

ARO®

PISTON PUMPS

CHOP-CHECK PUMP MODELS



Chop-Check pumps are designed to move medium-to-high viscosity fluids in difficult applications.

For over 85 years, the ARO® Fluid Products business of Ingersoll Rand® has developed relationships with more than 200 original equipment manufacturers and distributors, enabling us to better focus on the unique pumping needs of many industries. It's a strategic merger of our customers' application expertise, along with our decades-long legacy of designing and building outstanding piston pumps.

Piston pumps are the heartbeat that keeps material flowing through your most vital systems. When a steady stream is essential to your operation, it's important to trust products that can handle the pressure—that's where ARO® comes in.

ARO® offers a versatile range of piston pump packages capable of meeting the specific needs of your specific application. Available in multiple configurations with a broad selection of pressure ratios and displacement rates, our pumps can help unlock superior performance and increase production across a number a unique applications.

Unmatched application expertise in:



Finishing



Coatings



Sealants and Adhesives



Bulk material transfer and circulation



High-pressure cleaning



Lubrication



Simply better pumps

ARO® LOWER PUMP END TECHNOLOGY

Whether your application requires a 2-ball, 4-ball, or chop-check piston pump, with ARO® you get a pump that's better engineered, from the inside out. We offer design features and performance enhancements that ensure your pump is as durable and dependable as possible — maximizing output and minimizing downtime for a long time to come.

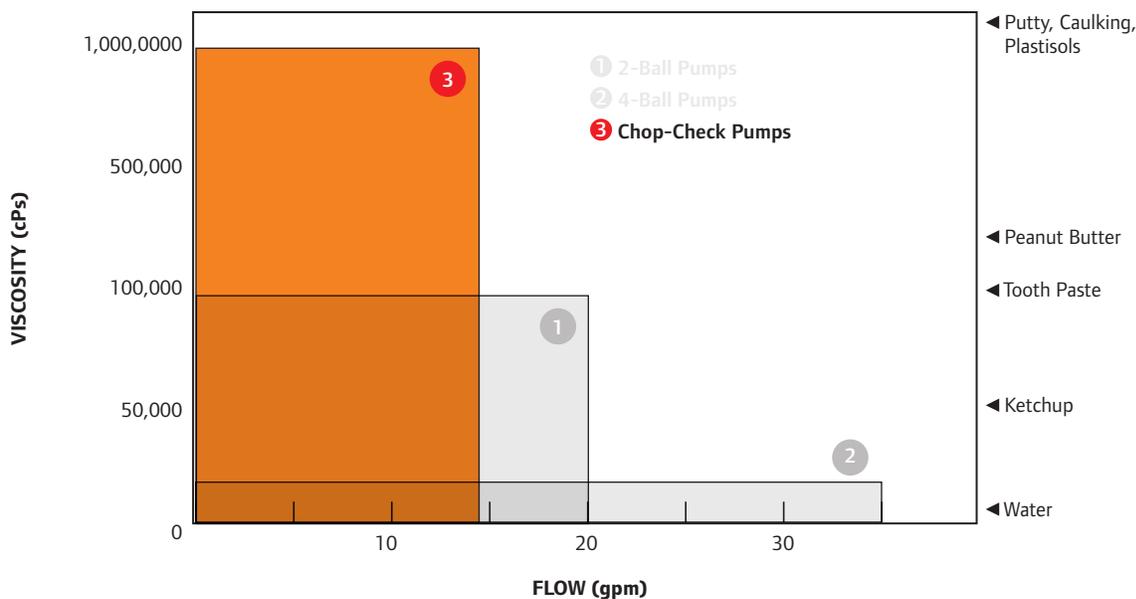
Pump selection made simple

With an ARO® piston pump, you can be assured of getting reliable equipment with the least amount of effort, calculation, or hassle on your part. There are basically four factors to take into consideration when selecting the right configuration for your application:

- ▶ Type of fluid
- ▶ Viscosity or thickness
- ▶ Required flow rate
- ▶ Required output pressure

Pump selection at a glance

Knowing fluid viscosity and flow rates makes it easier to choose the right pump for your application. Not sure what size air motor or piston pump you need? No problem. You can find out by calling ARO® Technical Support and working directly with our expert pump consultants, or by visiting our website to access specific pump performance data. Either way, you'll be sure to get a motor and pump package that operates efficiently, reliably, and safely.



Best-in-class output

- Our 6" stroke delivers best-in-class displacement per cycle, delivering better flow rate, better output, and less fatigue on parts.

Easy serviceability

- Plungers and packings are easily accessible, minimizing downtime.
- Pump packings on the lower pumps are adjustable, featuring a wave spring and guide arrangement.
- Parts are available in convenient service kits so you have the right parts at the right time.

Superior performance with abrasive fluids

- ARO® chop-check pumps feature plunger rods that are hard chrome-plated or made of hardened stainless steel. The result: components that resist the scoring caused by pumping abrasive fluids.
- Available in affordable **high-grade stainless-steel** construction.
- Electro-polished and passivated for material compatibility and corrosion-free operation.
- **Eight packing options** are available, including ultra-high molecular weight polyethylene (UHMW-PE), for even better material compatibility and excellent abrasion resistance.

Simply Versatile

The heavy-hitters of the line, ARO® chop-check pumps are designed to move medium-to high-viscosity fluids ranging from 15,000 cPs to more than 1,000,000 cPs, and at delivery rates up to 12.2 gpm (46.3 L/min).

Applications advantages of Chop-Check:



Extrusion: Chop-Check pumps are workhorses - able to deliver viscous adhesives, sealants, caulking and heavy lubricants to the application point at the desired pressure and flow rate.



Transfer & Supply: Depending on the model, some Chop-Check pumps are capable of achieving flow rates up to 12.2 gpm, ensuring efficient transfer of heavy greases, inks and other viscous materials.

Materials advantages of Chop-Checks:

Chop-Check pumps have a primer piston to 'feed' material into the pump. They are often used in conjunction with a follower plate to force material down. This prevents loss of prime due to Channeling - a condition where the pump inlet becomes surrounded by air due to the cavity formed when a high viscosity material does not level off when removed (Slumpability).

- ▶ **Stringy materials:** Chop-Checks have mechanical, flat checks to overcome materials that resist cut-off and adhere to themselves.
- ▶ **Tacky materials:** Chop-Check pump options come in high ratios to generate the fluid pressure needed to move materials that will adhere to hoses and equipment while wet.



Selection Chart



| | | | | See Page |
|-------------|---|-------------------------|---------------------------------|----------|
| 12:1 |  | 3.2 gal/min 12.3 l/min | Carbon steel | 8 |
| 13:1 |  | 12.2 gal/min 46.3 l/min | Carbon steel | 10 |
| 20:1 |  | 12.2 gal/min 39.7 l/min | Carbon steel | 12 |
| 22:1 |  | 0.5 gal/min 1.9 l/min | Carbon steel | 14 |
| 22:1 |  | 0.5 gal/min 1.9 l/min | Stainless steel | 15 |
| 23:1 |  | 1.8 gal/min 6.9 l/min | Carbon steel | 17 |
| 23:1 |  | 3.2 gal/min 12.3 l/min | Carbon steel | 19 |
| 28:1 |  | 6.0 gal/min 22.7 l/min | Carbon steel | 21 |
| 30:1 |  | 12.2 gal/min 46.3 l/min | Carbon steel | 23 |
| 43:1 |  | 0.74 gal/min 2.8 l/min | Carbon steel or stainless steel | 24 |
| 44:1 |  | 3.8 gal/min 14.3 l/min | Carbon steel | 26 |
| 44:1 |  | 6.0 gal/min 22.9 l/min | Carbon steel | 28 |
| 46:1 |  | 1.8 gal/min 6.9 l/min | Carbon steel | 30 |
| 65:1 |  | 1.3 gal/min 5.1 l/min | Carbon steel | 32 |
| 65:1 |  | 6.0 gal/min 22.9 l/min | Carbon steel | 34 |

Viscosity Guide

| Flow (gpm) | Maximum Delivery Rate gpm (L/min) | Ratio | Fluid Pressure Range psi (bar) | Pump Model Number | Material of Construction | Lower End Type | 500 cPs | 1,000 cPs | 5,000 cPs |
|------------|-----------------------------------|-------|--------------------------------|-------------------|--------------------------|----------------|---------------|-----------|-----------|
| 0-2 | 0.5 (1.9) | 22:1 | 660 - 3300 (45.4 - 227.6) | NM2322E-XX-P4X | Carbon Steel | Chop-Check | Flooded Inlet | | |
| | 0.5 (1.9) | 22:1 | 660 - 3300 (45.4 - 227.6) | NM2322F-XX-P4X | Stainless Steel | Chop-Check | Flooded Inlet | | |
| | 0.74 (2.8) | 43:1 | 1308 - 6549 (90.2 - 451.7) | AF0443S21XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| | 0.74 (2.8) | 43:1 | 1308 - 6549 (90.2 - 451.7) | AF0443T21XXXX | Stainless Steel | Chop-Check | Flooded Inlet | | |
| | 0.74 (2.8) | 43:1 | 1308 - 6549 (90.2 - 451.7) | AF0443S71XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| | 1.3 (5.1) | 65:1 | 1950 - 7475 (134.5 - 515.5) | AF0665S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| | 1.8 (6.9) | 23:1 | 690 - 3690 (47.6 - 254.5) | AF0423S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| | 1.8 (6.9) | 46:1 | 1380 - 7485 (95.1 - 516.2) | AF0646S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| 2-4 | 3.2 (12.3) | 23:1 | 690 - 4215 (47.6-290.7) | AF0623S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| | 3.2 (12.3) | 12:1 | 360 - 2085 (24.8-143.8) | AF0412S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| | 3.8 (14.3) | 44:1 | 1320 - 5964 (91 - 411.3) | AF0844S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| 4-10 | 6 (22.7) | 28:1 | 840 - 3360 (57.9 - 231.7) | AF0828S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| | 6 (22.7) | 44:1 | 1320 - 3960 (91 - 273) | AF1044S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| | 6 (22.7) | 65:1 | 1950 - 5850 (134.5 - 403.3) | AF1265S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| 10-20 | 12.2 (46.3) | 13:1 | 390 - 1900 (26.9 - 131) | AF0813S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| | 12.2 (46.3) | 20:1 | 600 - 2250 (41.4 - 155.1) | AF1020S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |
| | 12.2 (46.3) | 30:1 | 900 - 3250 (62.1 - 224.1) | AF1230S11XXXX | Carbon Steel | Chop-Check | Flooded Inlet | | |

12:1
4-1/4"

**AFX
Series**

AF0412 Series Pumps



(Model shown w/ball valve regulator)

Materials: Caulking, Inks, Mastics, Heavy Lubricants, Sealants

Pump Specifications

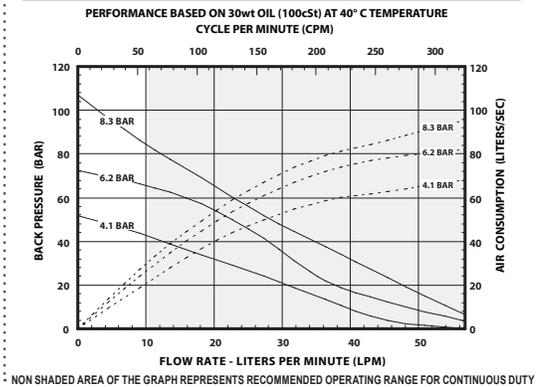
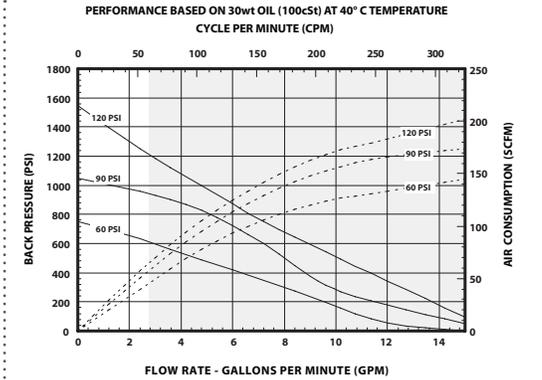
| | |
|------------------------------------|-----------------------|
| Ratio | 12:1 |
| Stroke (double acting) | 6" (15.24 cm) |
| Material Inlet | Flange Mount |
| Material Outlet | 1" NPT(F) |
| Air Inlet (female) | 1/2" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30-150 (2-10.3) |
| Fluid Pressure Range psi (bar) | 360-2085 (24.8-143.8) |
| Max Cycles/Minute | 60 |
| Displacement/Cycle cu in (cm3) | 12.5 (204.8) |
| Cycles/gal (L) | 18.5 (4.8) |
| Flow @ 60 Cycles gpm (L/min) | 3.2 (12.3) |
| Noise Level @ 60 psi dBA | 86.5 |
| Weight* lb (kg) | 64 (29) |
| Container Suitability | Remote Mounting |

*Estimated weight. Contact Technical Support for exact weight.

