

AF0443 Series Pumps

43:1 Ratio, 4-1/4" Air Motor, Chop-Check Lower End



(Model shown w/ ball valve regulator)

DIMENSIONS	Standard	Ext. Tie Rods
	A ¹ in (mm)	42.09 (1069.09)
B in (mm)	24.44 (620.83)	33.34 (846.89)
C in (mm)	14.19 (360.48)	14.19 (360.48)

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

Pump Specifications	
Ratio	43:1
Stroke (double acting)	4" (10.2 cm)
Material Inlet	Follower Plate Mounted
Material Outlet	1/2" 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 - 6549 (0 - 451.7)
Max Cycles/Minute	60
Displacement/Cycle cu in (cm ³)	2.8 (45.8)
Cycles/gal (L)	81 (21.7)
Flow @ 60 Cycles gpm (L/min)	0.74 (2.8)
Noise Level @ 60 psi dBA	86.5
Weight* lb (kg)	44 (20)
Container Suitability	5 Gallon (35 lbs)

*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 - 300 Series Stainless Steel					
AF0443T21GN47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE Glass Filled PTFE (Staggered)	UHMW-PE, Hydraulic Gland Type	67101-P43	637291-P43
AF0443T21GF47	17-4 Stainless Steel w/Hard Chrome	UHMW-PE Glass Filled PTFE (Staggered)	UHMW-PE	67101-P48	637291-P48
Lower Pump Material -Carbon Steel, Nickel-Plated					
AF0443S21GN47	Carbon Steel	UHMW-PE Glass Filled PTFE (Staggered)	UHMW-PE, Hydraulic Gland Type	67100-P43	637290-P43
AF0443S21GF47	Carbon Steel	UHMW-PE Glass Filled PTFE (Staggered)	UHMW-PE	67100-P48	637290-P48
AF0443S71GN47***	Carbon Steel	UHMW-PE Glass Filled PTFE (Staggered)	UHMW-PE, Hydraulic Gland Type	67100-P43	637290-P43

** Add "-1" to Model No. for Ball Valve Regulator
 *** With Extended Tie Rods

RECOMMENDED ACCESSORIES

67445-1 Muffler Kit	66334-B Wet-Sol Packing Lubricant	23644-400 ARO-Stop Valve	67136 Floor/Mount Plate Adapter	67442 Ball Valve Regulator	637489 Universal Air Motor Service Kit

For manuals, flow curves, and more

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For simple pump selection or application assistance

(800) 495-0276 arohotline@irco.com

Ingersoll Rand
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43:1 Ratio Pump Packages



CLX Series
Cart Lift

5
GALLON



SPX Series
Single Post Ram

5
GALLON



TPX Series
Two Post Ram

5
GALLON

Packages						
Model No.	Package Type	Pump Model	Cart/Lift Model	Follower	Follower Description	Material
CL0443S21GN47E31	Cart Mount w/Lift	AF0443S21GN47-1	67075-B	651840-1	Single Lip, Polyethylene/Urethane	Carbon Steel, Electroless Nickel Coating
CL0443T21GN47S31	Cart Mount w/Lift	AF0443T21GN47-1	67075-B	651841-1	Single Lip, Polyethylene/Urethane	Stainless Steel
Model No.	Package Type	Pump Model	Ram Model	Follower	Follower Description	Material
SP0443S21GN47E52	5 Gallon Single Post Ram	AF0443S21GN47	RM051S-C	651840-3	Single Lip, Nitrile/Polyethylene	Carbon Steel, Electroless Nickel Coating
SP0443T21GN47S32	5 Gallon Single Post Ram	AF0443T21GN47	RM051S-C	651841-1	Single Lip, Urethane/Polyethylene	Stainless Steel
TP0443S21GN47E52	5 Gallon Two Post Ram	AF0443S21GN47	RM052S-C	651840-3	Single Lip, Nitrile/Polyethylene	Carbon Steel, Electroless Nickel Coating
TP0443T21GN47S32	5 Gallon Two Post Ram	AF0443T21GN47	RM052S-C	651841-1	Single Lip, Urethane/Polyethylene	Stainless Steel
TP0443S21GN47E32	5 Gallon Two Post Ram	AF0443S21GN47	RM052S-C	651840-1	Single Lip, Urethane/Polyethylene	Carbon Steel, Electroless Nickel Coating

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

1/2" F (2) inlet 1/2" F (1) outlet / 6,000 psi (414 bar) max. / 200 micron
651420-70 for Carbon Steel
651422-70 for Stainless Steel



3/8" Fluid Pressure Regulators

651780-A3A-B Regulated 400 – 1,250 psi (28 – 86 bar) / 3,000 psi (207 bar) max. inlet / stainless steel
651780-B1A-B Regulated 400 – 1,250 psi (28 – 86 bar) / 3,000 psi (207 bar) max. inlet / carbon steel
651780-B1B-B Regulated 1,000 – 3,000 psi (69 – 345 bar) / 6,000 psi (414 bar) max. inlet / carbon steel
651780-B3R-B Regulated 400 – 5,000 psi (28 – 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)
F35341-400	Filter
104317	Filter Element
637489	Universal Air Motor Service Kit
637465	5 Gallon Single Post Ram Repair Kit
637466	5 Gallon Two Post Ram Repair Kit
67448	Cross Over Kit
67500	Low-Level Cut-Off Kit

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