

AF1044 Series Pumps

44:1 Ratio, 10" Air Motor, Chop-Check Lower End



(Model shown w/ball valve regulator)

| Pump Specifications | |
|------------------------------------|----------------------------|
| Ratio | 44:1 |
| Stroke (double acting) | 6" (15.24 cm) |
| Material Inlet | Flange Mount |
| Material Outlet | 1-1/4" NPT(F) |
| Air Inlet (female) | 3/4" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30 - 90 (2.1 - 6.2) |
| Fluid Pressure Range psi (bar) | 1320 - 3960 (91.0 - 273.1) |
| Max Cycles/Minute | 70 |
| Displacement/Cycle cu in (cm3) | 20.0 (327.8) |
| Cycles/gal (L) | 11.5 (3.0) |
| Flow @ 70 Cycles gpm (L/min) | 6.0 (22.9) |
| Noise Level @ 60 psi dBA | 89.8 |
| Weight lb (kg) | 64 (29.06) |
| Container Suitability | Remote Mounting |



Transfer and Supply



Extrusion

Materials

Caulking Inks Mastics Heavy Lubricants Sealants



Chop-Check Lower End Style

- Capable of moving medium- to high-viscosity fluids ranging from 15,000 to more than 1,000,000 cPs.
- Material delivery rates up to 12.2 gpm (46.3 L/min)

| Pump Model* | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Pump Service Kit |
|---|-------------------------------------|----------------|----------------|------------------|------------------|
| Lower Pump Model Material - Carbon Steel, Nickel Plated | | | | | |
| AF1044S11FF47 | 17-4 Stainless Steel, w/Hard Chrome | UHMW-PE | UHMW-PE | 67300-C4D | 637348-C4D |
| AF1044S11PF17 | 17-4 Stainless Steel, w/Hard Chrome | Polyurethane | UHMW-PE | 67300-J3D | 637348-J3D |

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

RECOMMENDED ACCESSORIES

| | | | | | |
|------------------------|---|--------------------------------|----------------------|----------------------------------|--|
| | | | | | |
| 67445-4 Muffler Kit | 66334-B Wet-Sol Packing Lubricant | 23644-400 ARO-Stop Valve | 65139 Floor Mount | 67442 Ball Valve Regulator | 637489 Universal Air Motor Service Kit |

| DIMENSIONS | |
|------------------------|-----------------|
| A ¹ in (mm) | 53.43 (1357.12) |
| B in (mm) | 30.38 (771.53) |
| C in (mm) | 19.25 (488.95) |

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 arohotline@irco.com

Ingersoll Rand
Industrial Technologies

44:1 Ratio Pump Packages



TPX Series
Two Post Ram

55
GALLON

| Packages | | | | | | |
|------------------|-----------------------------------|---------------|----------------|----------|-----------------------|----------|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Description | Material |
| TP1044S51FF47AM2 | 55 Gallon Two Post Ram | AF1044S11FF47 | RM552S-C | 67196-1 | Double Tube, Neoprene | Aluminum |
| TP1044S51FF47AC2 | 55 Gallon Two Post Ram | AF1044S11FF47 | RM552S-C | 66517 | Double Lip, Nitrile | Aluminum |
| HD1044S51FF47AN2 | 55 Gallon Heavy Duty Two Post Ram | AF1044S11FF47 | RM552H-C | 67196-2 | Double Tube, EPR | Aluminum |

RECOMMENDED ACCESSORIES



Extrusion Guns

651500 For material over 200,000 cP 3/8" (F) inlet
651533 For low- to medium-viscosity fluids 1/4" NPS (M) inlet



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 (52 – 173 bar) / 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 Bracket |
| 637489 | Universal Air Motor Service Kit |
| 637491 | 55 Gallon Two Post Ram Repair Kit (RM552S-X) |
| 637472 | 55 Gallon Two Post Ram Repair Kit (RM552H-X) |
| 67448 | Cross Over Kit |
| 67500 | Low-Level Cut-Off Kit |