DIMENSIONS

| | |
|------------------------|-----------------|
| A ¹ in (mm) | 54.01 (1371.83) |
| B in (mm) | 30.74 (780.69) |
| C in (mm) | 17.74 (450.49) |

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



| Pump Model** | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|--|------------------------------------|---------------------------------------|-----------------------------|------------------|-------------------------------|------------------|
| Lower Pump Material - Carbon Steel, Nickel Plated (AF0412SXXXXXX) | | | | | | |
| AF0412S11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 66243-C43-B | A | 637071-C43-B |
| AF0412S11KK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE | Glass Filled PTFE | 66243-343-B | A | 637071-343-B |
| AF0412S11HH47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Leather (Staggered) | UHMW-PE/Leather (Staggered) | 66243-G43-B | A | 637071-G43-B |
| AF0412S11GF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Glass Filled PTFE (Staggered) | UHMW-PE | 66243-P43-B | A | 637071-P43-B |
| AF0412S11RK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE/UHMW-PE (Staggered) | Glass Filled PTFE | 66243-R43-B | A | 637071-R43-B |
| Lower Pump Material - Stainless Steel, (AF0412TXXXXXX) | | | | | | |
| AF0412T11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 1756T11FF47 | A | K1756T11FF00 |
| AF0412T11KK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE | Glass Filled PTFE | 1756T11KK47 | A | K1756T11KK00 |
| AF0412T11RK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE/UHMW-PE (Staggered) | Glass Filled PTFE | 1756T11RK47 | A | K1756T11RK00 |
| AF0412T11SS47 | 17-4 Stainless Steel w/Hard Chrome | Virgin PTFE | Virgin PTFE | 1756T11SS47 | A | K1756T11SS00 |

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

**AFX
Series**

12:1 Ratio Pump Packages



TPX Series
Two Post Ram

55
GALLON

| Packages | | | | | | |
|---------------------------------|--------------------------|---------------|----------------|----------|---------------------------|----------------------------------|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Seal Description | Material |
| Carbon Steel Packages | | | | | | |
| TP0412S51FF47AA2 | 55 Gallon Two Post Ram | AF0412S11FF47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0412S51KK47AA2 | 55 Gallon Two Post Ram | AF0412S11KK47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0412S51KK47AN2 | 55 Gallon Two Post Ram | AF0412S11KK47 | RM552S-C | 67195-2 | Double Tube, EPR | Aluminum |
| TP0412S51HH47AA2 | 55 Gallon Two Post Ram | AF0412S11HH47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0412S51GF47TA2 | 55 Gallon Two Post Ram | AF0412S11GF47 | RM552S-C | 66516-6 | Double Lip, Polyurethane | Aluminum w/PTFE Coating |
| TP0412S51GF47AA2 | 55 Gallon Two Post Ram | AF0412S11GF47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| Stainless Steel Packages | | | | | | |
| SP0412T21KK47S22 | 5 Gallon Single Post Ram | AF0412T11KK47 | RM051S-C-B | 67536-1 | Single Lip, Polyurethane | Stainless Steel |
| SP0412T21KK47TU2 | 5 Gallon Single Post Ram | AF0412T11KK47 | RM051S-C-B | 67532-1 | Single Tube, EPR | Aluminum w/PTFE Coating |
| TP0412T21KK47S22 | 5 Gallon Two Post Ram | AF0412T11KK47 | RM052S-C | 67536-1 | Single Lip, Polyurethane | Stainless Steel |
| TP0412T21KK47TU2 | 5 Gallon Two Post Ram | AF0412T11KK47 | RM052S-C | 67532-1 | Single Tube, EPR | Aluminum w/PTFE Coating |
| TP0412T51KK47TK2 | 55 Gallon Two Post Ram | AF0412T11KK47 | RM552S-C | 67527-1 | Double Tube, EPR | Screen - Aluminum w/PTFE Coating |
| TP0412T51KK47TL2 | 55 Gallon Two Post Ram | AF0412T11KK47 | RM552S-C | 67527-2 | Double Tube, FDA Neoprene | Screen - Aluminum w/PTFE Coating |

Recommended Accessories



67445-1
Muffer Kit



66334-B
Wet-Sol Packing
Lubricant



23644-400
ARO-Stop
Valve



65138
Floor Mount



67442
Ball Valve
Regulator



637489
Universal Air Motor
Service Kit

13:1

8"

AFX
Series

AF0813 Series Pumps



(Model shown w/ball valve regulator)

Materials: Caulking, Inks, Mastics, Heavy Lubricants, Sealants

Pump Specifications

| | |
|------------------------------------|------------------------------|
| Ratio | 13:1 |
| 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 - 120 (2.1 - 8.3) |
| Fluid Pressure Range psi (bar) | 390 - 1900 (26.9 - 131.0) |
| 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) | 12.2 (46.3) |
| Noise Level @ 60 psi dBA | 86.8 |
| Weight* lb (kg) | 125.5 (56.9) |
| Container Suitability | Remote Mounting |

*Estimated weight. Contact Technical Support for exact weight.

DIMENSIONS

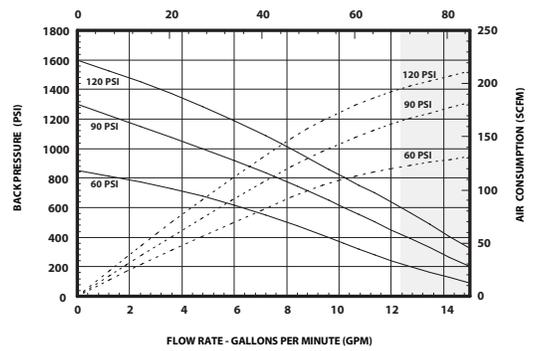
| | |
|------------------------|-----------------|
| A ¹ in (mm) | 54.40 (1381.71) |
| B in (mm) | 31.34 (796.11) |
| C in (mm) | 19.94 (506.40) |

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

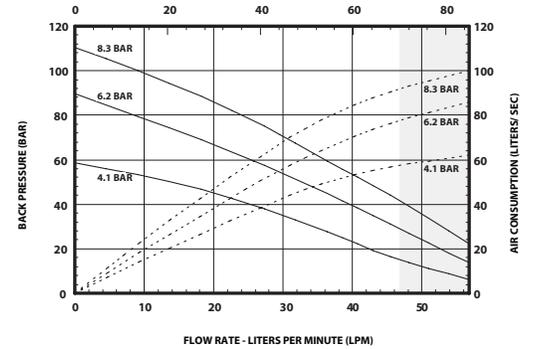
| Pump Model** | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|---|----------------------------|---------------------------------------|----------------|------------------|-------------------------------|------------------|
| Lower Pump Model Material - Carbon Steel, Nickel Plated | | | | | | |
| AF0813S11FF44 | Carbon Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 66236-C4E-B | B | 637128-C44-B |
| AF0813S11GF44 | Carbon Steel w/Hard Chrome | UHMW-PE/Glass Filled PTFE (Staggered) | UHMW-PE | 66236-P4E-B | B | 637128-P44-B |
| AF0813S11HF44 | Carbon Steel w/Hard Chrome | UHMW-PE/Leather (Staggered) | UHMW-PE | 66236-F4E-B | B | 637128-F44-B |
| AF0813S11PF14 | Carbon Steel w/Hard Chrome | Polyurethane | UHMW-PE | 66236-J3E-B | B | 637128-J34-B |

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

Recommended Accessories

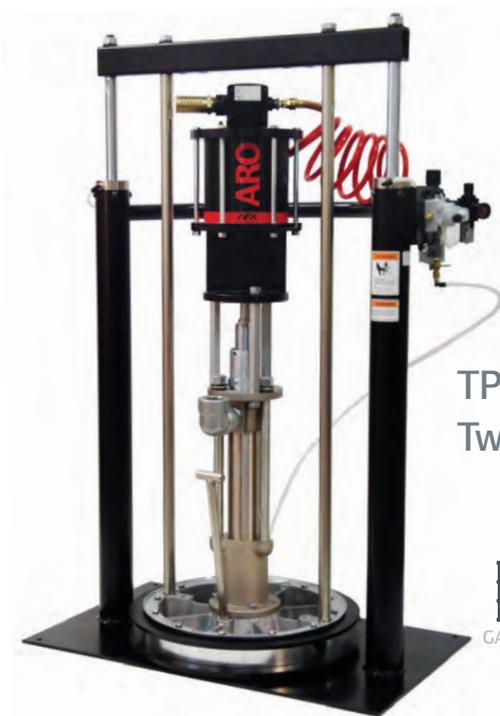
67445-3
Muffler Kit66334-B
Wet-Sol Packing
Lubricant635043
ARO-Stop
Valve65139
Floor Mount67442
Ball Valve
Regulator637489
Universal Air Motor
Service Kit
PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE
CYCLE PER MINUTE (CPM)


NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE
CYCLE PER MINUTE (CPM)


NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

13:1 Ratio Pump Packages



TPX Series
Two Post Ram

55
GALLON



FMX Series
Floor Mount

BULK

| Packages | | | | | | |
|------------------|------------------------|---------------|----------------|----------|---------------------------|----------|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Seal Description | Material |
| TP0813S51HF44AA2 | 55 Gallon Two Post Ram | AF0813S11HF44 | RM552S-C | 66517-1 | Double Lip, Polyurethane | Aluminum |

| Model No. | Package Type | Pump Model | Floor Mount Kit | Ball Valve | Material Supply Hose | Material Hose w/Fittings |
|------------------|--------------|-----------------|-----------------|------------|----------------------|--------------------------|
| FM0813S11PF14001 | Floor Mount | AF0813S11PF14-1 | 65139 | 67073 | 628088-7 | 628089-6 |

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-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 |
| 637472 | 55 Gallon Two Post Ram Repair Kit (RM552S-X / RM552H-X) |
| 67480 | 55 Gallon Two Post Ram Cross Over Kit |
| 67501 | 55 Gallon Two Post Ram Low Level Cut-Off Kit |
| 67503 | 55 Gallon Drum Hold Down Kit |

20:1

10"

AFX
Series

AF1020 Series Pumps



(Model shown w/ball valve regulator)

Materials: Caulking, Inks, Mastics, Heavy Lubricants, Sealants

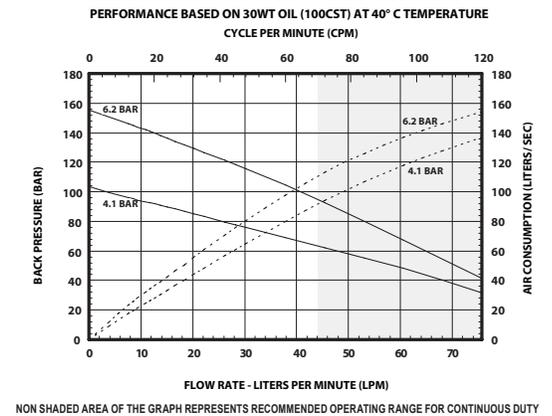
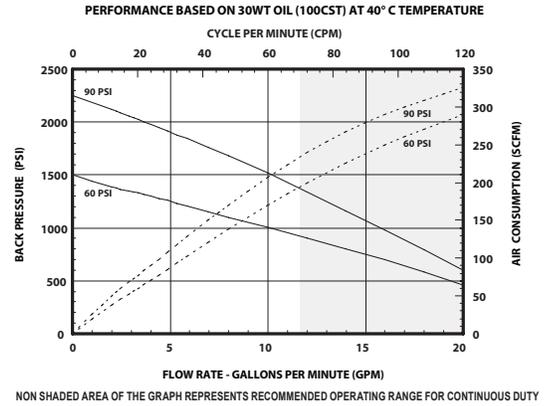
Pump Specifications

| | |
|---|------------------------------|
| 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 (cm ³) | 40.4 (662.0) |
| Cycles/gal (L) | 5.7 (1.5) |
| Flow @ 70 Cycles gpm (L/min) | 12.2 (46.3) |
| 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.

