

# 1-1/2" Metallic Models

## PRO SERIES PUMPS

ARO® PRO 1-1/2" metallic diaphragm pumps achieve flow rates of up to 90 GPM (340.7 L/min) and offer a wide array of material and porting configurations. These pumps are often used for transfer, filling, recirculation and batching in Paint, Oil & Gas, Mining, Construction, Chemical and Petrochemical markets.

|                                    |   |             |
|------------------------------------|---|-------------|
| Ratio:                             | 1:1   |             |
| Maximum Flow gpm (L/min):          | 90 (340.7)  |             |
| Displacement per cycle gal (l):    | .64 (2.42)  |             |
| Air Inlet (Female):                | 1/2 - 14 NPTF - 1   |             |
| Fluid Inlet/Outlet:                | 1-1/2 11-1/2 NPTF - 1<br>Rp 1-1/2 (1-1/2 - 11 BSP parallel) |             |
| Max. operating pressure psi (bar): | 120 (8.3)   |             |
| Suspended solids max. dia in (mm): | .25 (6.4)   |             |
| Weight lbs (kg):                   | 666150-X-C (aluminum)                                       | 51.5 (23.4) |
|                                    | 666151-X-C (stainless steel)                                | 77.5 (35.2) |
|                                    | 666152-X-C (cast iron)                                      | 79.5 (36.1) |
|                                    | Note: Add 23 (10.4) for cast iron air motor section         |             |
| Maximum dry suction lift ft (m):   | 19 (5.8)  |             |
| Sound Level:                       | 70 PSI (4.8 bar) 60 Cycles/Min 80.5 db(A)                   |             |



### Ordering

| Position | 1     | 2 |   | 3 | 4 | 5 |   | 6 |
|----------|-------|---|---|---|---|---|---|---|
| Example: | 6661X | X | - | X | X | X | - | C |

| Position 1<br>Center Body  | Position 2<br>Fluid Caps Manifold Material  | Position 3<br>Seat Material  | Position 4<br>Ball Check Material   | Position 5<br>Diaphragm Material  |
|--|---|--|---|---|
| 5 - Aluminum, NPTF<br>6 - Cast Iron, NPTF<br>7 - Aluminum, BSP<br>8 - Cast Iron, BSP | 0 - Aluminum (steel hardware)<br>1 - Stainless Steel (steel hardware)<br>2 - Cast Iron (steel hardware)<br>A - Aluminum, (stainless hardware)<br>B - Stainless Steel (stainless hardware)<br>C - Cast Iron (stainless hardware) | 1 - Aluminum<br>2 - 316 Stainless Steel<br>3 - Polypropylene<br>4 - PVDF (Kynar)<br>5 - Carbon Steel<br>8 - Hard 400 Stainless Steel | 1 - Neoprene<br>2 - Nitrile<br>3 - Viton<br>4 - PTFE<br>6 - Acetal<br>8 - Polyurethane<br>A - Stainless Steel<br>C - Hytrel<br>E - Santoprene | 1 - Neoprene<br>2 - Nitrile<br>3 - Viton<br>4 - PTFE / Santoprene<br>6 - Composite PTFE<br>9 - Hytrel<br>B - Santoprene |

### Accessories

**Air Line Connection Kit\*** | 66084-1 (Piggyback Filter/Regulator with gauge, pipe nipple and 5-foot air hose)

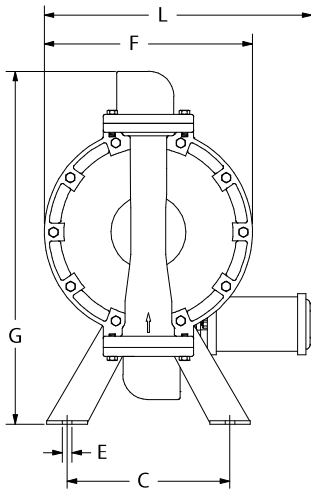
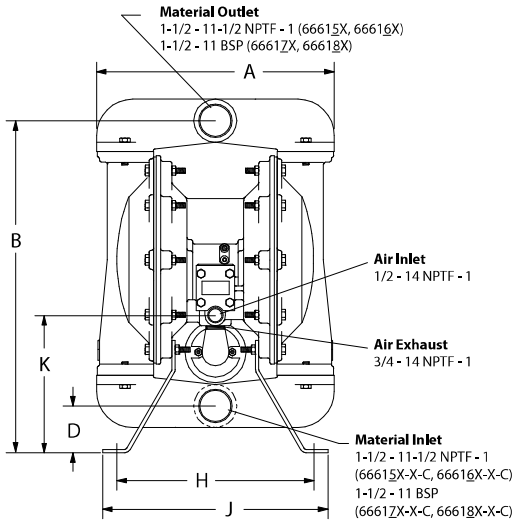
**Cycle Counter Kit** | 66975

