

# DOUBLE DIAPHRAGM PUMP 307 POLY

Product group: **422**      Product number: **604918**

Designed to operate at low air pressure while delivering a smooth, reliable flow. Model 307 pumps are ideal for transferring a wide variety of fluids.

## Product information

This pump is designed to operate at low air pressure while delivering a smooth, reliable flow. Model 307 pumps are ideal for transferring a wide variety of fluids. The air motor body is constructed of polypropylene and stainless steel to resist external corrosion. This polypropylene wetted construction model is with Teflon diaphragms and ball checks, suitable for most chemicals including acids and caustic fluids.



### Typical applications

- Sampling and testing
- Drum transfer for fluids up to 1000 centipoise
- Circulation of low viscosity inks, detergents and chemicals
- Fluid circulation and evacuation
- Waste fluid removal
- On-demand batch chemical metering
- Low viscosity adhesive supply
- Consistent low pressure process fluid supply

### Typical fluids handled by this pump:

- Acids: Hydrochloric Sulphuric, Phosphoric
- Bleach: Sodium Hypochlorite (<12%)
- Base: Sodium Hydroxide, Ammonia, Hydrogen peroxide, Potassium hydroxide

### Features

- Easy maintenance
- Fluid compatibility
- Unique, patented air valves
- Precision-fitted parts

### Benefits

- Quick priming and immediate flow of product
- Handles fluid viscosities up to 5000 cps and solids up to 0.09 in (2.29 mm)
- Excellent for abrasive, low-to-medium viscosity fluids and shear sensitive materials

## Specification

### General

Invent Hazard Material (IMO/IU) classification	NA
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### Dimensions/Weight

Height [mm]	206
Length	203
Pumpable solid size [mm]	1.6 maximum
Suction height	3.7
Weight [kg]	2.2
Width [mm]	135

### Technical data

Air consumption [m³/min]	0,156 maximum
Air inlet connection [inch]	1/4 NPT
Air pressure [bar]	1.4 - 7 working range
Fluid inlet connection [inch]	3/8 NPT
Operating fluid pressure [bar]	7 maximum
Operating temperature [°C]	4,4 - 65,5 range
Suction lift [m]	3.7 maximum

### Performance data

Flow capacity [l/min]	24.6 maximum
Pump Speed [cpm]	330 maximum

Documents

SDoC and MD for IHM

Related products

Accessories

- 191874**  
20 UPMPLUG 1/4" MALE BSP.T
- 671750**  
AIR HOSE 3/8",RUBBER,50 MTR COIL
- 607832**  
FLUID SECTION REPAIR KIT F/MOD. 307
- 607833**  
AIR VALVE KIT
- 607830**  
STAINLESS NIPPLE F/307
- 191684**  
30 USH SOCKET 3/8" HOSE

Is frequently bought together with

- 905034**  
OXYGEN O-40 FILLING
- 905026**  
ACETYLENE A-40 FILLING
- 752154**  
REFRIGERATION HANDY TOOLS CASE
- 652522**  
REFRIGERANT RECOVERY PACKAGE F/220V
- 607439**  
SAFETY SHOVEL