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 Model** | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|---|-----------------------------|-----------------------------|----------------|------------------|-------------------------------|------------------|
| Lower Pump Model Material - Carbon Steel, Nickel Plated | | | | | | |
| AF1020S11FF44 | Carbon Steel, w/Hard Chrome | UHMW-PE | UHMW-PE | 66236-C4E-B | B | 637128-C44-B |
| AF1020S11HF44 | Carbon Steel, w/Hard Chrome | UHMW-PE/Leather (Staggered) | UHMW-PE | 66236-F4E-B | B | 637128-F44-B |
| AF1020S11PF14 | Carbon Steel, w/Hard Chrome | Polyurethane | UHMW-PE | 66236-J3E-B | 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 | 635043 ARO-Stop Valve | 65139 Floor Mount | 67442 Ball Valve Regulator | 637489 Universal Air Motor Service Kit |

**AFX
Series**

20:1 Ratio Pump Packages



TPX Series
Two Post Ram

55
GALLON

| Packages | | | | | | |
|------------------|------------------------|---------------|----------------|----------|---------------------------|----------|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Seal Description | Material |
| 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

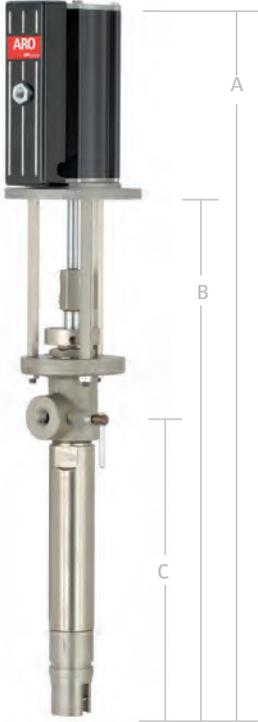
Other Accessories & Repair Kits

| | |
|---------|---|
| 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 |
| 637472 | 55 Gallon Two Post Ram Repair Kit (RM552S-X / RM552H-X) |
| 67480 | 55 Gallon Two Post Ram Cross Over Kit |
| 67501 | 55 Gallon Two Post Ram Low Level Cut-Off Kit |
| 67503 | 55 Gallon Drum Hold Down Kit |

22:1

3"

NM2322E Series Pumps



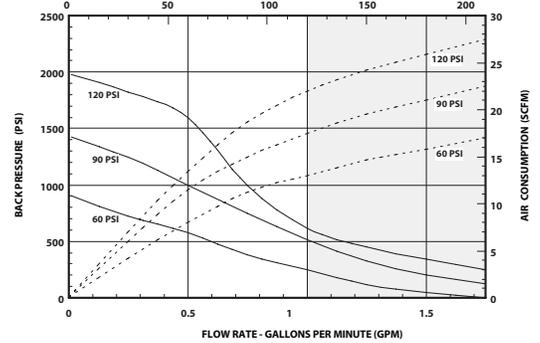
Materials: Caulking, Inks, Mastics, Heavy Lubricants, Sealants

Pump Specifications

| | |
|---|--|
| Ratio | 22:1 |
| Stroke (double acting) | 3" (7.62 cm) |
| Material Inlet | Follower Plate |
| Material Outlet | Mounted |
| Air Inlet (female) | 1/4" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30 - 150 (2.1 - 10.3) |
| Fluid Pressure Range psi (bar) | 660 - 3,300 (45.4 - 227.6) |
| Max Cycles/Minute | 120 |
| Displacement/Cycle cu in (cm ³) | 1.9 (31.1) |
| Cycles/gal (L) | 121.6 (32.1) |
| Flow @ 60 Cycles gpm (L/min) | .5 (1.9) |
| Noise Level @ 100 psi dBA | 85 |
| Weight* lb (kg) | NM2322E-11-P43 29 (13.2) NM2322E-11-P48 29 (13.2) NM2322E-11-P71 33 (15.0) |

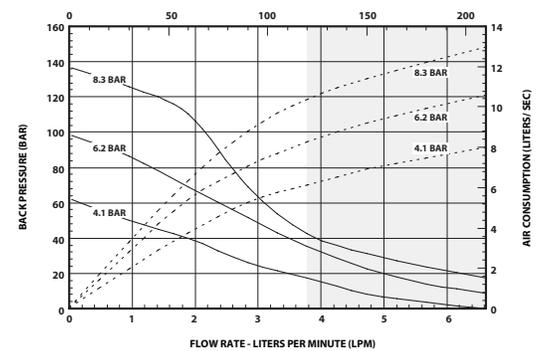
*Estimated weight. Contact Technical Support for exact weight.

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE
CYCLE PER MINUTE (CPM)



NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE
CYCLE PER MINUTE (CPM)



NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

| DIMENSIONS | A in (mm) | B in (mm) | C in (mm) |
|----------------|-------------------|-------------------|------------------|
| NM2322E-11-P4X | 33-23/32" (856.1) | 24-15/32" (620.8) | 14-3/16" (360.5) |
| NM2322E-71-P4X | 42-5/8" (1082.6) | 33-11/32" (846.9) | 14-3/16" (360.5) |
| NM2322F-11-P4X | 33-23/32" (856.1) | 24-15/32" (620.8) | 14-3/16" (360.5) |
| NM2322F-71-P4X | 42-5/8" (1082.6) | 33-11/32" (846.9) | 14-3/16" (360.5) |

| Pump Model | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|--|------------------|---------------------------|--------------------------------------|------------------|-------------------------------|------------------|
| Lower Pump Model Material - Carbon Steel | | | | | | |
| NM2322E-11-P43 | 17-4, Stainless* | UHMW-PE PTFE Staggered | UHMW-PE with standard plunger | 67100-P43 | C | 637290-P43 |
| NM2322E-11-P48 | 17-4, Stainless* | UHMW-PE PTFE Staggered | UHMW-PE with alternative piston** | 67100-P48 | C | 637290-P48 |
| NM2322E-71-P43 | 17-4, Stainless* | UHMW-PE PTFE Staggered | UHMW-PE with standard plunger | 67100-P43 | C | 637290-P43 |

*Hard-chrome plated ** Better for fluids containing filler material

Recommended Accessories



62274
Air Line Oil



P39124-600
Piggyback
Filter/Regulator



637316
Universal Air Motor
Service Kit



637134
Adapter

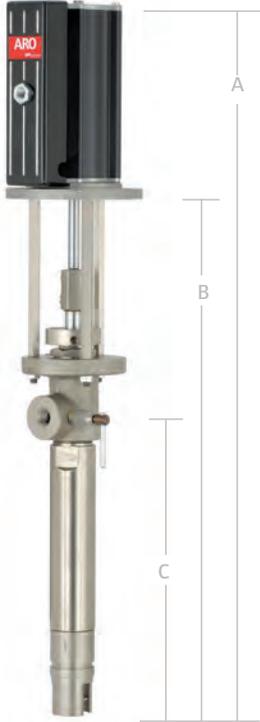


635040
ARO Stop
Valve

22:1

3"

NM2322F Series Pumps



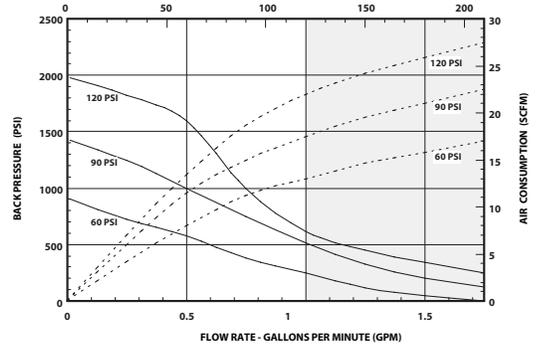
Materials: Caulking, Inks, Mastics, Heavy Lubricants, Sealants

Pump Specifications

| | |
|------------------------------------|--|
| Ratio | 22:1 |
| Stroke (double acting) | 3" (7.62 cm) |
| Material Inlet | Follower Plate Mounted |
| Material Outlet | 1/2" NPT(F) |
| Air Inlet (female) | 1/4" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30 -150 (2.1 - 10.3) |
| Fluid Pressure Range psi (bar) | 660 - 3,300 (45.4 - 227.6) |
| Max Cycles/Minute | 120 |
| Displacement/Cycle cu in (cm3) | 1.9 (31.1) |
| Cycles/gal (L) | 121.6 (32.1) |
| Flow @ 60 Cycles gpm (L/min) | .5 (1.9) |
| Noise Level @ 100 psi dBA | 85 |
| Weight* lb (kg) | NM2322F-11-P43 29 (13.2) NM2322F-11-P48 29 (13.2) NM2322F-11-P71 33 (15.0) |

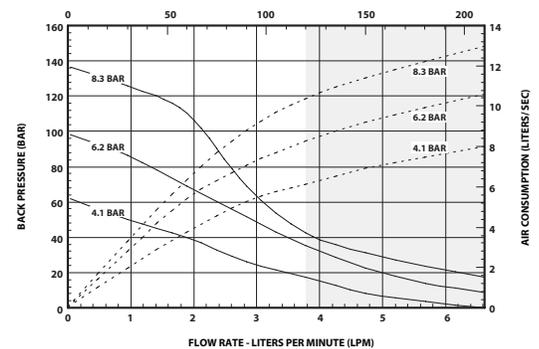
*Estimated weight. Contact Technical Support for exact weight.

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE
CYCLE PER MINUTE (CPM)



NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE
CYCLE PER MINUTE (CPM)



NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

| DIMENSIONS | A in (mm) | B in (mm) | C in (mm) |
|----------------|-------------------|-------------------|------------------|
| NM2322E-11-P4X | 33-23/32" (856.1) | 24-15/32" (620.8) | 14-3/16" (360.5) |
| NM2322E-71-P4X | 42-5/8" (1082.6) | 33-11/32" (846.9) | 14-3/16" (360.5) |
| NM2322F-11-P4X | 33-23/32" (856.1) | 24-15/32" (620.8) | 14-3/16" (360.5) |
| NM2322F-71-P4X | 42-5/8" (1082.6) | 33-11/32" (846.9) | 14-3/16" (360.5) |

| Pump Model | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|--|------------------|------------------------|-----------------------------------|------------------|-------------------------------|------------------|
| Lower Pump Model Material - Stainless Steel | | | | | | |
| NM2322F-11-P43 | 17-4, Stainless* | UHMW-PE PTFE Staggered | UHMW-PE with standard plunger | 67101-P43 | C | 637291-P43 |
| NM2322F-11-P48 | 17-4, Stainless* | UHMW-PE PTFE Staggered | UHMW-PE with alternative piston** | 67101-P48 | C | 637291-P48 |
| NM2322F-71-P43 | 17-4, Stainless* | UHMW-PE PTFE Staggered | UHMW-PE with standard plunger | 67101-P43 | C | 637291-P43 |

*Hard-chrome plated ** Better for fluids containing filler material

Recommended Accessories

| | | | | | |
|------------------------------|---|---|--|--------------------------|---------------------------------|
| | | | | | |
| 62274 Air Line Oil | 66334-B Wet-Sol Packing Lubricant | P39124-600 Piggyback Filter/Regulator | 637316 Universal Air Motor Service Kit | 637134 Adapter | 635040 ARO Stop Valve |

