

AF0623 Series Pumps 23:1 Ratio, 6" Air Motor, 2-Ball Lower End



Spray



Transfer and Supply



Extrusion

Materials

Oils Paint Coatings Chemicals



2-Ball Lower End Style

- Excellent for low- to medium-viscosity materials up to 100,000 cPs.
- Fluid delivery up to 18.1 gpm (68.6 L/min)



(Model shown w/ball valve regulator)

Pump Specifications

| | |
|---|-------------------------|
| Ratio | 23:1 |
| Stroke (double acting) | 6" (15.24 cm) |
| Material Inlet | 1" NPT(F) 2" NPT(M) |
| Material Outlet | 1" NPT(F) |
| Air Inlet (female) | 1/2" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30 - 150 (2.1 - 10.3) |
| Fluid Pressure Range psi (bar) | 690 - 3495 (47.6 - 241) |
| Max Cycles/Minute | 60 |
| Displacement/Cycle cu in (cm ³) | 14.5 (237.6) |
| Cycles/gal (L) | 15.9 (4.2) |
| Flow @ 60 Cycles gpm (L/min) | 3.8 (14.3) |
| Noise Level @ 60 psi dBA | 84.7 |
| Weight* lb (kg) | 46.2 (21) |
| Container Suitability | Remote Mounting |

*Estimated weight. Contact Technical Support for exact weight.

| Pump Model** | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Pump Service Kit |
|--|--------------------------------------|--|-----------------------------|------------------|------------------|
| Lower Pump Material - 300 Series SS w/Tungsten Carbide Seat | | | | | |
| AF0623G11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 66300-C43 | 637305-C43 |
| AF0623G11KK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE | Glass Filled PTFE | 66300-343 | 637305-343 |
| AF0623G11KK48 | 17-4 Stainless Steel, Ceramic Coated | Glass Filled PTFE | Glass Filled PTFE | 66300-34B | 637305-343 |
| AF0623G11HH47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Leather (Staggered) | UHMW-PE/Leather (Staggered) | 66300-G43 | 637305-G43 |
| AF0623G11HH48 | 17-4 Stainless Steel, Ceramic Coated | UHMW-PE/Leather (Staggered) | UHMW-PE/Leather (Staggered) | 66300-G4B | 637305-G43 |
| AF0623G11GF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Glass Filled PTFE (Staggered) | UHMW-PE | 66300-P43 | 637305-P43 |
| AF0623G11RK48 | 17-4 Stainless Steel, Ceramic Coated | Glass Filled PTFE/ UHMW-PE (Staggered) | Glass Filled PTFE | 66300-R4B | 637305-R43 |
| AF0623G11RK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE/ UHMW-PE (Staggered) | Glass Filled PTFE | 66300-R43 | 637305-R43 |

**Add "-1" to Model No. for Ball Valve Regulator

RECOMMENDED ACCESSORIES



67445-2
Muffler Kit



66334-B
Wet-Sol Packing Lubricant



23644-400
ARO-Stop Valve



67136
Floor/Follower Plate Adapter



67442
Ball Valve Regulator



637489
Universal Air Motor Service Kit

DIMENSIONS

| | |
|------------------------|-----------------|
| A ¹ in (mm) | 42.18 (1071.47) |
| B in (mm) | 18.91 (480.34) |
| C in (mm) | 12.66 (321.59) |

¹For models without ball valve regulator subtract 2.08 in (52.83 mm)

For manuals, flow curves, and more

ingersollrandproducts.com/AFX

For simple pump selection or application assistance

(800) 495-0276

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ARO

Ingersoll Rand
Industrial Technologies

23:1 Ratio Pump Packages



TPX Series
Two Post Ram

55
GALLON

| Packages | | | | | | |
|------------------|------------------------|---------------|----------------|----------|--------------------------|-------------------------|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Description | Material |
| TP0623G51RK47TA2 | 55 Gallon Two Post Ram | AF0623G11RK47 | RM552S-C | 66516-6 | Double Lip, Polyurethane | Aluminum w/PTFE Coating |

RECOMMENDED ACCESSORIES



Extrusion Guns

651533 For low- to medium-viscosity fluids 1/4" NPS (M) inlet
641523-1 Wetted parts are 300 Series SS with PTFE packings



Extrusion Gun Nozzle Kits

66541-6 Orifice .063" (1.63 mm), **66541-9** Orifice .093" (2.36 mm),
66541-2 Orifice .125" (3.17 mm)



Swivel

636085 Straight, 3/8" (M) x 3/8" (F) / fabric with neoprene / 8,000 psi (552 bar) max. working pressure
636088 Z-360°, 3/8" (M) x 3/8" (F) / fabric with neoprene / 8,000 psi (552 bar) max. working pressure
75364 Straight, for use with 651533 gun / 1/4"-18 NPTF to 1/4"-18 NPSM / 10,000 psi (690 bar) max working pressure



Material Filters

1" F (2) inlet 3/8" F (3) outlet / 6,000 psi (414 bar) max. / Carbon Steel
651418-40-B for 40 Mesh (375 Microns)
651418-70-B for 70 Mesh (200 Microns)



3/4" Fluid Pressure Regulators

651780-C1B-B Regulated 750 – 2,500 psi (52 – 173 bar) / 6,000 psi (414 bar) max. inlet / carbon steel
651780-C1C-B Regulated 2,000 – 5,000 psi (138 – 345 bar) / 6,000 psi (414 bar) max. inlet / carbon steel
651780-C3B-B Regulated 750 – 2,500 psi / 6,000 psi (414 bar) max. inlet / stainless steel
651780-C3R-B Regulated 750 – 5,000 psi (52 – 345 bar) / 6,000 psi (414 bar) max. inlet / stainless steel

Other Accessories & Repair Kits

| | |
|---------|--|
| 62274 | Air Line Oil |
| 96916 | Standard Air Motor Muffler |
| 66333-B | Wet-Sol (1 Quart) |
| 66354-1 | Stabilizing Kit |
| 637489 | Universal Air Motor Service Kit |
| 637491 | 55 Gallon Two Post Ram Repair Kit (RM552S-X) |
| 67488 | Cross Over Kit |
| 67500 | Low-Level Cut-Off Kit |