

AF0844 Series Pumps

44:1 Ratio, 8" 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" NPT(F)
Air Inlet (female)	1/2" NPT(F)
Air Inlet Pressure Range psi (bar)	30 - 120 (2.1 - 8.3)
Fluid Pressure Range psi (bar)	1320 - 5964 (91.0 - 411.3)
Max Cycles/Minute	70
Displacement/Cycle cu in (cm3)	12.5 (204.8)
Cycles/gal (L)	18.5 (4.8)
Flow @ 70 Cycles gpm (L/min)	3.8 (14.3)
Noise Level @ 60 psi dBA	86.8
Weight* lb (kg)	165 (74.8)
Container Suitability	Remote Mounting

*Estimated weight. Contact Technical Support for exact weight.



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					
AF0844S11FF47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE	UHMW-PE	66243-C4D-B	637071-C4D-B
AF0844S11HH47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE/Leather (Staggered)	UHMW-PE/Leather (Staggered)	66243-G4D-B	637071-G4D-B
AF0844S11RK47	17-4 Stainless Steel w/Hard Chrome	Glass Filled PTFE/ UHMW-PE (Staggered)	Glass Filled PTFE	66243-R4D-B	637071-R4D-B

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

RECOMMENDED ACCESSORIES

67445-3 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)	50.60 (1285.32)
B in (mm)	27.55 (699.72)
C in (mm)	17.74 (450.49)

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

5
GALLON



TPX Series
Two Post Ram

55
GALLON



HDX Series
Heavy Duty
Two Post Ram

55
GALLON

Packages						
Model No.	Package Type	Pump Model	Ram/Lift Model	Follower	Follower Description	Material
TP0844S21FF47E32	5 Gallon Two Post Ram	AF0844S11FF47	RM052S-C	67342-1	Single Lip, Polyurethane/Urethane	Carbon Steel, Electroless Nickel Coating
TP0844S51FF47AA2	55 Gallon Two Post Ram	AF0844S11FF47	RM552S-C	66516-1	Double Lip, Polyurethane	Aluminum
TP0844S51FF47AN2	55 Gallon Two Post Ram	AF0844S11FF47	RM552S-C	67195-2	Double Tube, EPR	Aluminum
TP0844S51HH47AA2	55 Gallon Two Post Ram	AF0844S11HH47	RM552S-C	66516-1	Double Lip, Polyurethane	Aluminum
TP0844S51HH47AC2	55 Gallon Two Post Ram	AF0844S11HH47	RM552S-C	66516	Double Lip, Nitrile	Aluminum
TP0844S51RK47AA2	55 Gallon Two Post Ram	AF0844S11RK47	RM552S-C	66516-1	Double Lip, Polyurethane	Aluminum
TP0844S51RK47AC2	55 Gallon Two Post Ram	AF0844S11RK47	RM552S-C	66516	Double Lip, Nitrile	Aluminum
TP0844S51RK47TA2	55 Gallon Two Post Ram	AF0844S11RK47	RM552S-C	66516-6	Double Lip, Polyurethane	Aluminum w/PTFE Coating
HD0844S51FF47AN2	55 Gallon Heavy Duty Two Post Ram	AF0844S11FF47	RM552H-C	67195-2	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)
66353-1	Stabilizing Bracket
637489	Universal Air Motor Service Kit
637466	5 Gallon Two Post Ram Repair 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

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