NP322L01-1
Portable Lift ONLY
– Not a Ram



| Packages | | | | | | |
|----------------|--------------------------------|----------------|------------|----------|---|------------------------|
| Model No. | Package Type | Pump Model | Ram Model | Follower | Follower Seal Description | Material |
| NP322L01-1 | 5-Gallon Pail, Cart Mount | NM2322E-11-P43 | 67075-B | 67486-1 | 290mm Single Lip, Polyethylene / Urethane | Carbon steel |
| NP322L02-1 | 5-Gallon Pail, Cart Mount | NM2322F-11-P43 | 67075-B | 67487-1 | 290mm Single Lip, PTFE Coated Nitrile | Stainless steel |
| NP322R03-1 | 55-Gallon Drum, Two-Post Ram | NM2322E-11-P43 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| NP322R03-2 | 55-Gallon Drum, Two-Post Ram | NM2322F-11-P43 | RM552S-C | 66516-6 | Double Lip, Polyurethane | Teflon-coated Aluminum |
| NP322EP43R7-10 | 5-Gallon Drum, Single-Post Ram | NM2322E-11-P43 | RM051S-C-B | 67486-1 | 290mm Single Lip, Polyethylene / Urethane | Carbon steel |
| NP322FP43R7-13 | 5-Gallon Drum, Single-Post Ram | NM2322F-11-P43 | RM051S-C-B | 67487-1 | 290mm Single Lip, PTFE Coated Nitrile | Stainless steel |
| NP322EP43R8-10 | 5-Gallon Drum, Two-Post Ram | NM2322E-11-P43 | RM052S-C | 67486-1 | 290mm Single Lip, Polyethylene / Urethane | Carbon steel |
| NP322FP43R8-13 | 5-Gallon Drum, Two-Post Ram | NM2322F-11-P43 | RM052S-C | 67487-1 | 290mm Single Lip, PTFE Coated Nitrile | Stainless steel |

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),
66541-12 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)



3/8" 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 400 – 1,250 psi (28 – 86 bar) / 5,000 psi (345 bar) max. inlet / carbon steel
651780-B3R-B Regulated 400 – 1,250 psi (28 – 86 bar) / 5,000 psi (345 bar) max. inlet / stainless steel

Reducer Bushings

Connects Pump to 3/8- or 1/2-inch hoses

Y45-306-T 1/2" NPT to 3/8" NPT

Y45-312-T 1" NPT to 1/2" NPT

97141 3/4" NPT to 1/2" NPT



Other Accessories & Repair Kits

| | |
|---------|--|
| 62274 | Air Line Oil |
| 96916 | Standard Air Motor Muffler |
| 66333-B | Wet-Sol (1 Quart) |
| 66353-1 | Stabilizing Bracket |
| 637316 | Air Motor Service Kit |
| 637465 | 5 Gallon Single Post Ram Repair Kit |
| 637472 | 55 Gallon Two Post Ram Repair Kit (RM552S-X / RM552H-X) |
| 67480 | 55 Gallon Two Post Ram Cross Over Kit |
| 67481 | 5 Gallon Two Post Ram Cross Over Kit |
| 67482 | 5 Gallon Single Post Ram Cross Over Kit |
| 67500 | 5 Gallon Two Post Ram Low Level Cut-Off Kit |
| 67502 | 5 Gallon Single Post Ram Low Level Cut-Off Kit |
| 67501 | 55 Gallon Two Post Ram Low Level Cut-Off Kit |
| 67503 | 55 Gallon Drum Hold Down Kit |
| 67134 | Adapter to a 55 Gallon follower plate or 65138 floor stand |

23:1
4-1/4"

**AFX
Series**

AF0423 Series Pumps



(Model shown w/ball valve regulator)

Materials: Caulking, Inks, Mastics, Heavy Lubricants, Sealants

Pump Specifications

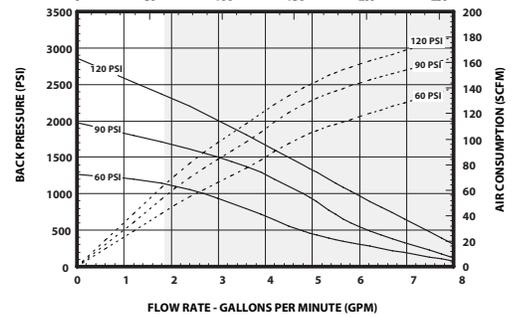
| | |
|------------------------------------|-----------------------|
| Ratio | 23:1 |
| Stroke (double acting) | 6" (15.24 cm) |
| Material Inlet | Flange Mount |
| Material Outlet | 1" NPT(F) |
| Air Inlet (female) | 1/2" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30 -150 (2.1-10.3) |
| Fluid Pressure Range psi (bar) | 690-3690 (47.6-254.5) |
| Max Cycles/Minute | 60 |
| Displacement/Cycle cu in (cm3) | 6.9 (113.0) |
| Cycles/gal (L) | 33.1 (8.8) |
| Flow @ 60 Cycles gpm (L/min) | 1.8 (6.9) |
| Noise Level @ 60 psi dBA | 86.5 |
| Weight* lb (kg) | 63.7 (28.9) |
| Container Suitability | Remote Mounting |

*Estimated weight. Contact Technical Support for exact weight.

DIMENSIONS

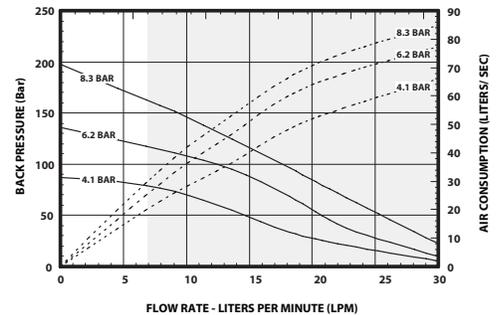
| | |
|------------------------|-----------------|
| A ¹ in (mm) | 54.01 (1371.83) |
| B in (mm) | 30.74 (780.69) |
| C in (mm) | 17.74 (450.49) |

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE
CYCLE PER MINUTE (CPM)



NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE
CYCLE PER MINUTE (CPM)



NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

| Pump Model** | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|---|------------------------------------|--|-----------------------------|------------------|-------------------------------|------------------|
| Lower Pump Material - Carbon Steel, Nickel Plated | | | | | | |
| AF0423S11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 66266-C43-B | A | 637074-C43-B |
| AF0423S11KK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE | Glass Filled PTFE | 66266-343-B | A | 637074-343-B |
| AF0423S11HH47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Leather (Staggered) | UHMW-PE/Leather (Staggered) | 66266-G43-B | A | 637074-G43-B |
| AF0423S11RK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE/ UHMW-PE (Staggered) | Glass Filled PTFE | 66266-R43-B | A | 637074-R43-B |
| Lower Pump Material - Stainless Steel Steel, (AF0423TXXXXXX) | | | | | | |
| AF0423T11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 1380T11FF47 | A | K1380T11FF00 |
| AF0423T11KK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE | Glass Filled PTFE | 1380T11KK47 | A | K1380T11KK00 |
| AF0423T11RK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE/ UHMW-PE (Staggered) | Glass Filled PTFE | 1380T11RK47 | A | K1380T11RK00 |
| AF0423T11SS47 | 17-4 Stainless Steel w/Hard Chrome | Virgin PTFE | Virgin PTFE | 1380T11SS47 | A | K1380T11SS00 |

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

23:1 Ratio Pump Packages



**SPX Series
Single Post Ram**

5
GALLON



**TPX Series
Two Post Ram**

5
GALLON



**TPX Series
Two Post Ram**

55
GALLON

| Packages | | | | | | |
|---------------------------------|--------------------------|---------------|------------|----------|---------------------------------------|---|
| Model No. | Package Type | Pump Model | Ram Model | Follower | Follower Seal Description | Material |
| Carbon Steel Packages | | | | | | |
| SP0423S21FF47E32 | 5 Gallon Single Post Ram | AF0423S11FF47 | RM051S-C-B | 67485-1 | Single Lip, Polyethylene/ Urethane | Carbon Steel, Electroless Nickel Coating |
| TP0423S21FF47E32 | 5 Gallon Two Post Ram | AF0423S11FF47 | RM051S-C-B | 67485-1 | Single Lip, Polyethylene/ Urethane | Carbon Steel, Electroless Nickel Coating |
| TP0423S51FF47AA2 | 55 Gallon Two Post Ram | AF0423S11FF47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0423S51HH47AA2 | 55 Gallon Two Post Ram | AF0423S11HH47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0423S51RK47AA2 | 55 Gallon Two Post Ram | AF0423S11RK47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| Stainless Steel Packages | | | | | | |
| SP0423T21KK47S22 | 5 Gallon Single Post Ram | AF0423T11KK47 | RM051S-C-B | 67536-1 | Single Lip, Polyurethane | Stainless Steel |
| SP0423T21KK47TU2 | 5 Gallon Single Post Ram | AF0423T11KK47 | RM051S-C-B | 67532-1 | Single Tube, EPR | Aluminum w/PTFE Coating |
| TP0423T21KK47S22 | 5 Gallon Two Post Ram | AF0423T11KK47 | RM052S-C | 67536-1 | Single Lip, Polyurethane | Stainless Steel |
| TP0423T21KK47TU2 | 5 Gallon Two Post Ram | AF0423T11KK47 | RM052S-C | 67532-1 | Single Tube, EPR | Aluminum w/PTFE Coating |
| TP0423T51KK47TK2 | 55 Gallon Two Post Ram | AF0423T11KK47 | RM552S-C | 67527-1 | Double Tube, EPR | Screen - Aluminum w/PTFE Coating |
| TP0423T51KK47TL2 | 55 Gallon Two Post Ram | AF0423T11KK47 | RM552S-C | 67527-2 | Double Tube, FDA Neoprene | Screen - Aluminum w/PTFE Coating |

Recommended Accessories



67445-1
Muffler Kit



66334-B
Wet-Sol Packing
Lubricant



23644-400
ARO-Stop
Valve



65138
Floor Mount



67442
Ball Valve
Regulator



637489
Universal Air Motor
Service Kit

23:1

6"

AFX
Series

AF0623 Series Pumps



(Model shown w/ball valve regulator)

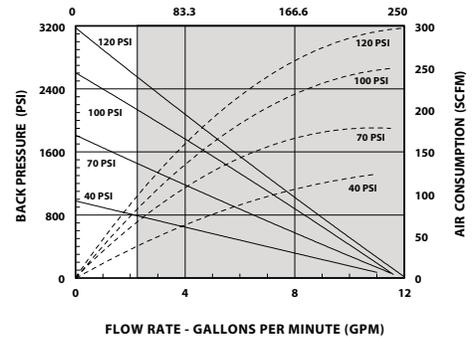
Materials: Caulking, Inks, Mastics, Heavy Lubricants, Sealants**Pump Specifications**

| | |
|---|-----------------------|
| Ratio | 23:1 |
| Stroke (double acting) | 6" (15.24 cm) |
| Material Inlet | Flange Mount |
| Material Outlet | 1" NPT(F) |
| Air Inlet (female) | 1/2" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30-150 (2.1-10.2) |
| Fluid Pressure Range psi (bar) | 690-4215 (47.6-290.7) |
| Max Cycles/Minute | 60 |
| Displacement/Cycle cu in (cm ³) | 12.5 (204.8) |
| Cycles/gal (L) | 18.5 (4.8) |
| Flow @ 60 Cycles gpm (L/min) | 3.2 (12.3) |
| Noise Level @ 60 psi dBA | 84.7 |
| Weight* lb (kg) | 67.3 (30.5) |
| Container Suitability | Remote Mounting |

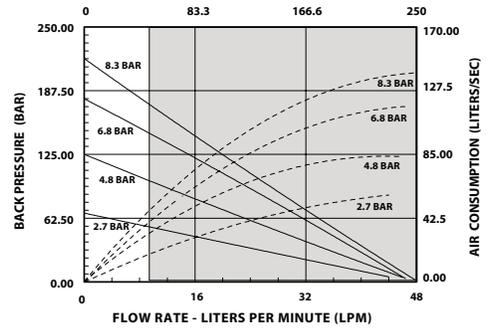
* Estimated weight. Contact Technical Support for exact weight.

