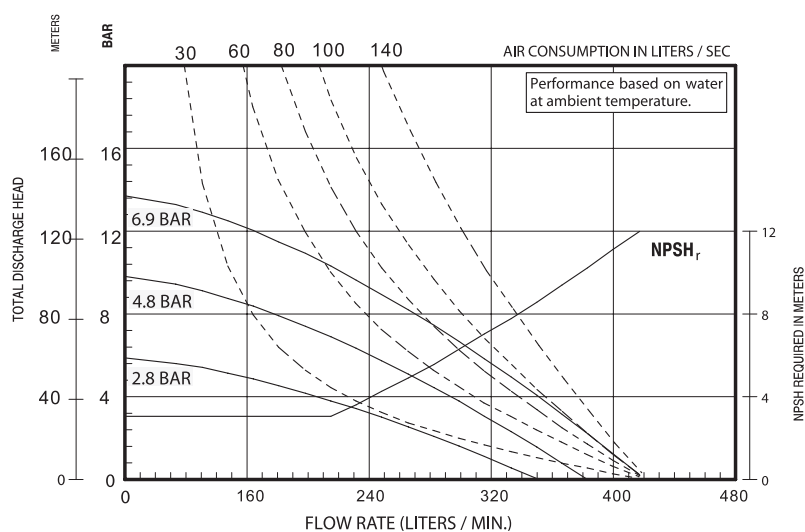
5. Big flow Rate:Faster pump reversing increases flow to a certain extent.

6. Anti-icing design:With built-in vacuum pump chamber, it is anti-icing and effectively reduces the discharge air pressure and noise from work.

7. High lift,Stable operating: Greatly optimized air system ensures the efficiency.

◆MODEL DESCRIPTIONS & ORDERING:

Model	DP12	-	40	B	X	X	X	X	X	X	X
	Product Series		Pump Size	Check Valve Type	Wetted Parts	Diaphragm Material	Check Valve Ball	Check Valve Seat	Center Section	Fluid Connections	Hardware
Pump Size			40-1 1/2"								
Check Valve Type			B-Ball								
Wetted Parts			A-Aluminum		I-Ductile Iron		S-Stainless Steel		H-Alloy C		
Diaphragm Material			1-Neoprene		2-Nitrile		3-Viton		4-PTFE/Santoprene		
			5-EPDM		6-Composite PTFE		7-Santoprene		8-Hytrel		
Check Valve Ball			1-Neoprene		2-Nitrile		3-Viton		4-PTFE		
			5-EPDM		6-Acetal		7-Polyurethane		8-Stainless Steel		
			9-Hytrel		B-Santoprene		A-Alumimum				
Check Valve Seat			1-Aluminum		2-316 Stainless Steel		3-Polypropylene		4-Kynar PVDF		
			5-Carbon Steel		6-Nylon		7-Hard 440 Stainless Steel				
Center Section			A-Aluminum		I-Ductile Iron		S-Stainless Steel		H-Alloy C		
Fluid Connections			N-NPT Threads		B-BSPT Threads		F-ANSI 150 Flange		G-PN16/PN10 Flange		
Hardware			C-Carbon Steel Galvanized					S-Stainless Steel			

**◆DIMENSIONS:****◆PERFORMANCE CURVES:****◆REPAIR/SERVE KITS:**

Pump Model:

DP12-40B I ☒ ☒ XXXX

Fluid Section Service Kit:

SERVE340F-☒ ☒

Diaphragm Material

Ball Material

EXAMPLE:

If pump model: DP12-40BI74XXXX,
so fluid section service kit is:
SERVE340F-74

Air Section Service Kit:

SERVE340A