

# OPERATOR'S MANUAL

INCLUDING: OPERATION, INSTALLATION & MAINTENANCE

## 1" DIAPHRAGM PUMP 1:1 RATIO (NON-METALLIC)



**READ THIS MANUAL CAREFULLY BEFORE INSTALLING,  
OPERATING OR SERVICING THIS EQUIPMENT.**

It is the responsibility of the employer to place this information in the hands of the operator. Keep for future reference.

### SERVICE KITS

Refer to Model Description Chart to match the pump material options.  
 637397 for air section repair (see page 6).  
 637396-XX for fluid section repair (see page 4). NOTE: This kit also contains several air motor seals which will need to be replaced.  
 637395-X major air valve assembly (see page 7).

### PUMP DATA

Models .....	see Model Description Chart for "XXX".
Pump Type .....	Non-Metallic Air Operated Double Diaphragm
Material .....	see Model Description Chart.
Weight .....	PX10P-FKS-XXX ..... 27.15 lbs (12.32 kgs) PX10P-FPS-XXX ..... 19.87 lbs (9.01 kgs) PX10P-YKS-XXX ..... 26.72 lbs (12.12 kgs) PX10P-YPS-XXX ..... 19.59 lbs (8.89 kgs) PX10P-AKS-XXX, -BKS .. 25.83 lbs (11.72 kgs) PX10P-APS-XXX, -BPS .. 19.35 lbs (8.78 kgs)
Maximum Air Inlet Pressure .....	120 p.s.i.g. (8.3 bar)
Maximum Material Inlet Pressure .....	10 p.s.i.g. (0.69 bar)
Maximum Outlet Pressure .....	120 p.s.i.g. (8.3 bar)
Maximum Flow Rate (flooded inlet) .....	53.0 g.p.m. (200.6 l.p.m.)
Displacement / Cycle @ 100 p.s.i.g. ....	0.226 gal. (0.86 lit.)
Maximum Particle Size .....	1/8" dia. (3.2 mm)
Maximum Temperature Limits (diaphragm / ball / seal material)	
E.P.R. / EPDM .....	-60° to 280° F (-51° to 138° C)
Hytrel® .....	-20° to 150° F (-29° to 66° C)
Nitrile .....	10° to 180° F (-12° to 82° C)
Polypropylene .....	35° to 150° F (2° to 66° C)
PVDF (Kynar®) .....	10° to 200° F (-12° to 93° C)
Santoprene® .....	-40° to 225° F (-40° to 107° C)
T.F.E. (Teflon®) .....	40° to 225° F (4° to 107° C)
Viton® .....	-40° to 350° F (-40° to 177° C)
Dimensional Data .....	see page 8
Mounting Dimension .....	5.032" x 10.050" (127.8 mm x 255.3 mm)
Noise Level @ 70 p.s.i., 60 c.p.m. ....	79.7 db(A)①

① The pump sound pressure levels published here have been updated to an Equivalent Continuous Sound Level ( $L_{Aeq}$ ) to meet the intent of ANSI S1.13-1971, CAGI-PNEUROP S5.1 using four microphone locations.

**NOTICE:** All possible options are shown in the chart, however, certain combinations may not be recommended, consult a representative or the factory if you have questions concerning availability.

**PD10P-X**

**PE10P-X**

RELEASED: 11-10-03  
 REVISED: 6-5-06  
 (REV. 08)

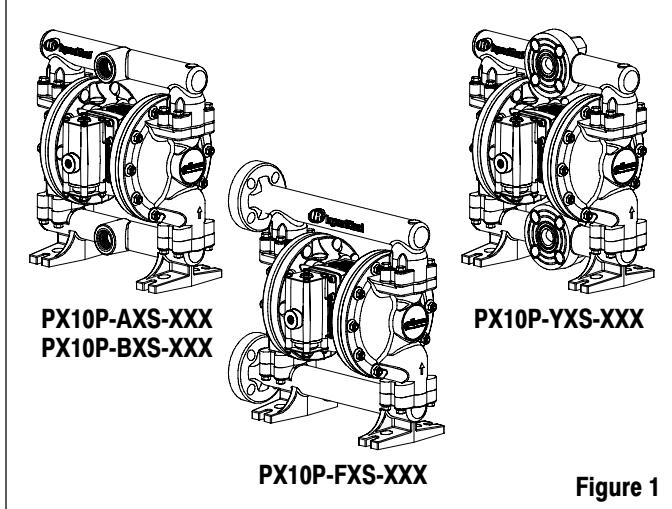


Figure 1

### MODEL DESCRIPTION CHART