DIMENSIONS

| | |
|------------------------|-----------------|
| A ¹ in (mm) | 54.01 (1371.83) |
| B in (mm) | 30.74 (780.69) |
| C in (mm) | 17.74 (450.49) |

¹ For models without ball valve regulator subtract 2.08 in (52.83 mm)PERFORMANCE BASED ON 30wt OIL (100cSt) AT 40° C TEMPERATURE
CYCLE PER MINUTE (CPM)

NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

PERFORMANCE BASED ON 30wt OIL (100cSt) AT 40° C TEMPERATURE
CYCLE PER MINUTE (CPM)

NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

| Pump Model** | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|---|------------------------------------|---------------------------------------|-----------------------------|------------------|-------------------------------|------------------|
| Lower Pump Material - Carbon Steel, Nickel Plated | | | | | | |
| AF0623S11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 66243-C43-B | A | 637071-C43-B |
| AF0623S11KK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE | Glass Filled PTFE | 66243-343-B | A | 637071-343-B |
| AF0623S11HH47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Leather (Staggered) | UHMW-PE/Leather (Staggered) | 66243-C43-B | A | 637071-C43-B |
| AF0623S11HHD7*** | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Leather (Staggered) | UHMW-PE/Leather (Staggered) | 66243-C93-B | A | 637071-C93-B |
| AF0623S11CF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Glass Filled PTFE (Staggered) | UHMW-PE | 66243-P43-B | A | 637071-P43-B |
| AF0623S11RK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE/UHMW-PE (Staggered) | Glass Filled PTFE | 66243-R43-B | A | 637071-R43-B |
| Lower Pump Material - Stainless Steel, (AF0623TXXXXXX) | | | | | | |
| AF0623T11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 1756T11FF47 | A | K1756T11FF00 |
| AF0623T11KK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE | Glass Filled PTFE | 1756T11KK47 | A | K1756T11KK00 |
| AF0623T11RK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE/UHMW-PE (Staggered) | Glass Filled PTFE | 1756T11RK47 | A | K1756T11RK00 |
| AF0623T11SS47 | 17-4 Stainless Steel w/Hard Chrome | Virgin PTFE | Virgin PTFE | 1756T11SS47 | A | K1756T11SS00 |

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

*** High Capacity Solvent Cup w/Multiple Wave Spring

23:1 Ratio Pump Packages



SPX Series
Single Post Ram

5
GALLON



TPX Series
Two Post Ram

5
GALLON



TPX Series
Two Post Ram

55
GALLON

| Packages | | | | | | |
|---------------------------------|--------------------------|---------------|----------------|----------|-----------------------------------|--|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Seal Description | Material |
| Carbon Steel Packages | | | | | | |
| SP0623S21FF47E32 | 5 Gallon Single Post Ram | AF0623S11FF47 | RM051S-C-B | 67485-1 | Single Lip, Polyethylene/Urethane | Carbon Steel, Electroless Nickel Coating |
| SP0623S21RK47EC2 | 5 Gallon Single Post Ram | AF0623S11RK47 | RM051S-C-B | 66732 | Double Lip, Nitrile | Carbon Steel, Electroless Nickel Coating |
| TP0623S21FF47E32 | 5 Gallon Two Post Ram | AF0623S11FF47 | RM052S-C | 67485-1 | Single Lip, Polyethylene/Urethane | Carbon Steel, Electroless Nickel Coating |
| TP0623S51FF47AA2 | 55 Gallon Two Post Ram | AF0623S11FF47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0623S51FF47AN2 | 55 Gallon Two Post Ram | AF0623S11FF47 | RM552S-C | 67195-2 | Double Tube, EPR | Aluminum |
| TP0623S51HH47AA2 | 55 Gallon Two Post Ram | AF0623S11HH47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0623S51GF47AA2 | 55 Gallon Two Post Ram | AF0623S11GF47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| Stainless Steel Packages | | | | | | |
| SP0623T21KK47S22 | 5 Gallon Single Post Ram | AF0623T11KK47 | RM051S-C-B | 67536-1 | Single Lip, Polyurethane | Stainless Steel |
| SP0623T21KK47TU2 | 5 Gallon Single Post Ram | AF0623T11KK47 | RM051S-C-B | 67532-1 | Single Tube, EPR | Aluminum w/PTFE Coating |
| TP0623T21KK47S22 | 5 Gallon Two Post Ram | AF0623T11KK47 | RM052S-C | 67536-1 | Single Lip, Polyurethane | Stainless Steel |
| TP0623T21KK47TU2 | 5 Gallon Two Post Ram | AF0623T11KK47 | RM052S-C | 67532-1 | Single Tube, EPR | Aluminum w/PTFE Coating |
| TP0623T51KK47TK2 | 55 Gallon Two Post Ram | AF0623T11KK47 | RM552S-C | 67527-1 | Double Tube, EPR | Screen - Aluminum w/PTFE Coating |
| TP0623T51KK47TL2 | 55 Gallon Two Post Ram | AF0623T11KK47 | RM552S-C | 67527-2 | Double Tube, FDA Neoprene | Screen - Aluminum w/PTFE Coating |

Recommended Accessories



67445-2
Muffler Kit



66334-B
Wet-Sol Packing
Lubricant



23644-400
ARO-Stop
Valve



65138
Floor Mount



67442
Ball Valve
Regulator



637489
Universal Air Motor
Service Kit

28:1

8"

AFX
Series

AF0828 Series Pumps



(Model shown w/ball valve regulator)

Materials: Caulking, Inks, Mastics,
Heavy Lubricants, Sealants

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) | 3/4" 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 (cm ³) | 20.0 (327.8) |
| Cycles/gal (L) | 11.55 (3.0) |
| Flow @ 70 Cycles gpm (L/min) | 6.1 (22.9) |
| Noise Level @ 60 psi dBA | 86.8 |
| Weight* lb (kg) | 140 (63.5) |
| Container Suitability | Remote Mounting |

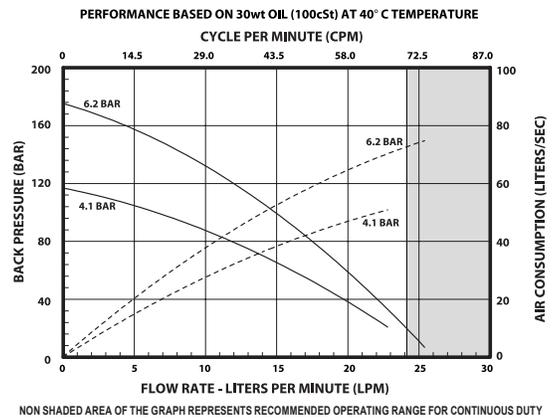
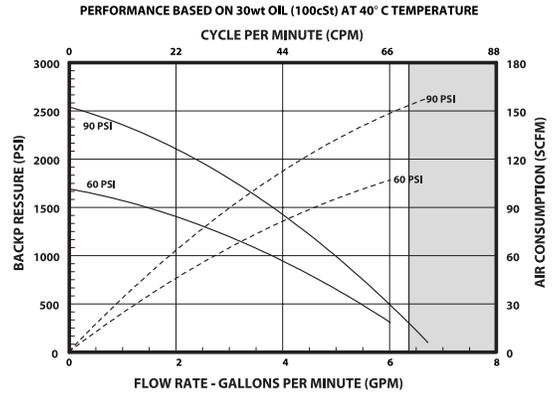
*Estimated weight. Contact Technical Support for exact weight.

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

DIMENSIONS

| | |
|------------------------|-----------------|
| A ¹ in (mm) | 53.46 (1357.88) |
| B in (mm) | 30.41 (772.29) |
| C in (mm) | 19.25 (488.95) |

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



| 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



635043
ARO-Stop
Valve



65139
Floor Mount



67442
Ball Valve
Regulator



637489
Universal Air Motor
Service Kit

28:1 Ratio Pump Packages



TPX Series
Two Post Ram

| Packages | | | | | | |
|------------------|------------------------|---------------|----------------|----------|---------------------------|----------|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Seal Description | Material |
| TP0828S51FF47AA2 | 55 Gallon Two Post Ram | AF0828S11FF47 | 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
651780-C1R-B Regulated 750 – 5,000 psi (52 – 345 bar) / 6,000 psi (414 bar) max. inlet / carbon 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 |
| 637472 | 55 Gallon Two Post Ram Repair Kit (RM552S-X / RM552H-X) |
| 67480 | 55 Gallon Two Post Ram Cross Over Kit |
| 67501 | 55 Gallon Two Post Ram Low Level Cut-Off Kit |
| 67503 | 55 Gallon Drum Hold Down Kit |

30:1

12"

AFX
Series

AF1230 Series Pumps



(Model shown w/ball valve regulator)

Materials: Caulking, Inks, Mastics, Heavy Lubricants, Sealants

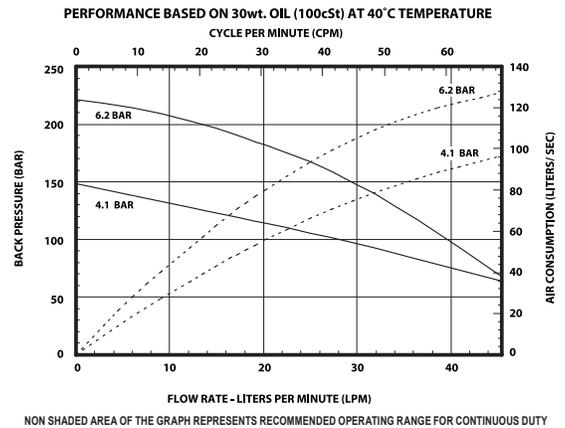
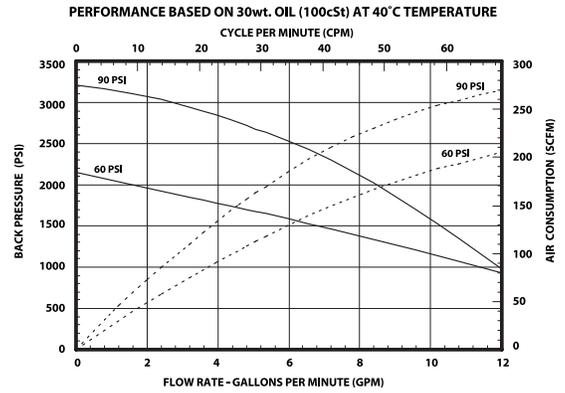
Pump Specifications

| | |
|---|------------------------------|
| Ratio | 30:1 |
| Stroke (double acting) | 6" (15.24 cm) |
| Material Inlet | Bolted Flange |
| 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) | 900 - 3250 (62.1 - 224.1) |
| Max Cycles/Minute | 70 |
| Displacement/Cycle cu in (cm ³) | 40.4 (662.0) |
| Cycles/gal (L) | 5.7 (1.5) |
| Flow @ 70 Cycles gpm (L/min) | 12.2 (46.3) |
| Noise Level @ 60 psi dBA | 93 |
| Weight lb (kg) | 78 (35.42) |
| Container Suitability | Remote Mounting |

DIMENSIONS

| | |
|------------------------|-----------------|
| A ¹ in (mm) | 54.43 (1382.47) |
| 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 Model* | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|--|----------------------------|-----------------------------|----------------|------------------|-------------------------------|------------------|
| Lower Pump Model Material - Carbon Steel, Nickel Plated | | | | | | |
| AF1230S11FF44 | Carbon Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 66236-C4E-B | B | 637128-C44-B |
| AF1230S11HF44 | Carbon Steel w/Hard Chrome | UHMW-PE/Leather (Staggered) | UHMW-PE | 66236-F4E-B | B | 637128-F44-B |
| AF1230S11PF14 | Carbon Steel w/Hard Chrome | Polyurethane | UHMW-PE | 66236-J3E-B | B | 637128-J34-B |

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

Recommended Accessories

| | | | | | |
|------------------------|---|-----------------------------|----------------------|----------------------------------|--|
| | | | | | |
| 67445-5 Muffler Kit | 66334-B Wet-Sol Packing Lubricant | 635043 ARO-Stop Valve | 65139 Floor Mount | 67442 Ball Valve Regulator | 637489 Universal Air Motor Service Kit |

43:1
4-1/4"

**AFX
Series**

AF0443 Series Pumps



(Model shown w/ball valve regulator)

Materials: Caulking, Inks, Mastics,
Heavy Lubricants, Sealants

Pump Specifications

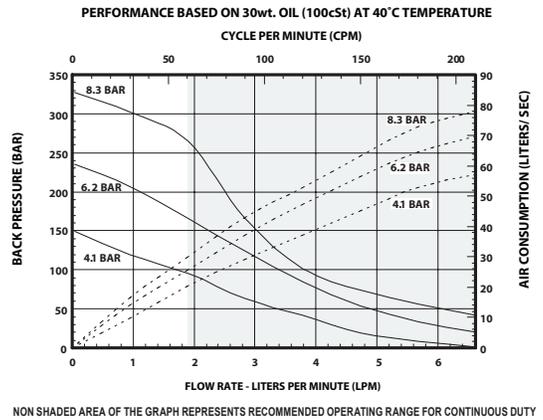
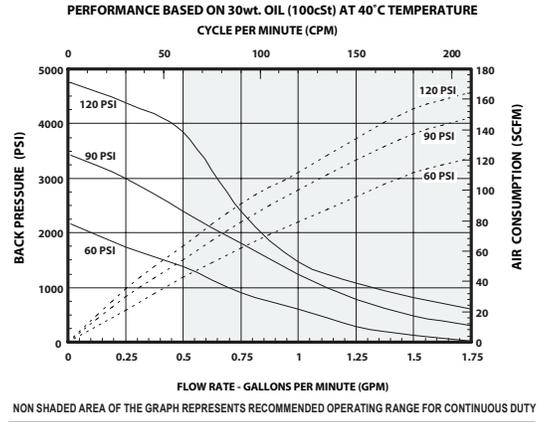
| | |
|------------------------------------|------------------------|
| Ratio | 43:1 |
| Stroke (double acting) | 4" (10.2 cm) |
| Material Inlet | Follower Plate Mounted |
| Material Outlet | 1/2" NPT(F) |
| Air Inlet (female) | 1/2" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30-150 (2.1-10.3) |
| Fluid Pressure Range psi (bar) | 1308-6549 (90.2-451.7) |
| Max Cycles/Minute | 60 |
| Displacement/Cycle cu in (cm3) | 2.85 (46.7) |
| 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.

