

**2" CAST IRON TRIPLE DIAPHRAGM PUMP(High Pressure)**

Rev.A

Model: DP12-50B1XXXXXX

◆SPECIFICATIONS:**Air Inlet(Female):** 3/4"BSPT(3/4"NPT Available On Request)**Fluid Outlet(Female):** 2"BSPT Or 2"NPT**Fluid Inlet(Female):** 2"BSPT Or 2"NPT**Maximum Flow Rate:** 150GPM(567LPM)**Max. Operating Pressure:** 100psi(6.9bar)**Fluid Pressure Range:** 20-200psi(1.4-1.4bar)**Suspended Solids Max. Dia.:** 1/4"(6.4mm)**Maximum Dry Suction Lift:** 19feet(5.8m)**Weight:** 198 lbs(90kg)**Sound Level:** 70PSI 50 Cycles/Min 85.0db(A)**◆PRODUCT ADVANTAGES:**

- ❶ **Absolute Stall-free Design.**
- ❷ **Self-lubricating,lube-free and maintenance-free air system.**
- ❸ **More flow and less pulsation:**Pilot Air-distribution Valve provides an ultra-positive,reliable,faster shif signal that avoids stall-out,and provides faster pump trip-over with more flow and less pulsation.
- ❹ **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.
- ❺ **Big flow Rate:**Faster pump reversing increases flow to a certain extent.
- ❻ **Anti-icing design:**With built-in vacuum pump chamber,it is anti-icing and effectively reduces the discharge air pressure and noise from work;Cold exhaust air is diverted from ice-prone components.
- ❼ **High lift,Stable operating:** Greatly optimized air system ensures the most efficiency,with no air-leakage.

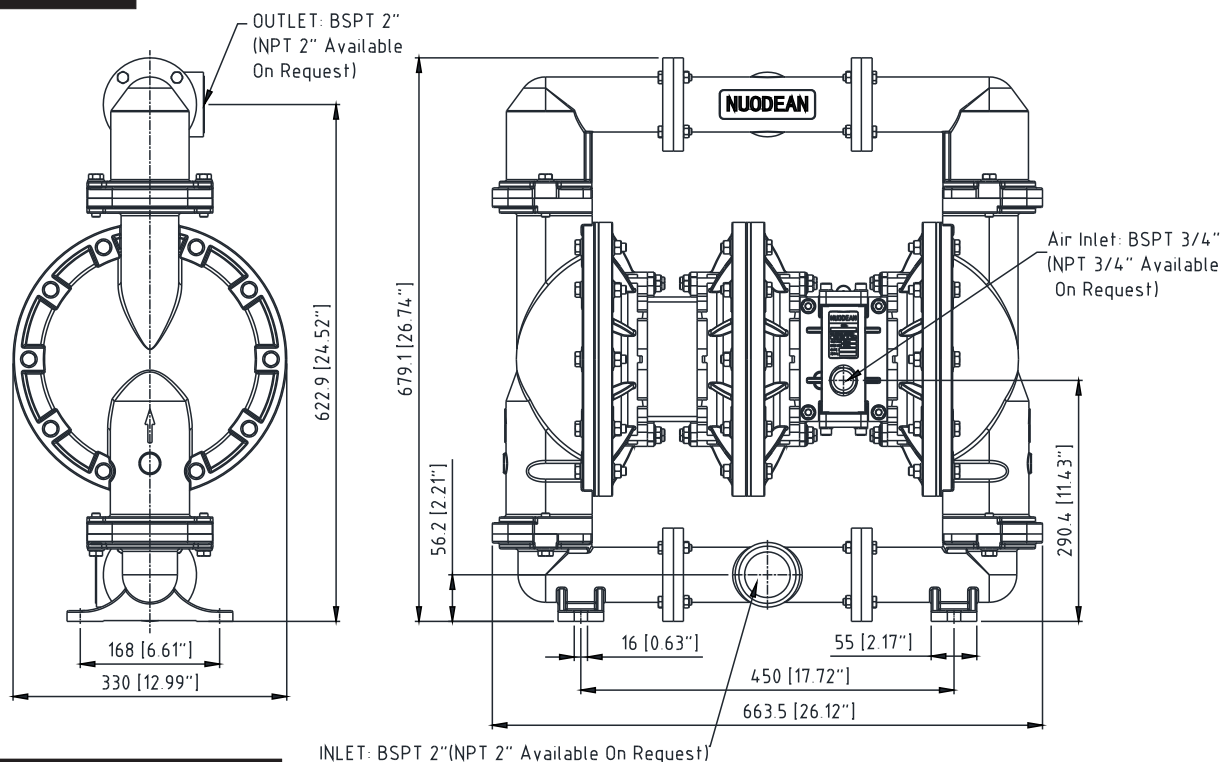
◆MODEL DESCRIPTIONS:

