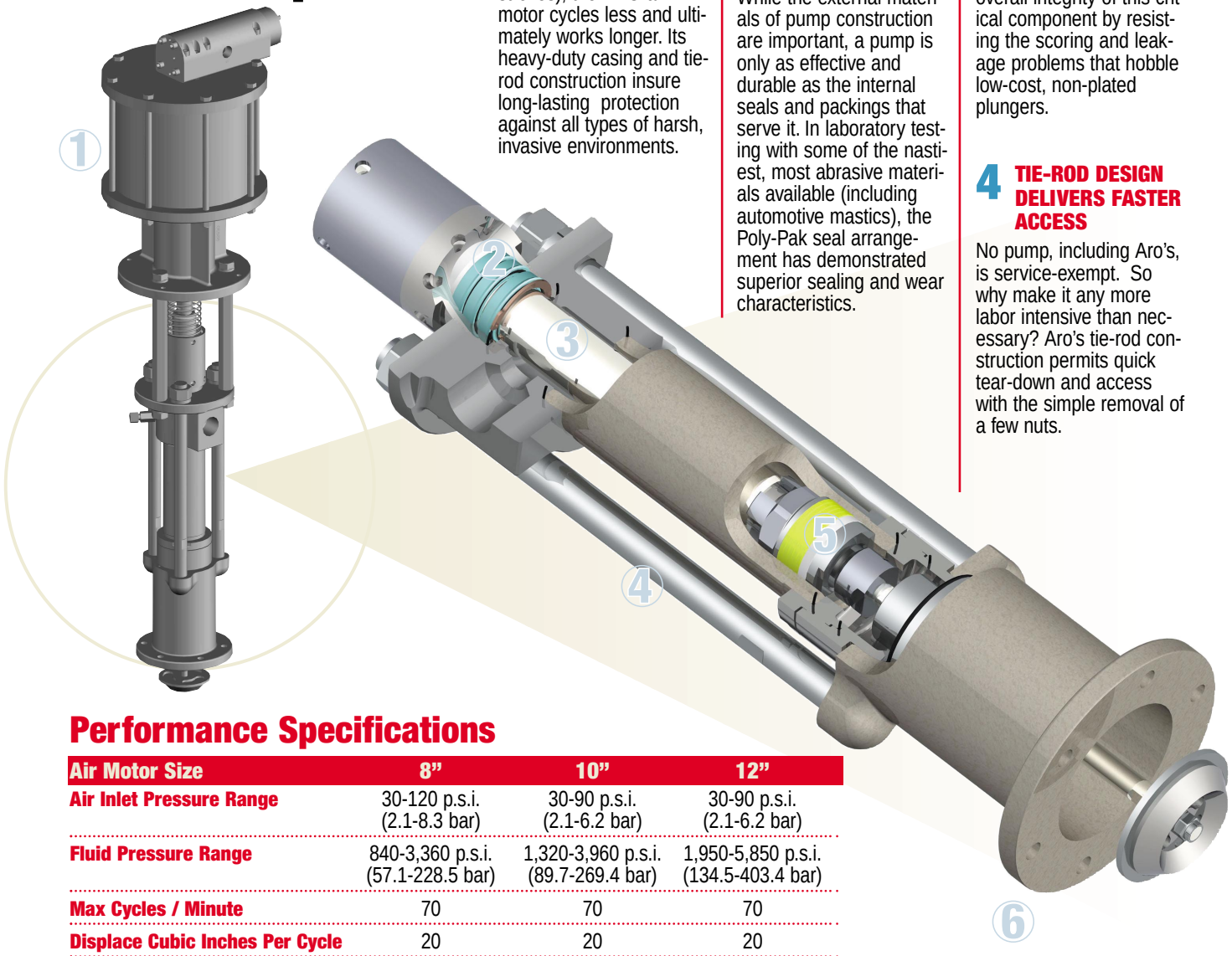
# The Problem:

**Moving heavy, high-viscosity materials to remote dispensing points without sacrificing critical delivery pressures and volumes.**

# The Solution:

## The New ARO® High-Pressure Piston Pumps




### 1 ARO AIR MOTOR RELIABILITY

Aro's High- Pressure Pumps start with the best air motor technology in fluid handling. Featuring a longer 6-inch working stroke (as compared to traditional 4-1/2 - inch strokes), the ARO air motor cycles less and ultimately works longer. Its heavy-duty casing and tie-rod construction insure long-lasting protection against all types of harsh, invasive environments.

## The Real Difference Is Down Below:

### 2 Poly-Pak® SEALS FOR IMPROVED ENDURANCE

While the external materials of pump construction are important, a pump is only as effective and durable as the internal seals and packings that serve it. In laboratory testing with some of the nastiest, most abrasive materials available (including automotive mastics), the Poly-Pak seal arrangement has demonstrated superior sealing and wear characteristics.