**Service Repair Kits** | 637118-C (air section)  
637124-XX (fluid section)

**Wall Mount** | 62133

# 1-1/2" Metallic Dimensions and Flow Charts

## 6661X0, 1X2, 1XA, & 1XC

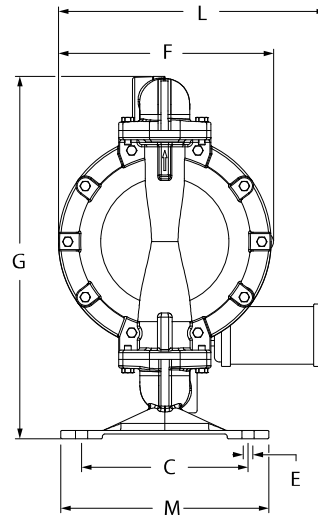
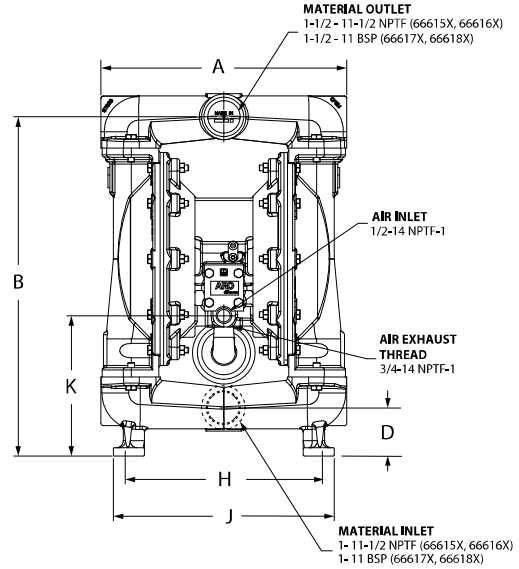


### DIMENSIONS

- |                      |                      |                        |
|----------------------|----------------------|------------------------|
| A - 13-1/8" (333 mm) | E - 1/2" (14 mm)     | J - 12" (305 mm)       |
| B - 18-3/8" (467 mm) | F - 11-1/2" (292 mm) | K - 7-5/8" (194 mm)    |
| C - 9" (229 mm)      | G - 19-5/8" (498 mm) | L - 14-13/16" (376 mm) |
| D - 2-3/4" (70 mm)   | H - 10-3/4" (273 mm) |                        |

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

## 6661X1 & 1XB



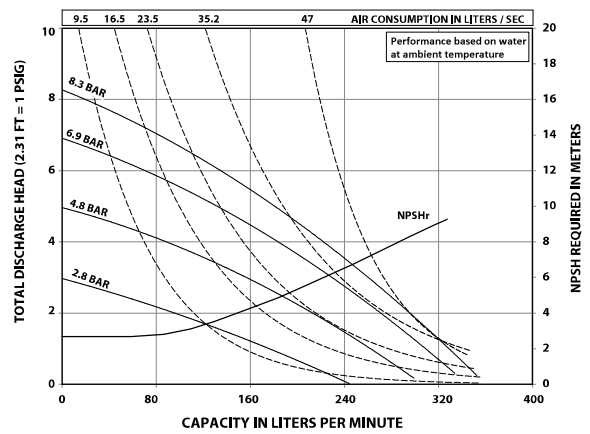
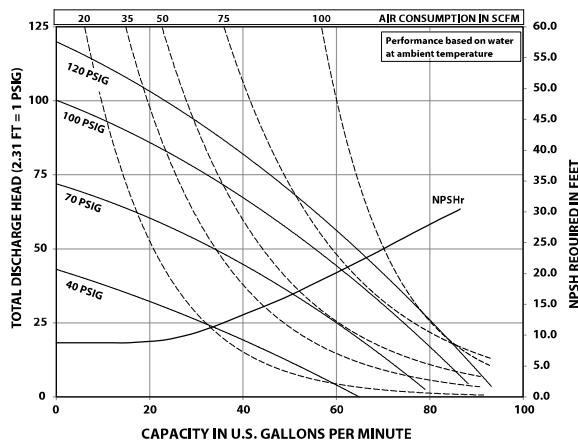
### DIMENSIONS

- |                       |                      |                      |
|-----------------------|----------------------|----------------------|
| A - 13-5/16" (337 mm) | E - 17/32" (13.5 mm) | J - 12" (305 mm)     |
| B - 18-3/8" (467 mm)  | F - 11-1/2" (292 mm) | K - 7-5/8" (194 mm)  |
| C - 9" (229 mm)       | G - 19-5/8" (498 mm) | L - 14-1/2" (368 mm) |
| D - 2-3/4" (70 mm)    | H - 10-3/4" (273 mm) | M - 11-1/4" (286 mm) |

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

## PERFORMANCE CURVES

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



Refer to [www.AROzone.com](http://www.AROzone.com) for full size flow curves. For additional information contact technical support at 1.800.495.0276