

AF0423 Series Pumps

23:1 Ratio, 4-1/4" Air Motor, Chop-Check Lower End



(Model shown w/ball valve regulator)

Pump Specifications

Ratio	23:1
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)	0 - 150 (0 - 10.3)
Fluid Pressure Range psi (bar)	0 - 3690 (0 - 254.5)
Max Cycles/Minute	60
Displacement/Cycle cu in (cm3)	6.9 (113.0)
Cycles/gal (L)	33.1 (8.8)
Flow @ 60 Cycles gpm (L/min)	1.8 (6.9)
Noise Level @ 60 psi dBA	86.5
Weight* lb (kg)	63.7 (28.9)
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 Material - Carbon Steel, Nickel Plated					
AF0423S11FF47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE	UHMW-PE	66266-C43-B	637071-C43-B
AF0423S11KK47	17-4 Stainless Steel w/Hard Chrome	Glass Filled PTFE	Glass Filled PTFE	66266-343-B	637071-343-B
AF0423S11HH47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE/Leather (Staggered)	UHMW-PE/Leather (Staggered)	66266-G43-B	637071-G43-B
AF0423S11RK47	17-4 Stainless Steel w/Hard Chrome	Glass Filled PTFE/UHMW-PE (Staggered)	Glass Filled PTFE	66266-R43-B	637071-R43-B

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

RECOMMENDED ACCESSORIES



67445-1
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)	54.01 (1371.83)
B in (mm)	30.74 (780.69)
C in (mm)	17.74 (450.49)

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

23:1 Ratio Pump Packages



SPX Series

Single Post Ram



GALLON



TPX Series

Two Post Ram



GALLON



TPX Series

Two Post Ram



GALLON

Packages						
Model No.	Package Type	Pump Model	Ram Model	Follower	Follower Description	Material
SP0423S21FF47E32	5 Gallon Single Post Ram	AF0423S11FF47	RM051S-C	67342-1	Single Lip, Polyethylene/Urethane	Carbon Steel, Electroless Nickel Coating
TP0423S21FF47E32	5 Gallon Two Post Ram	AF0423S11FF47	RM052S-C	67342-1	Single Lip, Polyethylene/Urethane	Carbon Steel, Electroless Nickel Coating
TP0423S51FF47AA2	55 Gallon Two Post Ram	AF0423S11FF47	RM552S-C	66516-1	Double Lip, Polyurethane	Aluminum
TP0423S51HH47AA2	55 Gallon Two Post Ram	AF0423S11HH47	RM552S-C	66516-1	Double Lip, Polyurethane	Aluminum
TP0423S51RK47AA2	55 Gallon Two Post Ram	AF0423S11RK47	RM552S-C	66516-1	Double Lip, Polyurethane	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
637465	5 Gallon Single Post Ram Repair Kit
637491	55 Gallon Two Post Ram Repair Kit (RM552S-X)
67448	Cross Over Kit
67500	Low-Level Cut-Off Kit