

# AF1020 Series Pumps

20:1 Ratio, 10" Air Motor, Chop-Check Lower End



(Model shown w/ball valve regulator)

Pump Specifications	
Ratio	20:1
Stroke (double acting)	6" (15.24 cm)
Material Inlet	Flange Mount
Material Outlet	1-1/2" NPT(F)
Air Inlet (female)	3/4" NPT(F)
Air Inlet Pressure Range psi (bar)	30 - 90 (2.1 - 6.2)
Fluid Pressure Range psi (bar)	600 - 2250 (41.4 - 155.2)
Max Cycles/Minute	70
Displacement/Cycle cu in (cm3)	40.4 (662.0)
Cycles/gal (L)	5.7 (1.5)
Flow @ 70 Cycles gpm (L/min)	10.5 (39.7)
Noise Level @ 60 psi dBA	89.8
Weight* lb (kg)	144 (65.3)
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 Model Material - Carbon Steel, Nickel Plated					
AF1020S11FF44	Carbon Steel, w/Hard Chrome	UHMW-PE	UHMW-PE	66236-C4E-B	637128-C44-B
AF1020S11HF44	Carbon Steel, w/Hard Chrome	UHMW-PE/Leather (Staggered)	UHMW-PE	66236-F4E-B	637128-F44-B
AF1020S11PF14	Carbon Steel, w/Hard Chrome	Polyurethane	UHMW-PE	66236-J3E-B	637128-J34-B

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

**RECOMMENDED ACCESSORIES**

67445-4 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)	54.40 (1381.71)
B in (mm)	31.34 (796.11)
C in (mm)	19.94 (506.40)

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

For manuals, flow curves, and more

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

For simple pump selection or application assistance

(800) 495-0276      [arohotline@irco.com](mailto:arohotline@irco.com)

## 20:1 Ratio Pump Packages



TPX Series  
Two Post Ram

**55**  
GALLON

Packages						
Model No.	Package Type	Pump Model	Ram/Lift Model	Follower	Follower Description	Material
SP102S51FF44AC0	55 Gallon Single Post Ram	AF1020S11FF44	651614-2	66517	Double Lip, Nitrile	Aluminum
TP1020S51FF44AA2	55 Gallon Two Post Ram	AF1020S11FF44	RM552S-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

### 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 (RM552S-X)
67448	Cross Over Kit
67500	Low-Level Cut-Off Kit