DIMENSIONS

| | Standard | Ext. Tie Rods |
|------------------------|-----------------|-----------------|
| A ¹ in (mm) | 42.09 (1069.09) | 50.99 (1295.15) |
| 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 Model** | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | 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 | C | 637291-P43 |
| AF0443T21GF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE Glass Filled PTFE (Staggered) | UHMW-PE | 67101-P48 | C | 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 | C | 637290-P43 |
| AF0443S21GF47 | Carbon Steel | UHMW-PE Glass Filled PTFE (Staggered) | UHMW-PE | 67100-P48 | C | 637290-P48 |
| AF0443S71GN47*** | Carbon Steel | UHMW-PE Glass Filled PTFE (Staggered) | UHMW-PE, Hydraulic Gland Type | 67100-P43 | C | 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 | 67134 Floor/Mount Plate Adapter | 67442 Ball Valve Regulator | 637489 Universal Air Motor Service Kit |

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 Seal Description | Material |
| CL0443S21GN47E31 | Cart Mount w/Lift | AF0443S21GN47-1 | 67075-B | 67486-1 | Single Lip, Polyethylene/Urethane | Carbon Steel, Electroless Nickel Coating |
| CL0443T21GN47S31 | Cart Mount w/Lift | AF0443T21GN47-1 | 67075-B | 67487-1 | Single Lip, Polyethylene/Urethane | Stainless Steel |
| Model No. | Package Type | Pump Model | Ram Model | Follower | Follower Seal Description | Material |
| SP0443S21GN47E52 | 5 Gallon Single Post Ram | AF0443S21GN47 | RM051S-C-B | 67486-3 | Single Lip, Nitrile/Polyethylene | Carbon Steel, Electroless Nickel Coating |
| SP0443T21GN47S22 | 5 Gallon Single Post Ram | AF0443T21GN47 | RM051S-C-B | 67487-1 | Single Lip, Urethane/Polyethylene | Stainless Steel |
| TP0443S21GN47E52 | 5 Gallon Two Post Ram | AF0443S21GN47 | RM052S-C | 67486-3 | Single Lip, Nitrile/Polyethylene | Carbon Steel, Electroless Nickel Coating |
| TP0443T21GN47S22 | 5 Gallon Two Post Ram | AF0443T21GN47 | RM052S-C | 67487-1 | Single Lip, Urethane/Polyethylene | Stainless Steel |
| TP0443S21GN47E32 | 5 Gallon Two Post Ram | AF0443S21GN47 | RM052S-C | 67486-1 | 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 |
| 67481 | 5 Gallon Two Post Ram Cross Over Kit |
| 67482 | 5 Gallon Single Post Ram Cross Over Kit |
| 67500 | 5 Gallon Two Post Ram Low Level Cut-Off Kit |
| 67502 | 5 Gallon Single Post Ram Low Level Cut-Off Kit |

44:1

8"

AFX
Series

AF0844 Series Pumps



(Model shown w/ball valve regulator)

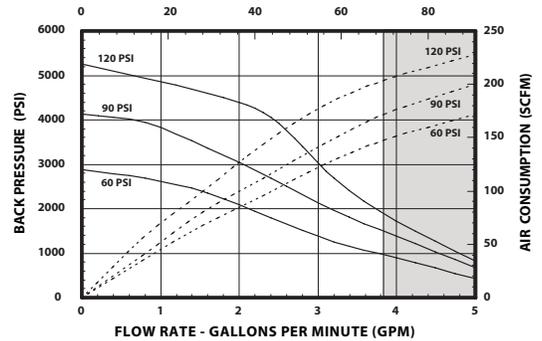
Materials: Caulking, Inks, Mastics,
Heavy Lubricants, Sealants**Pump Specifications**

| | |
|------------------------------------|-------------------------------|
| Ratio | 44:1 |
| Stroke (double acting) | 6" (15.24 cm) |
| Material Inlet | Flange Mount |
| Material Outlet | 1" NPT(F) |
| Air Inlet (female) | 3/4" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30 - 120 (2.1 - 8.3) |
| Fluid Pressure Range psi (bar) | 1320 - 5964 (91.0 - 411.3) |
| Max Cycles/Minute | 70 |
| Displacement/Cycle cu in (cm3) | 12.5 (204.8) |
| Cycles/gal (L) | 18.5 (4.8) |
| Flow @ 70 Cycles gpm (L/min) | 3.8 (14.3) |
| Noise Level @ 60 psi dBA | 86.8 |
| Weight* lb (kg) | 89 (40.4) |
| Container Suitability | Remote Mounting |

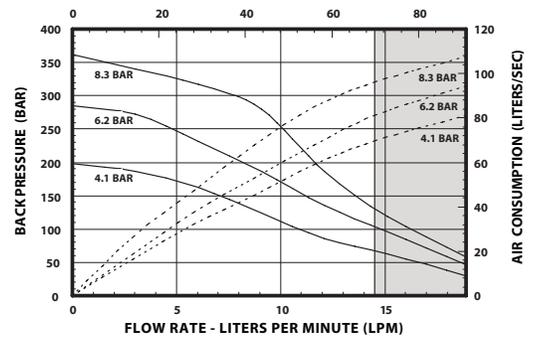
*Estimated weight. Contact Technical Support for exact weight.

DIMENSIONS

| | |
|------------------------|-----------------|
| A ¹ in (mm) | 50.60 (1285.32) |
| B in (mm) | 30.74 (780.8) |
| C in (mm) | 17.74 (450.49) |

¹ For models without ball valve regulator subtract 2.08 in (52.83 mm)**PERFORMANCE BASED ON 30wt OIL (100cSt) AT 40° C TEMPERATURE**
CYCLE PER MINUTE (CPM)

NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

PERFORMANCE BASED ON 30wt OIL (100cSt) AT 40° C TEMPERATURE
CYCLE PER MINUTE (CPM)

NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

| Pump Model** | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|--|------------------------------------|---------------------------------------|-----------------------------|------------------|-------------------------------|------------------|
| Lower Pump Model Material - Carbon Steel, Nickel-Plated | | | | | | |
| AF0844S11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 66243-C4D-B | A | 637071-C43-B |
| AF0844S11HH47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Leather (Staggered) | UHMW-PE/Leather (Staggered) | 66243-G4D-B | A | 637071-G43-B |
| AF0844S11RK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE/UHMW-PE (Staggered) | Glass Filled PTFE | 66243-R4D-B | A | 637071-R43-B |
| Lower Pump Model Material - Stainless Steel,(AF0844TXXXXXX) | | | | | | |
| AF0844T11FF4G | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 1756T11FF4G | A | K1756T11FF00 |
| AF0844T11KK4G | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE | Glass Filled PTFE | 1756T11KK4G | A | K1756T11KK00 |
| AF0844T11RK4G | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE/UHMW-PE (Staggered) | Glass Filled PTFE | 1756T11RK4G | A | K1756T11RK00 |
| AF0844T11SS4G | 17-4 Stainless Steel w/Hard Chrome | Virgin PTFE | Virgin PTFE | 1756T11SS4G | A | K1756T11SS00 |

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

44:1 Ratio Pump Packages



TPX Series
Two Post Ram

5
GALLON



TPX Series
Two Post Ram

55
GALLON



HDX Series
Heavy Duty
Two Post Ram

55
GALLON

| Packages | | | | | | |
|---------------------------------|-----------------------------------|---------------|----------------|----------|-----------------------------------|--|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Seal Description | Material |
| Carbon Steel Packages | | | | | | |
| TP0844S21FF47E32 | 5 Gallon Two Post Ram | AF0844S11FF47 | RM052S-C | 67485-1 | Single Lip, Polyurethane/Urethane | Carbon Steel, Electroless Nickel Coating |
| TP0844S51FF47AA2 | 55 Gallon Two Post Ram | AF0844S11FF47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0844S51FF47AN2 | 55 Gallon Two Post Ram | AF0844S11FF47 | RM552S-C | 67195-2 | Double Tube, EPR | Aluminum |
| TP0844S51HH47AA2 | 55 Gallon Two Post Ram | AF0844S11HH47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0844S51HH47AC2 | 55 Gallon Two Post Ram | AF0844S11HH47 | RM552S-C | 66516 | Double Lip, Nitrile | Aluminum |
| TP0844S51RK47AA2 | 55 Gallon Two Post Ram | AF0844S11RK47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0844S51RK47AC2 | 55 Gallon Two Post Ram | AF0844S11RK47 | RM552S-C | 66516 | Double Lip, Nitrile | Aluminum |
| TP0844S51RK47TA2 | 55 Gallon Two Post Ram | AF0844S11RK47 | RM552S-C | 66516-6 | Double Lip, Polyurethane | Aluminum w/PTFE Coating |
| HD0844S51FF47AN2 | 55 Gallon Heavy Duty Two Post Ram | AF0844S11FF47 | RM552H-C | 67195-2 | Double Tube, EPR | Aluminum |
| Stainless Steel Packages | | | | | | |
| TP0844T21KK4GS22 | 5 Gallon Two Post Ram | AF0844T11KK4G | RM052S-C | 67536-1 | Single Lip, Polyurethane | Stainless Steel |
| TP0844T21KK4GTU2 | 5 Gallon Two Post Ram | AF0844T11KK4G | RM052S-C | 67532-1 | Single Tube, EPR | Aluminum w/PTFE Coating |
| TP0844T51KK4GKT2 | 55 Gallon Two Post Ram | AF0844T11KK4G | RM552S-C | 67527-1 | Double Tube, EPR | Screen - Aluminum w/PTFE Coating |
| TP0844T51KK4GTL2 | 55 Gallon Two Post Ram | AF0844T11KK4G | RM552S-C | 67527-2 | Double Tube, FDA Neoprene | Screen - Aluminum w/PTFE Coating |

Recommended Accessories



67445-3
Muffler Kit



66334-B
Wet-Sol Packing
Lubricant



635043
ARO-Stop
Valve



65138
Floor Mount



67442
Ball Valve
Regulator



637489
Universal Air Motor
Service Kit

44:1

10"

AFX
Series

AF1044 Series Pumps



(Model shown w/ ball valve regulator)

