

AF0645 Series Pumps

45:1 Ratio, 6" Air Motor, 2-Ball Lower End



(Model shown w/ball valve regulator)

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)

Pump Specifications

Ratio	45:1
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 - 120 (2 - 8.3)
Fluid Pressure Range psi (bar)	1350 - 5459 (93 - 376)
Max Cycles/Minute	60
Displacement/Cycle cu in (cm3)	7.5 (122.9)
Cycles/gal (L)	31 (8.1)
Flow @ 60 Cycles gpm (L/min)	1.9 (7.3)
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.



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)

Pump Model**	Plunger Material	Upper Packings	Lower Packings	Lower Pump Model	Pump Service Kit
Lower Pump Material - 300 Series SS w/Tungsten Carbide Seat					
AF0645G11FF47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE	UHMW-PE	66301-C43	637306-C43
AF0645G11KK47	17-4 Stainless Steel w/Hard Chrome	Glass Filled PTFE	Glass Filled PTFE	66301-343	637306-343
AF0645G11FF48	17-4 Stainless Steel, Ceramic Coated	UHMW-PE	UHMW-PE	66301-C4B	637306-C43
AF0645G11HH47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE/Leather (Staggered)	UHMW-PE/Leather (Staggered)	66301-G43	637306-G43
AF0645G11GF47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE/Glass Filled PTFE (Staggered)	UHMW-PE	66301-P43	637306-P43
AF0645G11RK47	17-4 Stainless Steel w/Hard Chrome	Glass Filled PTFE/ UHMW-PE (Staggered)	Glass Filled PTFE	66301-R43	637306-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

45:1 Ratio Pump Packages



Packages						
Model No.	Package Type	Pump Model	Cart Model	Material Hose	Material Filter	Ball Valve Regulator
CM0645G11GF47001	Cart Mount	AF0645G11GF47-1	67139	67140-1	651422-70	67442
Model No.	Package Type	Pump Model	Ram Model	Follower	Follower Description	Material
TP0645G51RK47TN2	55 Gallon Two Post Ram	AF0645G11RK47	RM552S-C	67195-6	Double Tube, EPR	Aluminum w/PTFE Coating
TP0645G51RK47TB2	55 Gallon Two Post Ram	AF0645G11RK47	RM552S-C	66516-7	Double Lip, EPR	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 – 5,000 psi (52 – 345 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)
67448	Cross Over Kit
67500	Low-Level Cut-Off Kit