

# SALES & ENGINEERING DATA

RATIO SERIES: **1:1**

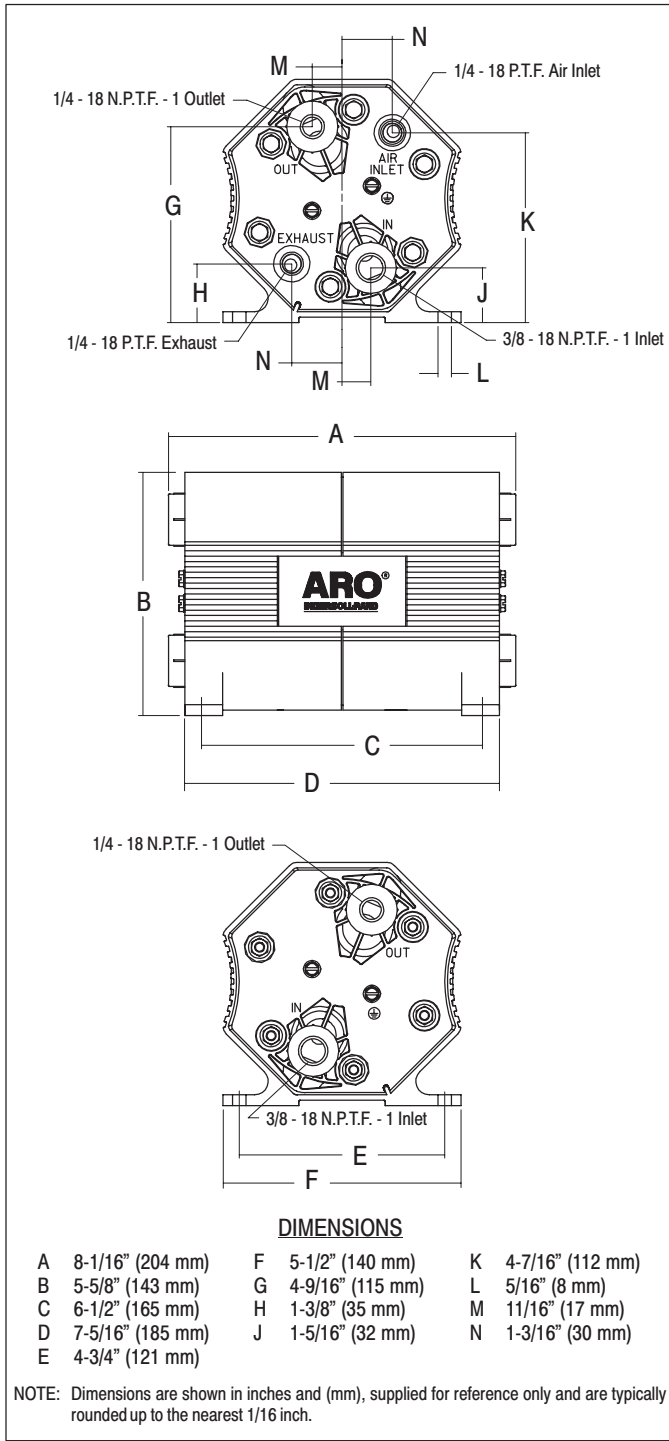
FLUID P.S.I. RANGE: **20 - 100**

## PD02P-XXS-XTX

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

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

#### DIMENSIONAL DATA



#### SPECIFICATIONS

##### CONSTRUCTION

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

<b>Air Inlet Pressure Range</b> .....	20 - 100 p.s.i. (1.4 - 6.9 bar)
<b>Fluid Pressure Range</b> .....	20 - 100 p.s.i. (1.4 - 6.9 bar)
<b>Maximum Flow Rate (flooded inlet)</b> . . . . .	4.6 g.p.m. (17.4 l.p.m.)
<b>Maximum Particle Size</b> .....	clean fluid only
<b>Maximum Temperature Limits</b>	
	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)
<b>Displacement / Cycle @ 100 p.s.i.</b> . . . . .	0.014 gal. (53 cc's)
<b>Noise Level @ 70 p.s.i. - 60 c.p.m.</b> . . . . .	59.8 db(A) <sup>1</sup>

Notes:  
<sup>1</sup> 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.  
<sup>2</sup> 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

