

# SALES & ENGINEERING DATA

## PD20P-FXS-XXX and PE20P-FXS-XXX 2" NON-METALLIC DIAPHRAGM PUMP

RATIO  
SERIES: **1:1**

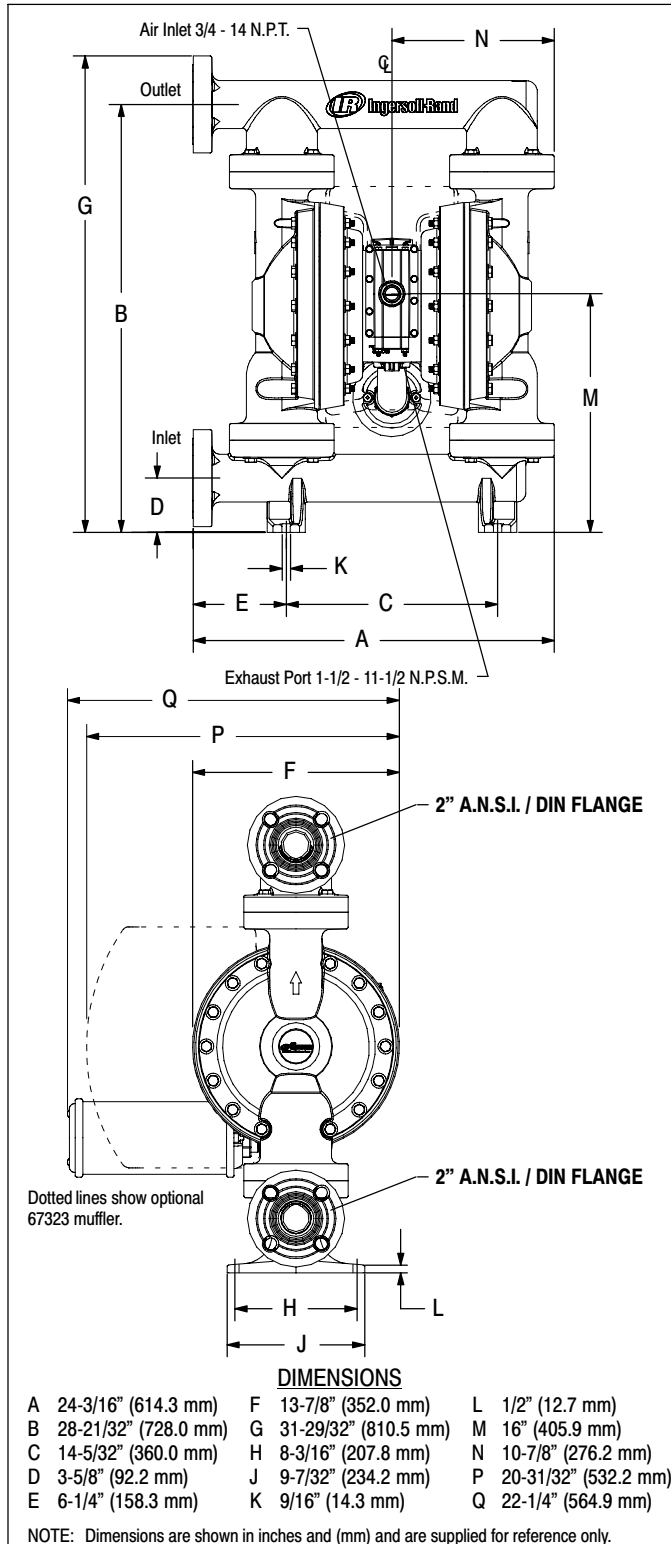
FLUID P.S.I.  
RANGE: **10 - 120**

RELEASED: 12-16-02

REVISED: 9-16-11

(REV. 07) S-1262

### DIMENSIONAL DATA



### SPECIFICATIONS

#### CONSTRUCTION

|                           |                                                                         |
|---------------------------|-------------------------------------------------------------------------|
| Model Series              | PD20P-FXS-XXX<br>PE20P-FXS-XXX                                          |
| Pump Type                 | Non-Metallic, Air Operated,<br>Double Diaphragm                         |
| Ratio                     | 1:1                                                                     |
| Material Inlet / Outlet   | 2" A.N.S.I. / DIN Flange                                                |
| Air Inlet (female)        | 3/4 - 14 N.P.T.                                                         |
| Air Exhaust (female)      | 1-1/2 - 11-1/2 N.P.S.M.                                                 |
| Weight                    | PX20P-FXS-XXX 110.9 lbs (50.3 kgs)<br>PX20P-FPS-XXX 85.3 lbs (38.7 kgs) |
| Air Section Service Kit   | 637369                                                                  |
| Fluid Section Service Kit | 637373-XX                                                               |

PX20P-FXS-X X X  
637373 - X X

Diaphragm Material  
Ball Material

EXAMPLE: Model # PD20P-FKS-KAA  
Fluid Section Service Kit is 637373-AA

#### PERFORMANCE

|                                                               |                                 |
|---------------------------------------------------------------|---------------------------------|
| Air Inlet Pressure Range                                      | 20 - 120 p.s.i. (1.4 - 8.3 bar) |
| Maximum Material Inlet Pressure                               | 10 p.s.i. (0.69 bar)            |
| Fluid Pressure Range                                          | 20 - 120 p.s.i. (1.4 - 8.3 bar) |
| Maximum Flow Rate (flooded inlet)                             | 184 g.p.m. (696 l.p.m.)         |
| Displacement / Cycle @ 100 p.s.i.                             | 1.4 gal. (5.3 lit.)             |
| Maximum Particle Size                                         | 1/4" dia. (6.4 mm)              |
| Maximum Temperature Limits (diaphragm / ball / seal material) |                                 |
| E.P.R. / EPDM                                                 | -60° to 280° F (-51° to 138° C) |
| Hytrell                                                       | -20° to 150° F (-29° to 66° C)  |
| Nitrile                                                       | 10° to 180° F (-12° to 82° C)   |
| Polypropylene                                                 | 35° to 175° F (2° to 79° C)     |
| Kynar PVDF                                                    | 10° to 200° F (-12° to 93° C)   |
| Santoprene                                                    | -40° to 225° F (-40° to 107° C) |
| PTFE                                                          | 40° to 225° F (4° to 107° C)    |
| Viton                                                         | -40° to 350° F (-40° to 170° C) |
| Noise Level @ 70 p.s.i. - 60 c.p.m.                           | 85.0 db(A)①                     |

① The pump sound pressure level has 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.

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ARO

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# PERFORMANCE CURVES

## PX20P-FXS-XXX 2" NON-METALLIC DIAPHRAGM PUMP

