

# AF0828 Series Pumps

28:1 Ratio, 8" Air Motor, Chop-Check Lower End



(Model shown w/ball valve regulator)

Pump Specifications	
Ratio	28:1
Stroke (double acting)	6" (15.24 cm)
Material Inlet	Flange Mount
Material Outlet	1-1/4" NPT(F)
Air Inlet (female)	1/2" NPT(F)
Air Inlet Pressure Range psi (bar)	30 - 120 (2.1 - 8.3)
Fluid Pressure Range psi (bar)	840 - 3360 (57.9 - 231.7)
Max Cycles/Minute	70
Displacement/Cycle cu in (cm3)	20.0 (327.8)
Cycles/gal (L)	11.55 (3.0)
Flow @ 70 Cycles gpm (L/min)	6.0 (22.7)
Noise Level @ 60 psi dBA	86.8
Weight* lb (kg)	140 (63.5)
Container Suitability	Remote Mounting

\*Estimated weight. Contact Technical Support for exact weight.



Transfer and Supply



Extrusion

### Materials

Caulking Inks      Mastics      Sealants  
Heavy Lubricants



### 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 Model Material - Carbon Steel, Nickel Plated					
AF0828S11FF47	17-4 Stainless Steel, w/Hard Chrome	UHMW-PE	UHMW-PE	67300-C4D	637348-C4D
AF0828S11PF17	17-4 Stainless Steel, w/Hard Chrome	Polyurethane	UHMW-PE	67300-J3D	637348-J3D

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

### RECOMMENDED ACCESSORIES

67445-3 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 <sup>1</sup> in (mm)	53.46 (1357.88)
B in (mm)	30.41 (772.29)
C in (mm)	19.25 (488.95)

<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

## 28:1 Ratio Pump Packages



TPX Series  
Two Post Ram

55  
GALLON

Packages						
Model No.	Package Type	Pump Model	Ram/Lift Model	Follower	Follower Description	Material
SP0828S51FF47AA0	55 Gallon Single Post Ram	AF0828S11FF47	651614-2	66517-1	Double Lip, Polyurethane	Aluminum
SP0828S51FF47AC0	55 Gallon Single Post Ram	AF0828S11FF47	651614-2	66517	Double Lip, Nitrile	Aluminum
TP0828S51FF47AA2	55 Gallon Two Post Ram	AF0828S11FF47	RM5525-C	66517-1	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)
66353-1	Stabilizing Bracket
637489	Universal Air Motor Service Kit
RK2425-10	55 Gallon Single Post Ram Repair Kit
637491	55 Gallon Two Post Ram Repair Kit (RM5525-X)
67448	Cross Over Kit
67500	Low-Level Cut-Off Kit