Model	DP12	-	50	B	I	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

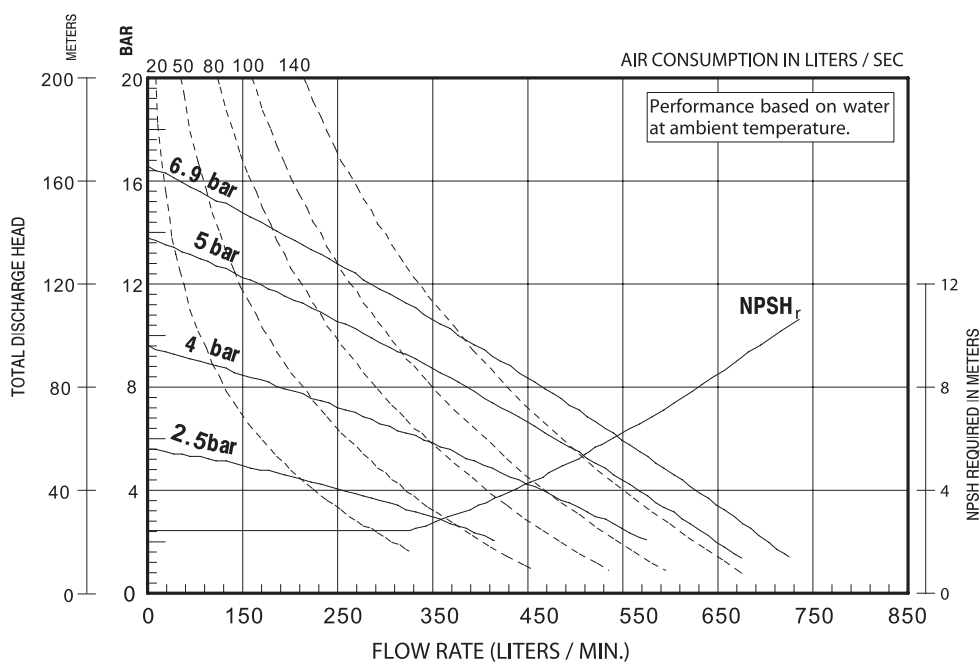
Pump Size	50-2"			
Check Valve Type	B-Ball			
Wetted Parts	A-Aluminum	I-Ductile Iron	S-Stainless Steel	H-Alloy C
Diaphragm Material	1-Neoprene	2-Nitrile	3-Viton	4-PTFE/Santoprene
	5-EPDM	6-Composite PTFE	7-Santoprene	8-Hytrel
Check Valve Ball	1-Neoprene	2-Nitrile	3-Viton	4-PTFE
	5-EPDM	6-Acetal	7-Polyurethane	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:

DP12-50B I ☒ ☒ XAXX

Fluid Section Service Kit:

SERVE350F- ☒ ☒

Diaphragm Material

Ball Material

EXAMPLE:

If pump model: DP12-50B I 74 XAXX,
so fluid section service kit is:
SERVE350F-74

Air Section Service Kit:

SERVE350A