

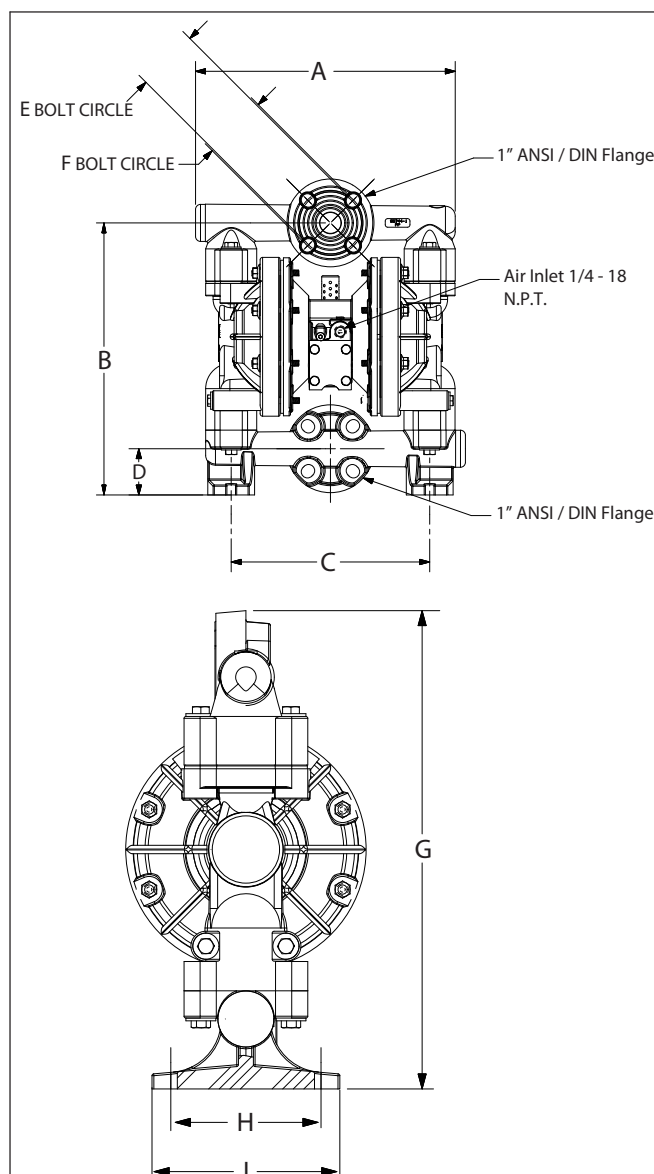
# SALES & ENGINEERING DATA

## 6661AX-XXX-C THRU 6661BX-XXX-C 1" NON-METALLIC DIAPHRAGM PUMP

|                        |                 |
|------------------------|-----------------|
| RATIO<br>SERIES:       | <b>1:1</b>      |
| FLUID P.S.I.<br>RANGE: | <b>20 - 120</b> |

RELEASED: 1-31-97  
REVISED: 9-23-15  
REV: F S-873

### DIMENSIONAL DATA



#### DIMENSIONS

|                      |                                    |
|----------------------|------------------------------------|
| A 13-3/16" (334 mm)  | E 3-2/16" to 3-5/16" (80 to 83 mm) |
| B 13-13/16" (351 mm) | F 8-1/16" (204 mm)                 |
| C 10-1/16" (255 mm)  | G 16" (406 mm)                     |
| D 2-3/8" (60 mm)     | H 16" (406 mm)                     |
|                      | J 6-5/16" (160 mm)                 |

NOTE: Dimensions are shown in inches and (mm), supplied for reference only and are typically rounded up to the nearest 1/16 inch.

FLANGES ARE SLOTTED FOR USE WITH EITHER 1" ANSI OR 1" DIN FLANGES

### SPECIFICATIONS

#### CONSTRUCTION

|                              |                                                                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Model Series                 | 6661AX-XXX-C thru 6661BX-XXX-C                                                                                                               |
| Pump Type                    | Non-Metallic, Air Operated,<br>Double Diaphragm                                                                                              |
| Ratio                        | 1:1                                                                                                                                          |
| Material Inlet / Outlet      | 1" Flange, ANSI Class 150/DIN                                                                                                                |
| Air Inlet (female)           | 1/4 - 18 N.P.T.                                                                                                                              |
| Air Exhaust (female)         | 3/8 - 18 N.P.T.F. - 1                                                                                                                        |
| Weight                       | 6661A3-3XX-C 20.25 lbs (9.2 kgs)<br>6661A4-4XX-C 28.5 lbs (12.9 kgs)<br>6661B3-3XX-C 28.8 lbs (13.06 kgs)<br>6661B4-4XX-C 37 lbs (16.78 kgs) |
| Air Section Service Kit      | 637118-C                                                                                                                                     |
| Fluid Section Service Kit    | 637161-XX-C                                                                                                                                  |
| Composite PTFE Diaphragm Kit | 48495964                                                                                                                                     |

6661AX - X X X - C

637161 - X X - C

Diaphragm Material  
Ball Material

EXAMPLE: Model 6661A3-311-C  
Fluid Section Service Kit is 637161-11-C

#### PERFORMANCE

|                                                  |                               |
|--------------------------------------------------|-------------------------------|
| Air Inlet Pressure Range                         | 20 - 120 p.s.i. (1 - 8.3 bar) |
| Maximum Material Inlet Pressure                  | 10 p.s.i. (0.69 bar)          |
| Fluid Pressure Range                             | 20 - 120 p.s.i. (1 - 8.3 bar) |
| Maximum Flow Rate (flooded inlet)                | 47 g.p.m. (178 l.p.m.)        |
| Maximum Particle Size                            | 1/8" dia. (3.2 mm)            |
| Maximum Temperature Limits                       |                               |
| Polypropylene                                    | 35° to 175° F (-2° to 79° C)  |
| Kynar (PVDF)                                     | 10° to 200° F (-12° to 93° C) |
| Composite PTFE                                   | 14° to 194° F (-10° to 90° C) |
| Displacement / Cycle @ 100 p.s.i.                | 0.17 gal. (.64 lit.)          |
| Noise Level @ 70 p.s.i. - 60 c.p.m. <sup>①</sup> | 64.5 dB(A) <sup>②</sup>       |

① Tested with muffler installed.

② 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-PNEUROP S5.1 using four microphone locations.

#### ACCESSORIES:

65010 Neoprene "O" Ring Air Motor Kit  
65764 Viton "O" Ring Air Motor Kit  
66073-1 Air Line Kit  
67078 Flange Kit

# PERFORMANCE CURVES

## 6661XX-XXX-C 1" NON-METALLIC DIAPHRAGM PUMP

