AF1020 Series Pumps

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



(Model shown w/ball valve regulator)

DIMENSIONS	
A ¹ in (mm)	54.40 (1381.71)
B in (mm)	31.34 (796.11)
C in (mm)	19.94 (506.40)

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



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	Mastics	Sealants
Inks	Heavy Lubricants	



Chop-Check Lower End Style

- · Capable of moving mediumto 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



Muffler Kit



Wet-Sol Packing

Lubricant



23644-400

ARO-Stop



Floor Mount







Ball Valve Regulator

Universal Air Motor Service Kit





20:1 Ratio Pump Packages



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, Polyruethane	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

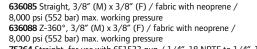




66541-6 Orifice .063" (1.63 mm), 66541-9 Orifice .093" (2.36 mm), 66541-2 Orifice .125" (3.17 mm)



Swive



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	







