

AF0412 Series Pumps

12:1 Ratio, 4-1/4" Air Motor, Chop-Check Lower End



(Model shown w/ball valve regulator)

Pump Specifications

Ratio	12:1
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 -2085 (0 - 143.8)
Max Cycles/Minute	60
Displacement/Cycle cu in (cm3)	12.5 (204.8)
Cycles/gal (L)	18.5 (4.8)
Flow @ 60 Cycles gpm (L/min)	3.2 (12.3)
Noise Level @ 60 psi dBA	86.5
Weight* lb (kg)	64 (29)
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 Material - Carbon Steel, Nickel Plated					
AF0412S11FF47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE	UHMW-PE	66243-C43-B	637071-C43-B
AF0412S11KK47	17-4 Stainless Steel w/Hard Chrome	Glass Filled PTFE	Glass Filled PTFE	66243-343-B	637071-343-B
AF0412S11HH47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE/Leather (Staggered)	UHMW-PE/Leather (Staggered)	66243-G43-B	637071-G43-B
AF0412S11GF47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE/Glass Filled PTFE (Staggered)	UHMW-PE	66243-P43-B	637071-P43-B
AF0412S11RK47	17-4 Stainless Steel w/Hard Chrome	Glass Filled PTFE/ UHMW-PE (Staggered)	Glass Filled PTFE	66243-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)

For manuals, flow curves, and more

ingersollrandproducts.com/AFX

For simple pump selection or application assistance

(800) 495-0276 arohotline@irco.com

ARO

Ingersoll Rand
Industrial Technologies

12:1 Ratio Pump Packages



TPX Series
Two Post Ram

55

GALLON

Packages						
Model No.	Package Type	Pump Model	Ram/Lift Model	Follower	Follower Description	Material
TP0412S51FF47AA2	55 Gallon Two Post Ram	AF0412S11FF47	RM552S-C	66516-1	Double Lip, Polyurethane	Aluminum
TP0412S51KK47AA2	55 Gallon Two Post Ram	AF0412S11KK47	RM552S-C	66516-1	Double Lip, Polyurethane	Aluminum
TP0412S51HH47AA2	55 Gallon Two Post Ram	AF0412S11HH47	RM552S-C	66516-1	Double Lip, Polyurethane	Aluminum
TP0412S51GF47TA2	55 Gallon Two Post Ram	AF0412S11GF47	RM552S-C	66516-6	Double Lip, Polyurethane	Aluminum w/PTFE Coating
TP0412S51GF47AA2	55 Gallon Two Post Ram	AF0412S11GF47	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
637491	55 Gallon Two Post Ram Repair Kit (RM552S-X)
67448	Cross Over Kit
67500	Low-Level Cut-Off Kit