

Sethco

P90 DRUM PUMP

FOR SAFE AND FAST
TRANSFER OF CHEMICALS

- ▶ Corrosive Liquids
- ▶ Agricultural Chemicals
- ▶ Water Treatment Chemicals
- ▶ AdBlue/DEF transfer
- ▶ Acids
- ▶ Alkalies

- ▶ SEALLESS
- ▶ EMPTIES 205 LITRE DRUMS IN
LESS THAN 2 MINUTES
- ▶ SELF PRIMING
- ▶ HIGH POWER DOUBLE INSULATED
525 WATT MOTOR
- ▶ EASY MAINTENANCE, FIELD
REPAIRABLE
- ▶ ONE PIECE TUBE INSURES SAFE,
LEAKPROOF OPERATION
- ▶ CHOICE OF POLYPROPYLENE,
KYNAR®, OR STAINLESS STEEL PUMPS



SETHCO MODEL P-90 DRUM PUMP

THE RIGHT CHOICE FOR TRANSFERRING CORROSIVE LIQUIDS FROM CARBOYS, DRUMS, VATS, TANKS OR ANY OTHER CONTAINER

PUMP TUBE FEATURES:

- ▶ **Polypropylene, Kynar or stainless steel pump construction**

Choose from 3 materials of construction to transfer most corrosive liquids.

- ▶ **Sealless construction**

Eliminates the major cause of pump failure.

- ▶ **1.66" (42mm) tube diameter**

Designed to fit any bung to empty any drum or carboy around the world.

- ▶ **More effective vapor seal**

- ▶ **High quality design**

One piece tube construction, fewer pump parts and bearing cup ensure reliability and extends pump life.

- ▶ **Self priming**

A flip of the switch and pumping action begins immediately.

- ▶ **Quick draining**

Pump drains quickly when removed from liquid.

- ▶ **Wide vane axial impeller**

Efficiently moves high viscosity and specific gravity liquids up to 4000 ssu.

- ▶ **High flow**

Empties a 205 litre drum in less than 2 minutes.

- ▶ **Easy to maintain**

Bearing cup design allows fast, inexpensive, easy to do repairs. No special tools needed.



MOTOR FEATURES:

- ▶ **High power, double insulated 525 watt motor**

Protected in a corrosion resistant, high-strength, impact resistant case.

- ▶ **Large handle grip**

Ensures grasp when wearing bulky safety rubber gloves.

- ▶ **Impact resistant housing**

Holds up to rough handling.

- ▶ **4.5m cord**

Motor is equipped with a heavy duty oil and acid resistant electrical cord and plug.

- ▶ **On/Off switch with safety reset circuit breaker**

Unlike hazardous automatic restart units, the motor will not restart until on/off switch resets the circuit breaker.

- ▶ **Multiple Drum rated**

The powerful electric motor will pump liquids drum after drum without overloading the motor, even when pumping high specific gravity solutions.

- ▶ **Air motors available**

- ▶ **Lightweight**

Weighs only 4.1kg.

SELECT FROM HIGH POWER INTERCHANGEABLE MOTORS

HIGH-POWER DOUBLE INSULATED 525 WATT MOTOR

Lightweight, impact resistant and easy to handle, this motor is the most widely used. Select this motor when transferring liquids that are non-hazardous. Can be used with any P90 pump tube.

THREE INTERCHANGEABLE PUMP TUBE ASSEMBLIES

POLYPROPYLENE

Economical and Dependable

Wetted Parts

Polypropylene, Hastelloy C®, Tefzel®, Viton®, Kynar®.

Typical Applications

Hydrochloric acid, sulfuric acid, nitric acid, most electroplating solutions mild alkaline solutions, chromic acid and other non flammable solutions.

Temperature Limits

32° to 130°F (0° to 55°C)

STAINLESS STEEL

Heavy Duty design for extended life

Wetted Parts

Stainless Steel, Teflon®, Kynar®.

Typical Applications

Alkalies, aqueous caustic, light oils, and solvents. (non-flammable)

Temperature Limits

0° to 250°F (-18° to 121°C)

KYNAR®

Superior corrosion resistance, withstands higher temperature.

Wetted Parts

Kynar®, Hastelloy C, Tefzel®, Viton®.

Typical Applications

Strong mineral and oxidizing acids, alkalies, metal etchants, chlorine, aqueous caustic, organic and nonflammable solvents.

Temperature Limits

0° to 250° F (-18° to 121°C)

AIR MOTOR

Can be used in place of electric motor when desired. Completely interchangeable on any P90 pump.

75cm, 101cm, 127cm, 152cm Standard Pump Tube Lengths



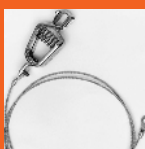
Bottom inlet Strainer

Fits over pump tube to prevent debris from entering pump. Stainless steel pump tube has builtin strainer.



Bung Adapter

Holds pump tube securely in the bung opening (optional).



