

**2" STAINLESS STEEL AIR OPERATED DOUBLE DIAPHRAGM PUMP**

Rev.A

Model: DP11-50BSXXXXXX

**◆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:** 171GPM(647LPM)

**Max. Operating Pressure:** 120psi(8.3bar)

**Fluid Pressure Range:** 20-120psi(1.4-8.3bar)

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

**Maximum Dry Suction Lift:** 27.2feet(8.3m)

**Weight:** 139 lbs(63kg)

**Sound Level:** 70PSI 50 Cycles/Min 85.3db(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.

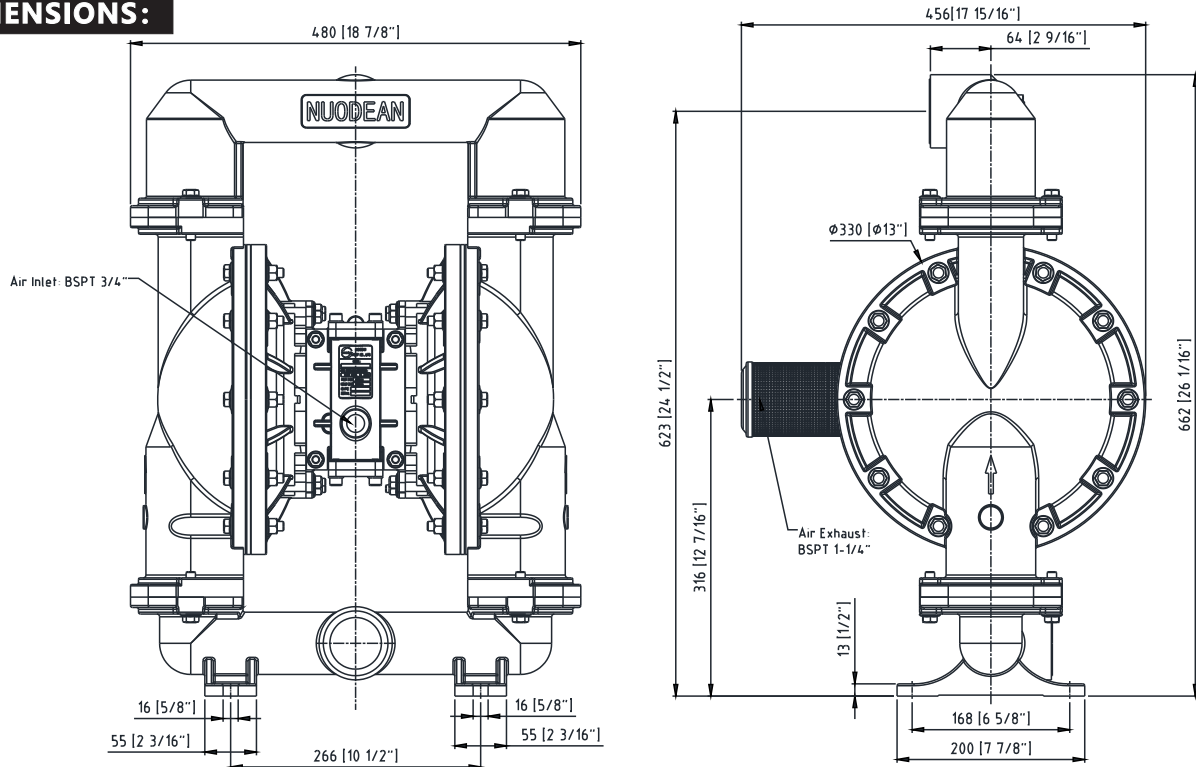
**◆MODEL DESCRIPTIONS:**

| Model | DP11           | - | 50        | B                | S            | 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 |

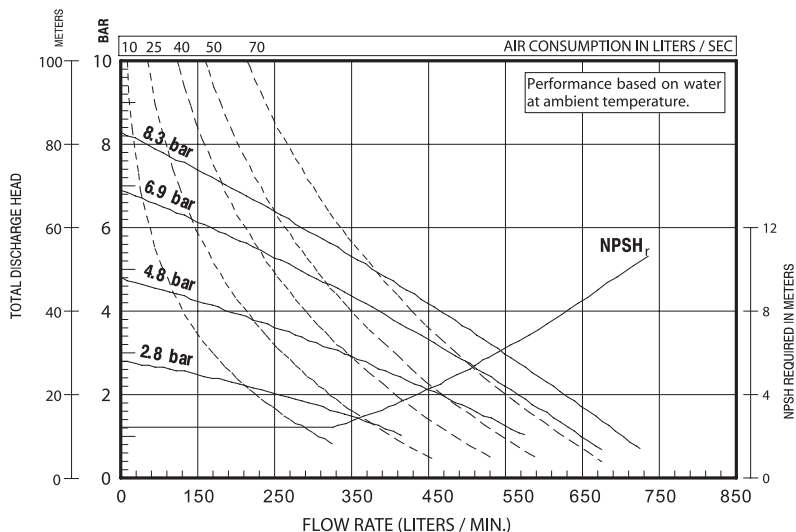
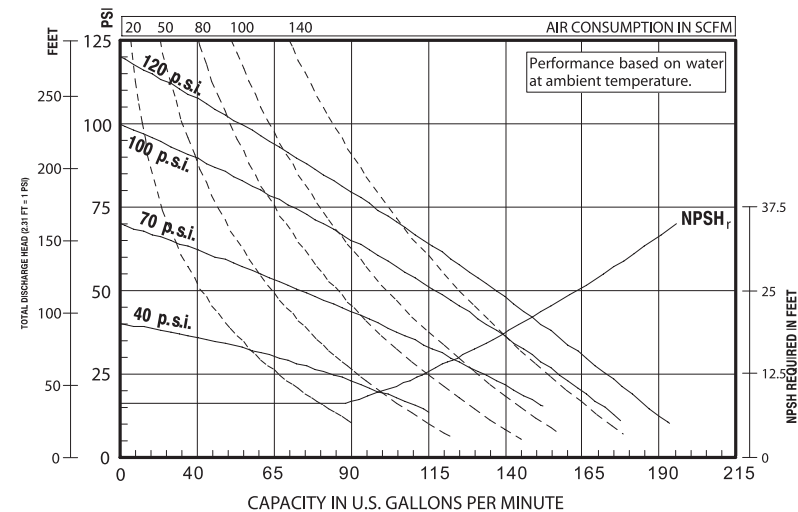
|                    |                           |                       |                            |                    |
|--------------------|---------------------------|-----------------------|----------------------------|--------------------|
| Pump Size          | 50-2"                     |                       |                            |                    |
| 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:

DP11-50BA ☒ ☒ XAXX

Fluid Section Service Kit:

SERVE250F-☒ ☒

Diaphragm Material

Ball Material

EXAMPLE:

If pump model: DP11-50BA74XAXX,  
so fluid section service kit is:  
SERVE250F-74

Air Section Service Kit:

SERVE250A