

## AF0409 Series Pumps

9:1 Ratio, 4-1/4" Air Motor, 2-Ball Lower End



(Model shown w/ball valve regulator)

### Pump Specifications

Ratio	9:1
Stroke (double acting)	4" (10.2 cm)
Material Inlet	See Dimensions
Material Outlet	3/4" 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 - 1350 (0 - 93.1)
Max Cycles/Minute	60
Displacement/Cycle cu in (cm3)	11.0 (180.2)
Cycles/gal (L)	21 (5.5)
Flow @ 60 Cycles gpm (L/min)	2.8 (10.5)
Noise Level @ 60 psi dBA	80
Weight* lb (kg)	55 Gallon Unit Remote Mount Unit
	49 (22.2) 35 (15.8)

\*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**	Container Suitability	Plunger Material	Upper Packings	Lower Packings	Lower Pump Model	Pump Service Kit
<b>Lower Pump Material - Carbon Steel</b>						
AF0409A81KS24-02	Remote Mounting	Carbon Steel w/ Hard Chrome	Glass Filled PTFE	Virgin PTFE	1875A81KS24	K1875A11KS24
AF0409A51KS24-02	55 Gallon (400 lbs)	Carbon Steel w/ Hard Chrome	Glass Filled PTFE	Virgin PTFE	1875A51KS24	K1875A11KS24
AF0409A51FF24-02	55 Gallon (400 lbs)	Carbon Steel w/ Hard Chrome	UHMW-PE	UHMW-PE	1875A51FF24	K1875A11FF24
AF0409A81US24-02	Remote Mounting	Carbon Steel w/ Hard Chrome	Glass Filled PTFE/Leather (Staggered)	Virgin PTFE	1875A81US24	K1875A11US24
AF0409A81HF24-02	Remote Mounting	Carbon Steel w/ Hard Chrome	UHMW-PE	UHMW-PE	1875A81HF24	K1875A11HF24
AF0409A81FF24-02	Remote Mounting	Carbon Steel w/ Hard Chrome	UHMW-PE	UHMW-PE	1875A81FF24	K1875A11FF24
AF0409A91LL2D	5 Gallon	Carbon Steel	Leather	Leather	1875A91LL2D	K1875A91LL2D

\*\*Add "-1" to Model No. or for Models Ending in "-02" change to "-12" for Ball Valve Regulator

### RECOMMENDED ACCESSORIES



67445-1 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

### DIMENSIONS

#### 55 Gallon Unit

A<sup>1</sup> in (mm) 61.74 (1568.25)

B in (mm) 38.53 (978.71)

Material Inlet Immersed -

#### Remote Mount Unit

A<sup>1</sup> in (mm) 35.21 (894.33)

B in (mm) 12.00 (304.80)

Material Inlet 1-1/2" NPT -

<sup>1</sup>For models without ball valve regulator subtract 2.08 in (52.83 mm)

For manuals, flow curves, and more

[ingersollrandproducts.com/AFX](http://ingersollrandproducts.com/AFX)

For simple pump selection or application assistance

(800) 495-0276

[arohotline@irco.com](mailto:arohotline@irco.com)

# ARO

Ingersoll Rand Industrial Technologies

# 9:1 Ratio Pump Packages



CLX Series  
Cart-Mounted Lift

5  
GALLON

Packages						
Model No.	Package Type	Pump Model	Cart/Lift Model	Follower	Follower Description	Material
CL0409A91LL2DE31	Cart Mount w/Lift	AF0409A91LL2D-1	67075-1-B	651840-1	Single Lip, Polyethylene/Urethane	Carbon Steel, Electroless Nickel Coating
CL0409A91LL2DE3B*	Cart Mount w/Lift	AF0409A91LL2D-1	67075-1-B	651840-1	Single Lip, Polyethylene/Urethane	Carbon Steel, Electroless Nickel Coating

\*Includes Application Kit with Control Handle and Material Hose

### 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

1/2" 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

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