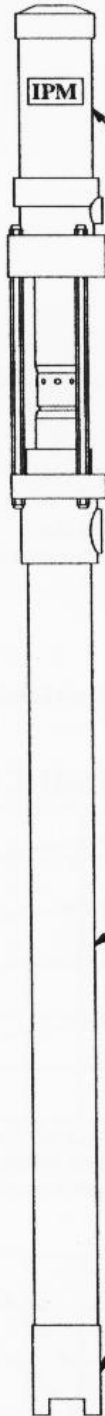




100 Series 1:1

Air Operated Fluid Pump

IPM's 100 Series 1:1 is a general purpose transfer pump designed for use with a wide variety of materials. The air driven motor is capable of stalling against pressure in order to maintain positive system pressure.



- Carbon 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.

Metal air motor and fluid housings provide more durable port threads, resist cross-threading..

Modular, two-piece construction allows fast service without the need to disassemble the entire pump assembly.

In-the-drum pump tube positions the pumping piston at or below the surface of the material being pumped.
Result: better suction characteristics, more complete filling.

Ball check foot valve provides superior operation especially with gritty or contaminated materials, delivers longer life and higher pressure operation.

Typical Fluids Handled

- Isocyanates
- Polyols
- Enamels
- Waterbornes
- Acid Catylyzed Finishes

Typical Applications

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



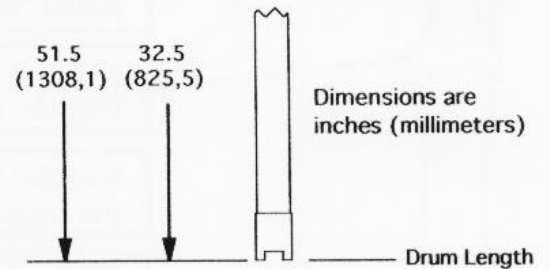
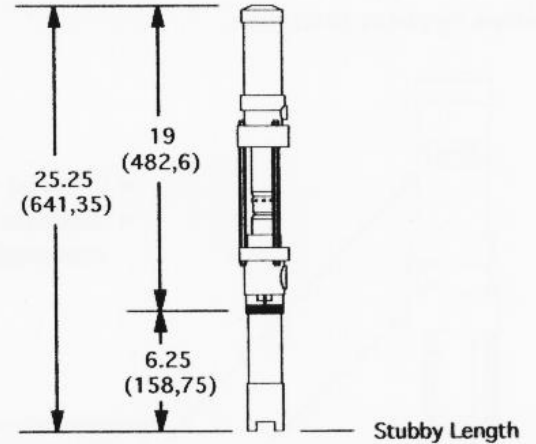
100 Series 1:1 Air Operated Fluid Pump



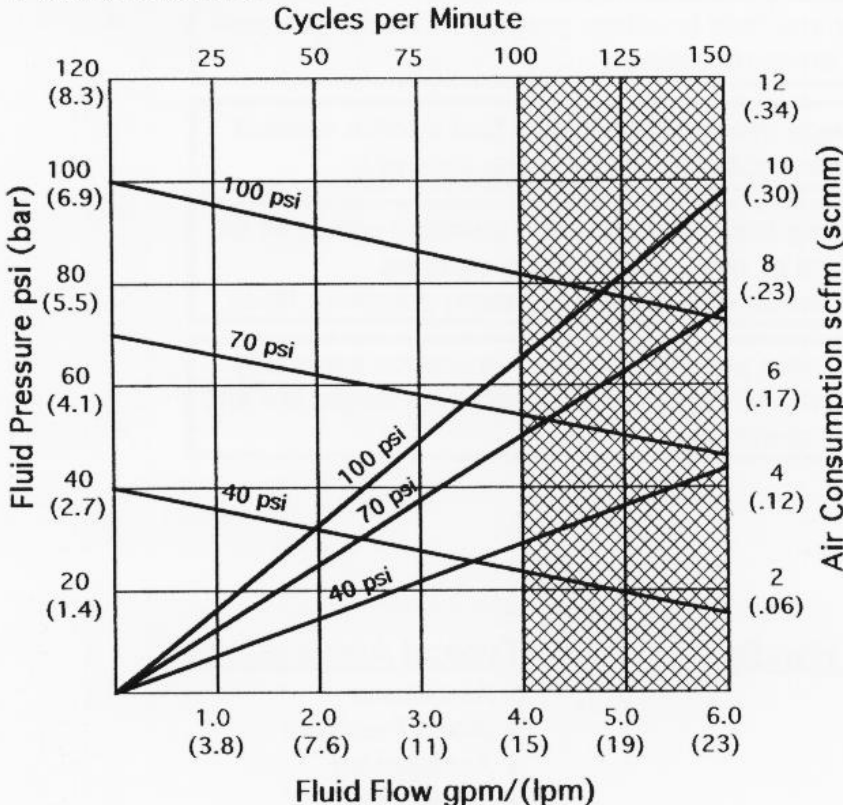
Technical Specifications

Fluid Ratio.....	1:1
Max. Output Flow (intermittent).....	6.0 gpm (23.0 lpm)
Max. Output Flow (continuous).....	4.0 gpm (15.0 lpm)
Maximum Output Pressure.....	180 psi (12.4 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.....	1 1/2 npt (f)
Rod & Piston Packings.....	Teflon®
Other Seals.....	Viton®
Rod & Cylinder.....	Carbon Steel
Other Wetted Parts.....	Carbon Steel
Weight stubby/drum.....	11 lbs. (4.9 Kg.)/14.3 lbs. (6.5 Kg.)

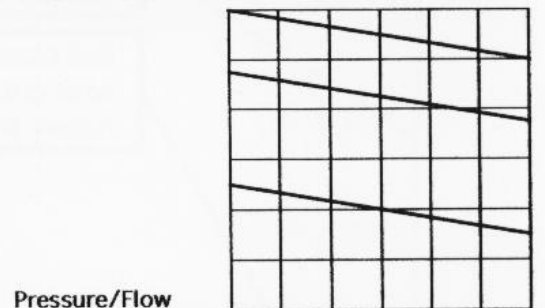
Dimensions



Performance



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.

Model Numbers

Bare Stubby: IP-01S
 Bare Drum: IP-01
 Bung Adapter*: 01-214-583

*One supplied with pump. Adapters have internal seal to allow nitrogen blanket or prevent moisture contamination.