### 3 ABRASION-RESISTANT HARD CHROME-PLATED PLUNGER

The ARO high-pressure pump answers the issue of abrasion with hard-chrome plungers. Hard-chrome plating insures the overall integrity of this critical component by resisting the scoring and leakage problems that hobble low-cost, non-plated plungers.

### 4 TIE-ROD DESIGN DELIVERS FASTER ACCESS

No pump, including Aro's, is service-exempt. So why make it any more labor intensive than necessary? Aro's tie-rod construction permits quick tear-down and access with the simple removal of a few nuts.

## Performance Specifications

| Air Motor Size | 8" | 10" | 12" |
|---|---|---|---|
| Air Inlet Pressure Range | 30-120 p.s.i. (2.1-8.3 bar) | 30-90 p.s.i. (2.1-6.2 bar) | 30-90 p.s.i. (2.1-6.2 bar) |
| Fluid Pressure Range | 840-3,360 p.s.i. (57.1-228.5 bar) | 1,320-3,960 p.s.i. (89.7-269.4 bar) | 1,950-5,850 p.s.i. (134.5-403.4 bar) |
| Max Cycles / Minute | 70 | 70 | 70 |
| Displace Cubic Inches Per Cycle | 20 | 20 | 20 |
| Volume / Cycle | 11.08 oz. (661.8 ml) | 11.08 oz. (661.8 ml) | 11.08 oz. (327.6 ml) |
| Flow @ 70 Cycles/Min. | 6.06 gpm (46.3 lpm) | 6.06 gpm (46.3 lpm) | 6.06 gpm (22.94 lpm) |
| Noise Level @60 psi-40 cpm | 89.8 db (A)* | 89.8 db (A)* | 89.8 db (A)* |

* The pump sound pressure level has been updated to an Equivalent Continuous Sound Level (Laeq) to meet the intent of ANSI S1. 13-1971, CAGI PNEUROP S5.1 using four microphone locations.

## 5 UHMW-PE PACKINGS; THE ULTIMATE IN COMPATIBILITY

Aro's high-pressure pumps utilize ultra-high molecular weight polyethylene packings for enhanced compatibility with proven durability. Originally developed to withstand the abrasive demands of inks, the UHMW-PE packing has since moved into a number of other markets and applications including assembly mastics, adhesives and more.

## 6 MATCHING FOOTPRINTS FOR EASY RETROFIT

The ARO High- Pressure pump's floor mounting pattern is identical to the standard ARO footprint, allowing you to take out the old and put in the new in short order.

## 7 BIG DELIVERY: 20 CUBIC INCHES-PER-CYCLE OUTPUT

Traditional high-pressure pumps often force a trade-off with volume capacity. In side-by-side data comparisons with the closest competitive models, the new ARO High- Pressure Pumps typically deliver as much as 3-5 cubic inches more material on each and every cycle.

# Ordering

| Order Model | Packings Upper | Packings Lower | Description |
|---|---|---|---|
| **Complete Pump Models** | | | |
| 650989-C4D | UHMW-PE (V-type) | UHMW-PE (V-type) | 12" Motor/65:1 Ratio |
| 650989-J3D | PolyPak® (Polymyte®) | UHMW-PE (V-type) | 12" Motor/65:1 Ratio |
| 650889-C4D | UHMW-PE (V-type) | UHMW-PE (V-type) | 10" Motor/44:1 Ratio |
| 650889-J3D | PolyPak® (Polymyte®) | UHMW-PE (V-type) | 10" Motor/44:1 Ratio |
| 650888-C4D | UHMW-PE (V-type) | UHMW-PE (V-type) | 8" Motor/28:1 Ratio |
| 650888-J3D | PolyPak® (Polymyte®) | UHMW-PE (V-type) | 8" Motor/28:1 Ratio |
| **Lower Ends Only** | | | |
| 67300-C4D | UHMW-PE (V-type) | UHMW-PE (V-type) | Lower Pump Assembly |
| 67300-J3D | PolyPak® (Polymyte®) | UHMW-PE (V-type) | Lower Pump Assembly |
| **Pump Repair Kits** | | | |
| 637348-C4D | UHMW-PE (V-type) | UHMW-PE (V-type) | Lower Pump Rep. Kit |
| 637348-J3D | PolyPak® (Polymyte®) | UHMW-PE (V-type) | Lower Pump Rep. Kit |

Polymyte® and PolyPak® are registered trademarks of Parker Company

# Accessories

| Order Model | Description |
|---|---|
| 651612-4 | Extra-Heavy Duty Two-Post Ram with Buna N Follower Plate provides 11 psi follower down force. |
| 66718 | Air Motor Muffler Assembly (10" and 12" air motors) |
| 92460 | Air Motor Muffler (8" air motor) |

Get in the ZONE

## Where's YOUR ARO High-Pressure Pump Zone?

- Assembly Mastics/Adhesives
- Inks/Sealants
- Caulkings
- RTV Silicones



650888-XXX 28:1 Ratio | 650889-XXX 44:1 Ratio | 650989-XXX 65:1 Ratio



651612-X Heavy-Duty Ram



66718 Muffler | 92460 Muffler