Materials: Caulking, Inks, Mastics,
Heavy Lubricants, Sealants

Pump Specifications

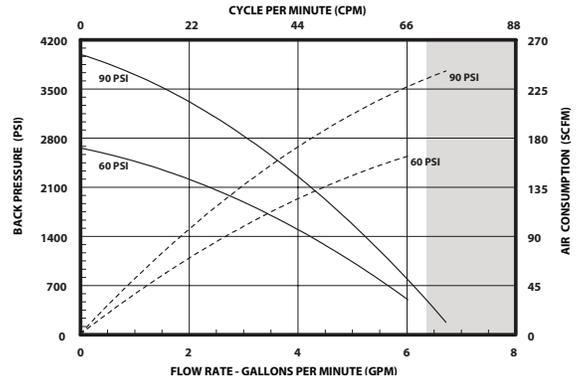
| | |
|------------------------------------|-------------------------------|
| Ratio | 44:1 |
| Stroke (double acting) | 6" (15.24 cm) |
| Material Inlet | Flange Mount |
| Material Outlet | 1-1/4" NPT(F) |
| Air Inlet (female) | 3/4" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30 - 90 (2.1 - 6.2) |
| Fluid Pressure Range psi (bar) | 1320 - 3960 (91.0 - 273.1) |
| Max Cycles/Minute | 70 |
| Displacement/Cycle cu in (cm3) | 20.0 (327.8) |
| Cycles/gal (L) | 11.5 (3.0) |
| Flow @ 70 Cycles gpm (L/min) | 6.1 (22.9) |
| Noise Level @ 60 psi dBA | 89.8 |
| Weight lb (kg) | 64 (29.06) |
| Container Suitability | Remote Mounting |

DIMENSIONS

| | |
|------------------------|-----------------|
| A ¹ in (mm) | 53.43 (1357.12) |
| B in (mm) | 30.38 (771.53) |
| C in (mm) | 19.25 (488.95) |

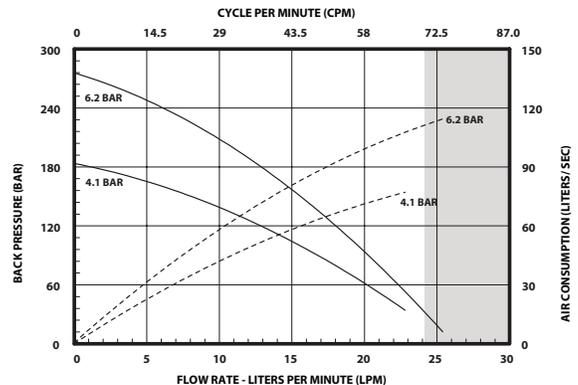
¹ For models without ball valve regulator subtract 2.08 in (52.83 mm)

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE



NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE



NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

| Pump Model* | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|--|-------------------------------------|----------------|----------------|------------------|-------------------------------|------------------|
| Lower Pump Model Material - Carbon Steel, Nickel Plated | | | | | | |
| AF1044S11FF47 | 17-4 Stainless Steel, w/Hard Chrome | UHMW-PE | UHMW-PE | 67300-C4D | B | 637348-C4D |
| AF1044S11PF17 | 17-4 Stainless Steel, w/Hard Chrome | Polyurethane | UHMW-PE | 67300-J3D | B | 637348-J3D |

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

Recommended Accessories



67445-4
Muffler Kit



66334-B
Wet-Sol Packing
Lubricant



635043
ARO-Stop
Valve



65138
Floor Mount



67442
Ball Valve
Regulator



637489
Universal Air Motor
Service Kit

44:1 Ratio Pump Packages



TPX Series
Two Post Ram

55
GALLON

| Packages | | | | | | |
|------------------|-----------------------------------|---------------|----------------|----------|---------------------------|----------|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Seal Description | Material |
| TP1044S51FF47AM2 | 55 Gallon Two Post Ram | AF1044S11FF47 | RM552S-C | 67196-1 | Double Tube, Neoprene | Aluminum |
| TP1044S51FF47AC2 | 55 Gallon Two Post Ram | AF1044S11FF47 | RM552S-C | 66517 | Double Lip, Nitrile | Aluminum |
| HD1044S51FF47AN2 | 55 Gallon Heavy Duty Two Post Ram | AF1044S11FF47 | RM552H-C | 67196-2 | Double Tube, EPR | 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-C1R-B Regulated 750 – 5,000 psi (52 – 345 bar) / 6,000 psi (414 bar) max. inlet / carbon steel

Other Accessories & Repair Kits

| | |
|---------|---|
| 62274 | Air Line Oil |
| 96916 | Standard Air Motor Muffler |
| 66333-B | Wet-Sol (1 Quart) |
| 66354-1 | Stabilizing Bracket |
| 637489 | Universal Air Motor Service Kit |
| 637472 | 55 Gallon Two Post Ram Repair Kit (RM552S-X / RM552H-X) |
| 67480 | 55 Gallon Two Post Ram Cross Over Kit |
| 67501 | 55 Gallon Two Post Ram Low Level Cutt-Off Kit |
| 67503 | 55 Gallon Drum Hold Down Kit |
| 67504 | Heavy Duty (HD) 55 Gallon Drum Hold Down Kit (used with RM552H-C) |

46:1

6"

AFX
Series

AF0646 Series Pumps



(Model shown w/ball valve regulator)

Materials: Caulking, Inks, Mastics,
Heavy Lubricants, Sealants

Pump Specifications

| | |
|------------------------------------|-----------------------------|
| Ratio | 46:1 |
| Stroke (double acting) | 6" (15.24 cm) |
| Material Inlet | Flange Mount |
| Material Outlet | 1" NPT(F) |
| Air Inlet (female) | 1/2" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30-150 (2.1 -10.3) |
| Fluid Pressure Range psi (bar) | 1380 - 7485 (95.1-516.2) |
| Max Cycles/Minute | 60 |
| Displacement/Cycle cu in (cm3) | 6.97 (114) |
| Cycles/gal (L) | 33.1 (8.8) |
| Flow @ 60 Cycles gpm (L/min) | 1.8 (6.9) |
| Noise Level @ 60 psi dBA | 84.7 |
| Weight* lb (kg) | 67 (30.4) |
| Container Suitability | Remote Mounting |

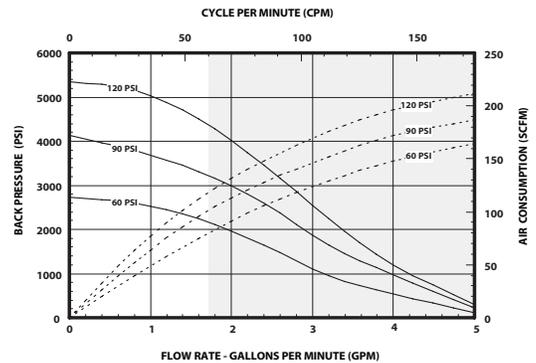
*Estimated weight. Contact Technical Support for exact weight.

DIMENSIONS

| | |
|------------------------|-----------------|
| A ¹ in (mm) | 54.01 (1371.83) |
| B in (mm) | 30.74 (780.69) |
| C in (mm) | 17.74 (450.49) |

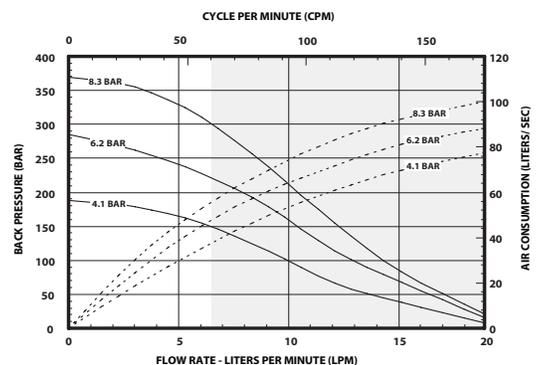
¹For models without ball valve regulator subtract 2.08 in (52.83 mm)

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE



NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

PERFORMANCE BASED ON 30wt. OIL (100cSt) AT 40°C TEMPERATURE



NON SHADED AREA OF THE GRAPH REPRESENTS RECOMMENDED OPERATING RANGE FOR CONTINUOUS DUTY

| Pump Model** | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|---|------------------------------------|---------------------------------------|-----------------------------|------------------|-------------------------------|------------------|
| Lower Pump Material - Carbon Steel, Nickel-Plated | | | | | | |
| AF0646S11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 66266-C43-B | A | 637074-C43-B |
| AF0646S11GF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Glass Filled PTFE (Staggered) | UHMW-PE | 66266-P43-B | A | 637074-P43-B |
| AF0646S11KK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE | Glass Filled PTFE | 66266-343-B | A | 637074-343-B |
| AF0646S11HH47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Leather (Staggered) | UHMW-PE/Leather (Staggered) | 66266-G43-B | A | 637074-G43-B |
| AF0646S11RK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE/UHMW-PE (Staggered) | Glass Filled PTFE | 66266-R43-B | A | 637074-R43-B |
| Lower Pump Material - Stainless Steel, (AF0646TXXXXXX) | | | | | | |
| AF0646T11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 1380T11FF47 | A | K1380T11FF00 |
| AF0646T11KK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE | Glass Filled PTFE | 1380T11KK47 | A | K1380T11KK00 |
| AF0646T11RK47 | 17-4 Stainless Steel w/Hard Chrome | Glass Filled PTFE/UHMW-PE (Staggered) | Glass Filled PTFE | 1380T11RK47 | A | K1380T11RK00 |
| AF0646T11SS47 | 17-4 Stainless Steel w/Hard Chrome | Virgin PTFE | Virgin PTFE | 1380T11SS47 | A | K1380T11SS00 |

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

**AFX
Series**

46:1 Ratio Pump Packages



**SPX Series
Single Post Ram**

5
GALLON



**TPX Series
Two Post Ram**

55
GALLON



**FMX Series
Floor Mount**

BULK

| Packages | | | | | | |
|---------------------------------|--------------------------|-----------------|-----------------|------------|-----------------------------------|--|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Seal Description | Follower Plate Material |
| Carbon Steel Packages | | | | | | |
| SP0646S21FF47E32 | 5 Gallon Single Post Ram | AF0646S11FF47 | RM051S-C-B | 67485-1 | Single Lip, Polyurethane/Urethane | Carbon Steel, Electroless Nickel Coating |
| TP0646S21FF47E32 | 5 Gallon Two Post Ram | AF0646S11FF47 | RM052S-C | 67485-1 | Single Lip, Polyurethane/Urethane | Carbon Steel, Electroless Nickel Coating |
| TP0646S51FF47AA2 | 55 Gallon Two Post Ram | AF0646S11FF47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0646S51GF47AA2 | 55 Gallon Two Post Ram | AF0646S11GF47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0646S51KK47AA2 | 55 Gallon Two Post Ram | AF0646S11KK47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0646S51KK47TA2 | 55 Gallon Two Post Ram | AF0646S11KK47 | RM552S-C | 66516-6 | Double Lip, Polyurethane | Aluminum w/PTFE Coating |
| TP0646S51HH47AA2 | 55 Gallon Two Post Ram | AF0646S11HH47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0646S51RK47AA2 | 55 Gallon Two Post Ram | AF0646S11RK47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| Model No. | Package Type | Pump Model | Floor Mount Kit | Ball Valve | Material Supply Hose | Material Hose w/Fittings |
| FM0646S11GF47001 | Floor Mount | AF0646S11GF47-1 | 65138 | 67073 | 628088-7 | 628089-6 |
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Seal Description | Follower Plate Material |
| Stainless Steel Packages | | | | | | |
| SP0646T21KK47S22 | 5 Gallon Single Post Ram | AF0646T11KK47 | RM051S-C-B | 67536-1 | Single Lip, Polyurethane | Stainless Steel |
| SP0646T21KK47TU2 | 5 Gallon Single Post Ram | AF0646T11KK47 | RM051S-C-B | 67532-1 | Single Tube, EPR | Aluminum w/PTFE Coating |
| TP0646T21KK47S22 | 5 Gallon Two Post Ram | AF0646T11KK47 | RM052S-C | 67536-1 | Single Lip, Polyurethane | Stainless Steel |
| TP0646T21KK47TU2 | 5 Gallon Two Post Ram | AF0646T11KK47 | RM052S-C | 67532-1 | Single Tube, EPR | Aluminum w/PTFE Coating |
| TP0646T51KK47TK2 | 55 Gallon Two Post Ram | AF0646T11KK47 | RM552S-C | 67527-1 | Double Tube, EPR | Screen - Aluminum w/PTFE Coating |
| TP0646T51KK47TL2 | 55 Gallon Two Post Ram | AF0646T11KK47 | RM552S-C | 67527-2 | Double Tube, FDA Neoprene | Screen - Aluminum w/PTFE Coating |

Recommended Accessories



67445-2
Muffler Kit



66334-B
Wet-Sol Packing
Lubricant



23644-400
ARO-Stop
Valve



65138
Floor Mount



67442
Ball Valve
Regulator



637489
Universal Air Motor
Service Kit

65:1

6"

