

# Model IP-02S

## Air Operated Fluid Pump



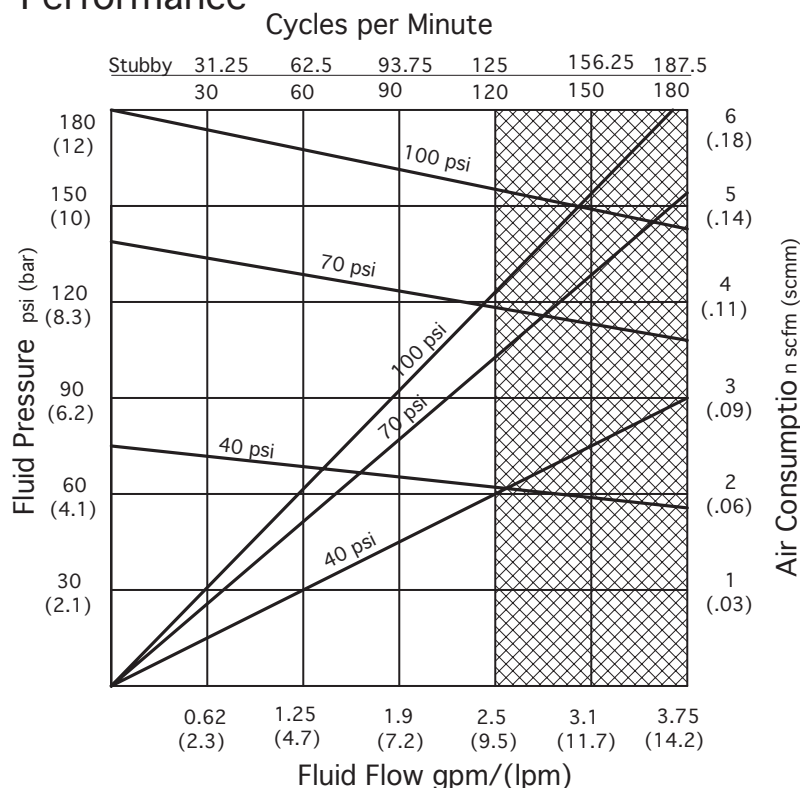
Stubby Length

Form #IP 103 06/08

### Technical Specifications

Fluid Ratio..... 2:1  
 Max. Output Flow..... 2.5 gpm (9.5 lpm)  
 Max. Output Flow..... 2.0 gpm (7.6 lpm)  
 Maximum Output Pressure..... 360 psi (24.8 bar)  
 Maximum Air Input Pressure..... 180 psi (12.4 bar)  
 Air Inlet Port..... 1/4 npt(f)  
 Fluid Outlet Port..... 3/4 npt(f)  
 Fluid Inlet Port..... 3/4 npt (f)  
 Rod & Piston Packings..... Teflon®  
 Other Seals..... Viton®  
 Rod & Cylinder..... Carbon Steel or Stainless Steel  
 Other Wetted Parts..... Carbon Steel or Stainless Steel  
 Weight..... 11.5 lbs. (5.2 Kg.)  
 Package Dimensions & Weight:  
 IP-02S...4"x4"x35" (102mm x 102mm x 889mm) 16 lbs. (7.26 Kg.)

### Performance



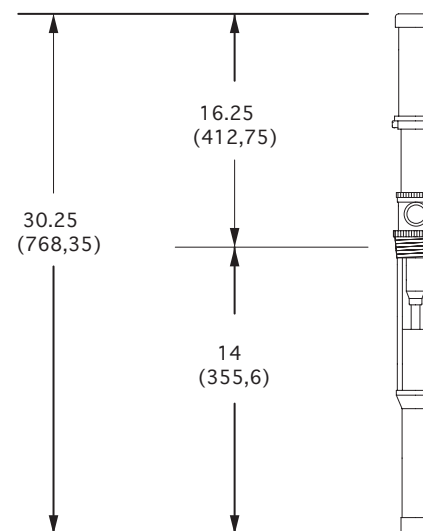
### Model Numbers

Bare Stubby: IP-02S, IP-02S-SST  
 Bung Adapter: 02-990-359A

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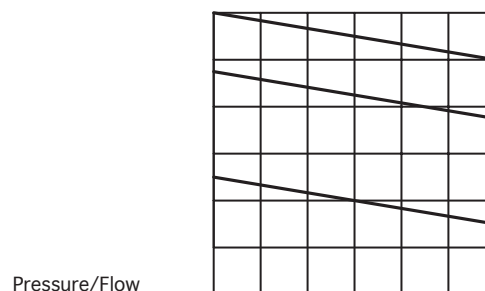
IPF 103A 06/08

### Dimensions



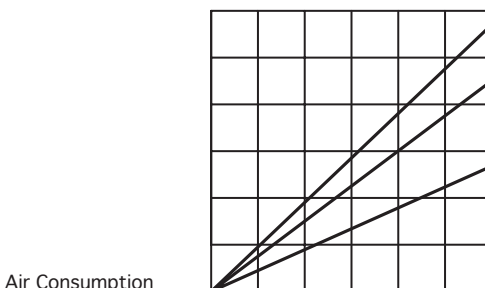
Dimensions are  
inches (millimeters)

### How to Read Performance



Pressure/Flow

1. Locate required flow along bottom edge of chart.
2. Follow vertically to bold line for input air pressure.
3. Follow horizontally to left edge of chart to read maximum available fluid pressure.



Air Consumption

1. Locate fluid flow along bottom edge of chart.
2. Follow vertically to bold line for input air pressure.
3. Follow horizontally to right edge of chart to read air consumption.

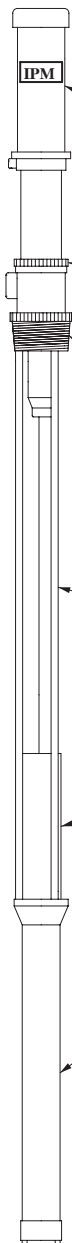
# 100 Series 2:1

## Air Operated Fluid Pump



Divorced Design

IPM's 100 Series 2:1 is designed specifically for difficult to handle materials. The immersed lower pump, tie-tubes, and sealing bung bushing allow quick drum change without exposing the system to contamination and moisture.



- Carbon steel or stainless steel construction for economy and durability
- Teflon® packings and Viton® seals for material compatibility

Piston style air motor allows compact pump design, best suited for use as a drum transfer pump.

Rotatable air motor coupling allows air inlet and fluid outlet to be oriented to any position.

Recirculation fitting to allow material to be returned to drum. Can be used to pressurize the drum.

Separable bung bushing allows fast slip-in/slip-out drum change. Bushing is not a part of the pump. No need to disconnect hoses and rotate pump. Sealed design provides moisture barrier.

"Tie-Tube" design allows above-the-drum fluid outlet with immersed lower pump.

Full length wet cup prevents material from hardening on rod stroke area while changing drums. Extends seal life.

Immersed lower pump assembly maintains wetted rod and seal area, preventing material from hardening. Extends rod and seal life.

### Typical Fluids Handled

- Isocyanates
- Polyureas
- Polyols
- Enamels
- Waterbornes
- Acid Catalyzed Finishes

### Typical Applications

- SPF Insulation
- Aerospace
- Wood Furniture
- Automotive
- Transportation
- Sporting Goods



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