

# SALES & ENGINEERING DATA

RATIO SERIES: **1:1**

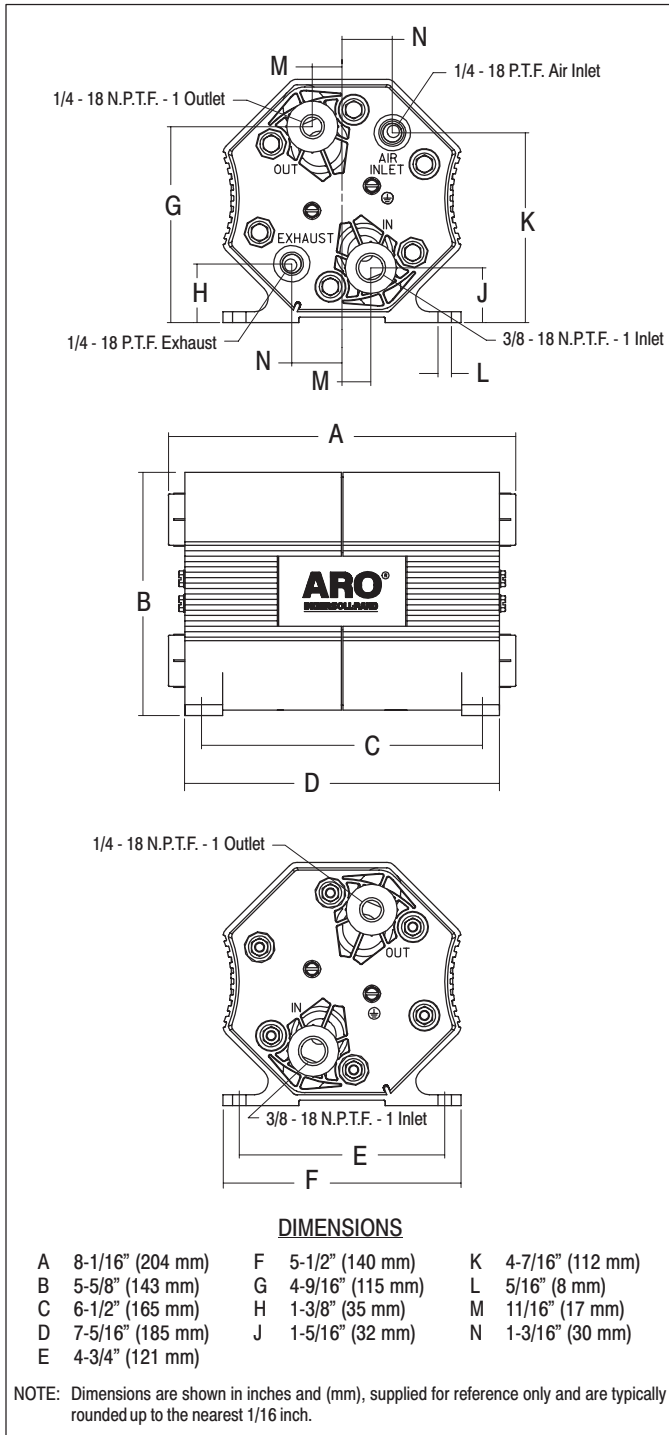
FLUID P.S.I. RANGE: **20 - 100**

## PD02P-XXS-XTX

### 1/4" NON-METALLIC DIAPHRAGM PUMP

RELEASED: 1-31-97  
 REVISED: 5-17-02  
 S-874

#### DIMENSIONAL DATA



#### SPECIFICATIONS

##### CONSTRUCTION

Model Series	PD02P-XXS-XTX
Pump Type	Non-Metallic, Air Operated, Double Diaphragm <sup>2</sup>
Ratio	1:1
Material Inlet (female)	3/8 - 18 N.P.T.F. - 1
Material Outlet (female)	1/4 - 18 N.P.T.F. - 1
Air Inlet (female)	1/4 - 18 P.T.F.
Air Exhaust (female)	1/4 - 18 P.T.F.
Weight	Polypropylene 4.08 lbs (1.85 kgs) Groundable Acetal 4.64 lbs (2.10 kgs) PVDF (Kynar) 4.9 lbs (2.22 kgs)
Air Valve Service Kit	637276
Fluid Section Service Kit	637313-XX
Pump Rebuild Service Kit	637314-XX

**PD02P-X**  **S-XT**   
**637313 -**    
 Diaphragm Material  
 Wet End Material  
 EXAMPLE: Model PD02P-APS-PTA  
 Fluid Section Service Kit is 637313-PA  
 Pump Rebuild Service Kit is 637314-PA

##### PERFORMANCE

Air Inlet Pressure Range	20 - 100 p.s.i. (1.4 - 6.9 bar)
Fluid Pressure Range	20 - 100 p.s.i. (1.4 - 6.9 bar)
Maximum Flow Rate (flooded inlet)	4.6 g.p.m. (17.4 l.p.m.)
Maximum Particle Size	clean fluid only
Maximum Temperature Limits	
Polypropylene	35° to 150° F (2° to 66° C)
Groundable Acetal	10° to 180° F (-12° to 82° C)
PVDF (Kynar)	10° to 200° F (-12° to 93° C)
Displacement / Cycle @ 100 p.s.i.	0.014 gal. (53 cc's)
Noise Level @ 70 p.s.i. - 60 c.p.m.	59.8 db(A) <sup>1</sup>

##### Notes:

- ① The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (L<sub>Aeq</sub>) to meet the intent of ANSI S1. 13-1971, CAGI-PNEUROPS S5.1 using four microphone locations.
- ② PD02P-XDS-DTX models are constructed of a groundable acetal. The material's conductivity allows it to be connected to a suitable ground.

##### ACCESSORIES:

- 66073-1 Air Line Kit
- 66885-1 Grounding Kit



# PERFORMANCE CURVES

## PD02P-XXS-XTX 1/4" NON-METALLIC DIAPHRAGM PUMP

