# SALES & ENGINEERING DATA

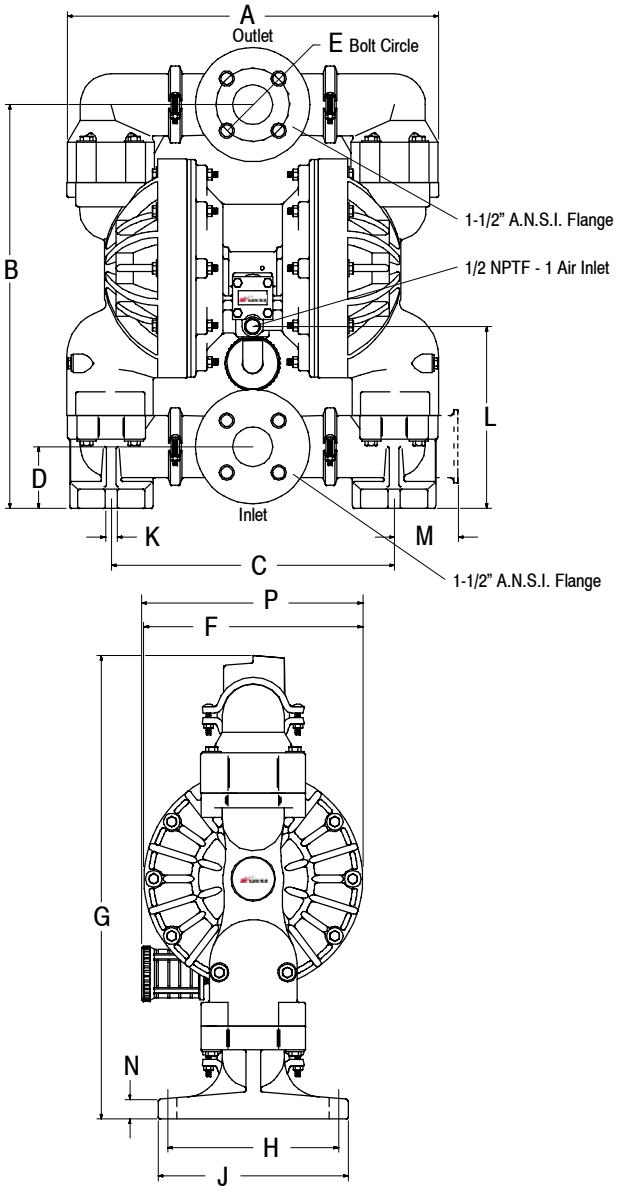
| | |
|---|---|
| RATIO SERIES: | 1:1 |
| FLUID P.S.I. RANGE: | 20 - 120 |

## 6661T3-XXX-C THRU 6661U4-XXX-C

## 1-1/2" NON-METALLIC DIAPHRAGM PUMP

RELEASED: 1-10-97
REVISED: 12-12-12
(REV. E) S-876

## DIMENSIONAL DATA




DIMENSIONS

| | | | | | |
|---|---|---|---|---|---|
| A | 19-1/2" (495) | F | 11-1/2" (292) | L | 9-5/8" (244) |
| B | 21-5/16" (541) | G | 24-1/2" (622) | M | 3-3/8" (86) |
| C | 14-15/16" (379) | H | 9" (229) | N | 1-1/16" (27) |
| D | 3-1/4" (83) | J | 10-1/16" (256) | P | 11-11/16" (297) |
| E | 3-7/8" (98) | K | 5/8" (16) | | |

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

## SPECIFICATIONS

### CONSTRUCTION

| | |
|---|---|
| **Model Series** | 6661T3-XXX-C thru 6661U4-XXX-C |
| **Pump Type** | Non-Metallic, Air Operated, Double Diaphragm |
| **Ratio** | 1:1 |
| **Material Inlet / Outlet** | 1-1/2" A.N.S.I. Class 150 Flange |
| **Air Inlet** (female) | 1/2 - 14 N.P.T.F. - 1 |
| **Air Exhaust** (female) | 3/4 - 14 N.P.T.F. - 1 |
| **Weight** . 6661T3-XXX-C | 62 lbs (28.1 kgs) |
| 6661T4-XXX-C | 92 lbs (41.7 kgs) |
| 6661U3-XXX-C | 85 lbs (38.6 kgs) |
| 6661U4-XXX-C | 115 lbs (52.2 kgs) |
| **Air Section Service Kit** | 637118-C |
| **Fluid Section Service Kit** | 637165-XX |
| **Composite PTFE Dipahragm Kit** | 48496806 |

**6661T3 - X [X][X] -C**
**637165 - [X][X]**
└ Diaphragm Material
└ Ball Material

EXAMPLE: Model 6661T3-344-C
Fluid Section Service Kit is 637165-44

### PERFORMANCE

| | |
|---|---|
| **Air Inlet Pressure Range** | 20 - 120 p.s.i. (1 - 8.3 bar) |
| **Fluid Pressure Range** | 20 - 120 p.s.i. (1 - 8.3 bar) |
| **Maximum Flow Rate** (flooded inlet) | 100 g.p.m. (378.5 l.p.m.) |
| **Maximum Particle Size** | 1/4" dia. (6.4 mm) |
| **Maximum Temperature Limits (diaphragm / ball / seal material)** | |
| E.P.R. | -60° to 280° F (-51° to 138° C) |
| Hytrel | -20° to 150° F (-29° to 66° C) |
| Neoprene | 0° to 200° F (-18° to 93° C) |
| Nitrile | 10° to 180° F (-12° to 82° C) |
| Polypropylene | 35° to 175° F (2° to 79° C) |
| Polyurethane | 10° to 150° F (-12° to 66° C) |
| PVDF (Kynar) | 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) |
| Composite PTFE | 14° to 194° F (-10° to 90° C) |
| Viton | -40° to 350° F (-40° to 177° C) |
| **Displacement / Cycle** @ 100 p.s.i. | |
| Standard Diaphragm | 0.67 gal. (2.54 lit.) |
| Composite PTFE Diaphragm | 0.43 gal. (1.63 lit.) |
| **Noise Level** @ 70 p.s.i. - 60 c.p.m.① | 77.7 db(A)② |

Notes:
① Tested with 93139 muffler installed.
② 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.

**ACCESSORIES:**
65010 Neoprene "O" Ring Air Motor Kit
65764 Viton "O" Ring Air Motor Kit
66084-1 Air Line Connection Kit


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## PERFORMANCE CURVES

### 6661XX-XXX-C 1-1/2" NON-METALLIC DIAPHRAGM PUMP