AFX
Series

AF0665 Series Pumps



(Model shown w/ball valve regulator)

Materials: Caulking, Inks, Mastics,
Heavy Lubricants, Sealants

Pump Specifications

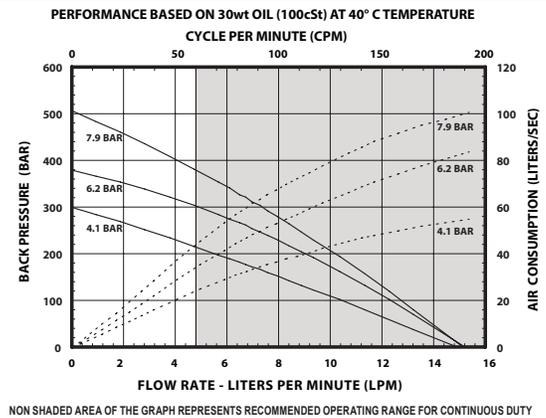
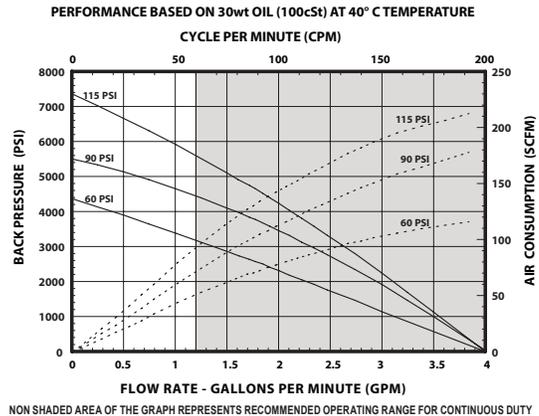
| | |
|---|--------------------------------|
| Ratio | 65:1 |
| Stroke (double acting) | 6" (15.24 cm) |
| Material Inlet | Flange Mount |
| Material Outlet | 3/4" NPT(F) |
| Air Inlet (female) | 1/2" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30-115 (2.1-7.9) |
| Fluid Pressure Range psi (bar) | 1950 - 7475 (134.5 - 515.5) |
| Max Cycles/Minute | 60 |
| Displacement/Cycle cu in (cm ³) | 5.2 (84.6) |
| Cycles/gal (L) | 44.8 (11.9) |
| Flow @ 60 Cycles gpm (L/min) | 1.3 (5.1) |
| Noise Level @ 60 psi dBA | 84.7 |
| Weight* lb (kg) | 67 (30.4) |
| Container Suitability | Remote Mounting |

*Estimated weight. Contact Technical Support for exact weight.

DIMENSIONS

| | |
|------------------------|-----------------|
| A ¹ in (mm) | 54.01 (1371.83) |
| B in (mm) | 30.74 (780.69) |
| C in (mm) | 17.74 (450.49) |

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



| Pump Model** | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|---|------------------------------------|---|----------------|------------------|-------------------------------|------------------|
| Lower Pump Material - Carbon Steel, Nickel-Plated | | | | | | |
| AF0665S11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 67348-C43 | A | 637464-C43 |
| AF0665S11GF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE/Mineral Filled PTFE (Staggered) | UHMW-PE | 67348-P43 | A | 637464-P43 |

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

Recommended Accessories



67445-2
Muffler Kit



66334-B
Wet-Sol Packing
Lubricant



23644-400
ARO-Stop
Valve



65138
Floor Mount



67442
Ball Valve
Regulator



637489
Universal Air Motor
Service Kit

AFX Series



SPX Series
Single Post Ram



TPX Series
Two Post Ram



TPX Series
Two Post Ram



| Packages | | | | | | |
|------------------|--------------------------|---------------|----------------|----------|-----------------------------------|--|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Seal Description | Material |
| SP0665S21FF47A72 | 5 Gallon Single Post Ram | AF0665S11FF47 | RM051S-C-B | 67347-2 | Single Tube, EPR | Aluminum |
| SP0665S21FF47A82 | 5 Gallon Single Post Ram | AF0665S11FF47 | RM051S-C-B | 67347-1 | Single Tube, Neoprene | Aluminum |
| SP0665S21FF47E32 | 5 Gallon Single Post Ram | AF0665S11FF47 | RM051S-C-B | 67485-1 | Single Lip, Polyurethane/Urethane | Carbon Steel, Electroless Nickel Coating |
| SP0665S21FF47EA2 | 5 Gallon Single Post Ram | AF0665S11FF47 | RM051S-C-B | 66732-1 | Double Lip, Polyurethane | Carbon Steel, Electroless Nickel Coating |
| TP0665S21FF47E32 | 5 Gallon Two Post Ram | AF0665S11FF47 | RM052S-C | 67485-1 | Single Lip, Polyurethane/Urethane | Carbon Steel, Electroless Nickel Coating |
| TP0665S21FF47EA2 | 5 Gallon Two Post Ram | AF0665S11FF47 | RM052S-C | 66732-1 | Double Lip, Polyurethane | Carbon Steel, Electroless Nickel Coating |
| TP0665S21FF47A72 | 5 Gallon Two Post Ram | AF0665S11FF47 | RM052S-C | 67347-2 | Single Tube, EPR | Aluminum |
| TP0665S21FF47A82 | 5 Gallon Two Post Ram | AF0665S11FF47 | RM052S-C | 67347-1 | Single Tube, Neoprene | Aluminum |
| TP0665S51FF47AA2 | 55 Gallon Two Post Ram | AF0665S11FF47 | RM552S-C | 66516-1 | Double Lip, Polyurethane | Aluminum |
| TP0665S51FF47AC2 | 55 Gallon Two Post Ram | AF0665S11FF47 | RM552S-C | 66516 | Double Lip, Nitrile | Aluminum |
| TP0665S51FF47AM2 | 55 Gallon Two Post Ram | AF0665S11FF47 | RM552S-C | 67195-1 | Double Tube, Neoprene | Aluminum |
| TP0665S51FF47AN2 | 55 Gallon Two Post Ram | AF0665S11FF47 | RM552S-C | 67195-2 | Double Tube, EPR | Aluminum |
| TP0665S51GF47AN2 | 55 Gallon Two Post Ram | AF0665S11GF47 | RM552S-C | 67195-2 | Double Tube, EPR | 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

1/2" 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) |
| 66354-1 | Stabilizing Bracket |
| 637489 | Universal Air Motor Service Kit |
| 637465 | 5 Gallon Single Post Ram Repair Kit |
| 637466 | 5 Gallon Two Post Ram Repair Kit |
| 637472 | 55 Gallon Two Post Ram Repair Kit (RM552S-X / RM552H-X) |
| 67480 | 55 Gallon Two Post Ram Cross Over Kit |
| 67481 | 5 Gallon Two Post Ram Cross Over Kit |
| 67482 | 5 Gallon Single Post Ram Cross Over Kit |
| 67500 | 5 Gallon Two Post Ram Low Level Cut-Off Kit |
| 67501 | 55 Gallon Two Post Ram Low Level Cut-Off Kit |
| 67502 | 5 Gallon Single Post Ram Low Level Cut-Off Kit |
| 67503 | 55 Gallon Drum Hold Down Kit |

65:1

12"

AFX
Series

AF1265 Series Pumps



Materials: Caulking, Inks, Mastics,
Heavy Lubricants, Sealants

Pump Specifications

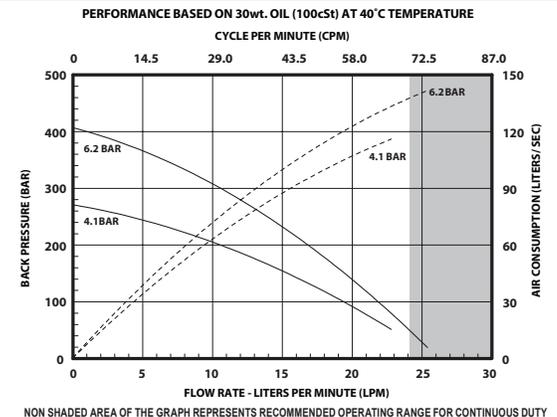
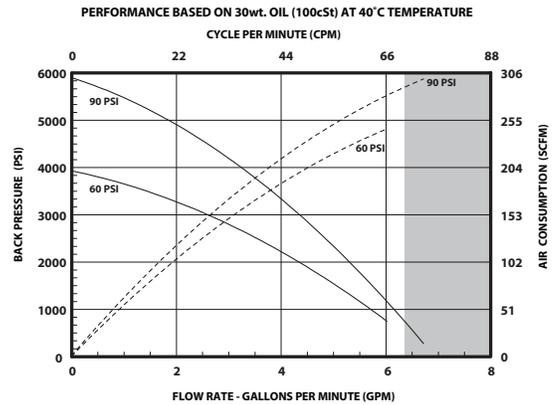
| | |
|---------------------------------------|--------------------------------|
| Ratio | 65:1 |
| Stroke (double acting) | 6" (15.24 cm) |
| Material Inlet | Flange Mount |
| Material Outlet | 1-1/4" NPT(F) |
| Air Inlet (female) | 3/4" NPT(F) |
| Air Inlet Pressure Range psi (bar) | 30 - 90 (2.1 - 6.2) |
| Fluid Pressure Range psi (bar) | 1950 - 5850 (134.5 - 403.4) |
| Max Cycles/Minute | 70 |
| Displacement/Cycle cu in (cm3) | 20.0 (327.8) |
| Cycles/gal (L) | 11.5 (3.0) |
| Flow @ 70 Cycles gpm (L/min) | 6.1 (22.9) |
| Noise Level @ 60 psi dBA | 93 |
| Weight* lb (kg) | 165 (74.8) |
| Container Suitability | Remote Mounting |

*Estimated weight. Contact Technical Support for exact weight.

DIMENSIONS

| | |
|------------------------|-----------------|
| A ¹ in (mm) | 53.46 (1357.88) |
| B in (mm) | 30.38 (771.65) |
| C in (mm) | 19.25 (488.95) |

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



| Pump Model** | Plunger Material | Upper Packings | Lower Packings | Lower Pump Model | Lower Pump Mounting Footprint | Pump Service Kit |
|---|------------------------------------|----------------|----------------|------------------|-------------------------------|------------------|
| Lower Pump Model Material - Carbon Steel, Nickel Plated | | | | | | |
| AF1265S11PF17 | 17-4 Stainless Steel w/Hard Chrome | Polyurethane | UHMW-PE | 67300-J3D | B | 637348-J3D |
| AF1265S11FF47 | 17-4 Stainless Steel w/Hard Chrome | UHMW-PE | UHMW-PE | 67300-C4D | B | 637348-C4D |

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

Recommended Accessories



67445-5
Muffler Kit



66334-B
Wet-Sol Packing
Lubricant



635043
ARO-Stop
Valve



65139
Floor Mount



67442
Ball Valve
Regulator



637489
Universal Air Motor
Service Kit

65:1 Ratio Pump Packages



TPX Series
Two Post Ram

55
GALLON

| Packages | | | | | | |
|------------------|------------------------|---------------|----------------|----------|---------------------------|----------|
| Model No. | Package Type | Pump Model | Ram/Lift Model | Follower | Follower Seal Description | Material |
| TP1265S51PF17AA2 | 55 Gallon Two Post Ram | AF1265S11PF17 | RM552S-C | 66517-1 | Double Lip, Polyurethane | Aluminum |
| TP1265S51FF47AN2 | 55 Gallon Two Post Ram | AF1265S11FF47 | RM552S-C | 67196-2 | Double Tube, EPR | 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-C1R-B Regulated 750 – 5,000 psi (52 – 345 bar) / 6,000 psi (414 bar) max. inlet / carbon steel

Other Accessories & Repair Kits

| | |
|---------|---|
| 62274 | Air Line Oil |
| 96916 | Standard Air Motor Muffler |
| 66333-B | Wet-Sol (1 Quart) |
| 66354-1 | Stabilizing Bracket |
| 637489 | Universal Air Motor Service Kit |
| 637472 | 55 Gallon Two Post Ram Repair Kit (RM552S-X / RM552H-X) |
| 67480 | 55 Gallon Two Post Ram Cross Over Kit |
| 67501 | 55 Gallon Two Post Ram Low Level Cut-Off Kit |
| 67503 | 55 Gallon Drum Hold Down Kit |

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