

AF0813 Series Pumps

13:1 Ratio, 8" Air Motor, Chop-Check Lower End



(Model shown w/ball valve regulator)

Pump Specifications

Ratio	13:1
Stroke (double acting)	6" (15.24 cm)
Material Inlet	Flange Mount
Material Outlet	1-1/2" 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)	390 - 1900 (26.9 - 131.0)
Max Cycles/Minute	70
Displacement/Cycle cu in (cm3)	40.4 (662.0)
Cycles/gal (L)	5.7 (1.5)
Flow @ 70 Cycles gpm (L/min)	12.2 (46.3)
Noise Level @ 60 psi dBA	86.8
Weight* lb (kg)	125.5 (56.9)
Container Suitability	Remote Mounting

*Estimated weight. Contact Technical Support for exact weight.



Transfer and Supply



Extrusion

Materials

Caulking Inks	Mastics Heavy Lubricants	Sealants
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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					
AF0813S11FF44	Carbon Steel w/Hard Chrome	UHMW-PE	UHMW-PE	66236-C4E-B	637128-C44-B
AF0813S11GF44	Carbon Steel w/Hard Chrome	UHMW-PE/Glass Filled PTFE (Staggered)	UHMW-PE	66236-P4E-B	637128-P44-B
AF0813S11HF44	Carbon Steel w/Hard Chrome	UHMW-PE/Leather (Staggered)	UHMW-PE	66236-F4E-B	637128-F44-B
AF0813S11PF14	Carbon Steel w/Hard Chrome	Polyurethane	UHMW-PE	66236-J3E-B	637128-J34-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)	54.40 (1381.71)
B in (mm)	31.34 (796.11)
C in (mm)	19.94 (506.40)

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

13:1 Ratio Pump Packages



Packages						
Model No.	Package Type	Pump Model	Ram/Lift Model	Follower	Follower Description	Material
TP0813S51HF44AA2	55 Gallon Two Post Ram	AF0813S11HF44	RM552S-C	66517-1	Double Lip, Polyurethane	Aluminum
Model No.	Package Type	Pump Model	Floor Mount Kit	Ball Valve	Material Supply Hose	Material Hose w/Fittings
FM0813S11PF14001	Floor Mount	AF0813S11PF14-1	65139	67073	628088-7	628089-6

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-C3B-B Regulated 750 – 2,500 psi (52 – 173 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
637491	55 Gallon Two Post Ram Repair Kit (RM552S-X)
67488	Cross Over Kit
67500	Low-Level Cut-Off Kit