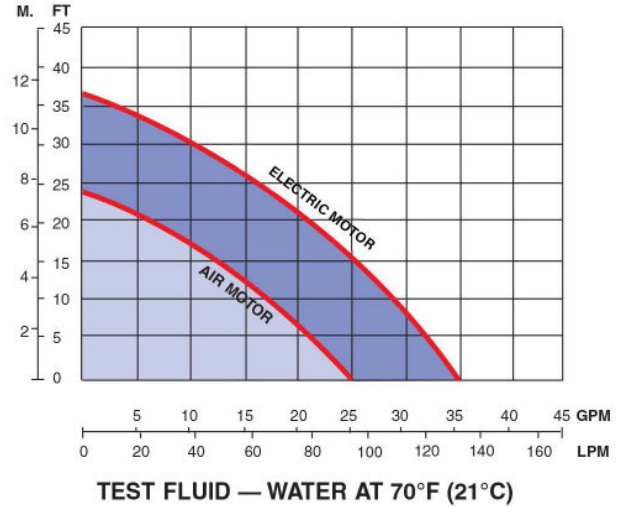
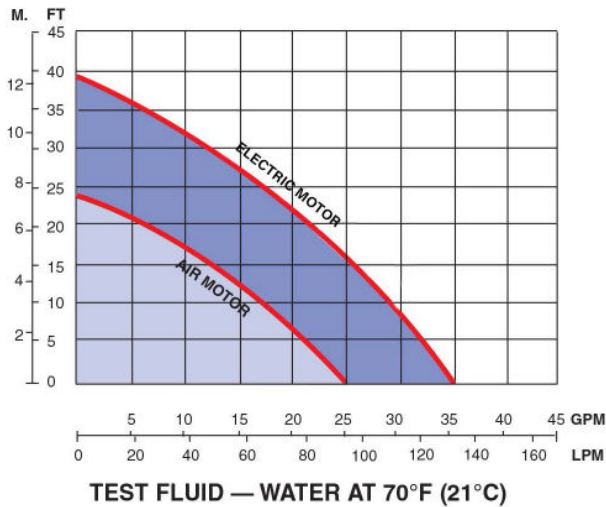
Bonding Wire

* Fluids to be pumped should be confirmed for compatability relative to concentration, temperature, etc. For clean fluids only.

HIGH VOLUME PUMPING TO 35 GPM (132 LPM)

Flow curve for Polypropylene or Kynar Pump Tube with standard 525 watt electric motor or air motor.

Flow curve for Stainless Steel Pump Tube with standard 525 watt electric motor or air motor.



PUMP AND MOTOR SPECIFICATIONS PUMP TUBES

MODEL	Tube Length (in / cm)	Wetted Materials	Tube Diameter (at widest point) (in / cm)	Discharge (in / cm)	Maximum Flow (water at 70°F / 21°C)	Maximum Head	Maximum Specific Gravity (reduced flow and pressure)	Maximum Viscosity**	Net Weight (lbs. / kg)	Shipping Weight w/o Hose (lbs. / kg)
POLYPROPYLENE PUMP TUBE										
P90H-30	30 / 76	Polypropylene, Tefzel®†, Hastelloy C®, Viton® Kynar®	1-2/3" / 4.2 cm	for 1" I.D. Hose	35 GPM / 132 LPM	39 ft. / 1189 cm	1.86	4000 SSU (850 cks)	1.75 / .80	5 / 2.3
P90H-40	40 / 101								2.75 / 2	5.5 / 2.5
P90H-50	50 / 127								2.75 / 1.25	6 / 2.7
P90H-60	60 / 152								3.25 / 1.5	6.5 / 2.9
PVDF PUMP TUBE										
P90H-30K	30 / 76	PVDF Tefzel®†, Hastelloy C®, Viton® Kynar®	1-2/3" / 4.2 cm	for 1" I.D. Hose	35 GPM / 132 LPM	39 ft. / 11.5 m	1.86	4000 SSU (850 cks)	2.75 / 1.25	5 / 2.3
P90H-40K	40 / 101								3.25 / 1.5	6.5 / 2.9
P90H-50K	50 / 127								3.75 / 1.7	6 / 2.7
P90H-60K	60 / 152								4.25 / 1.9	7.5 / 3.4
STAINLESS STEEL PUMP TUBE										
P90S-40S	40 / 101	SS-316, Carp. 20, PVDF Teflon® Kynar®	1-3/4" / 4.4 cm	Both 3/4" (1.9 cm) FNPT & 1-1/4" ID Hose	35 GPM / 132 LPM	40 ft. / 11.5 m	1.86	4000 SSU (850 cks)	8 / 3.6	11.5 / 5.2

† Available with Nylon in place of Teflon for nuclear service.

MOTORS

Motor	Description	Net Weight (lbs. / kg.)	Shipping Weight (lbs. / kg.)
A	Air Drive-100 PSI @ 18 CFM With inlet air valve for motor speed and flow control, muffler for quiet operation	2 lbs. / 0.9 kg.	5 lbs. / 2.2 kg.
B	Electric - 115V, 50/60Hz, 1 ph, ODP, double-insulated with 15 feet of line cord, plug and on/off switch with built-in safety manual reset circuit breaker. Motor cannot accidentally restart after breaker trips. Switch must be manually turned back on to reset breaker.	7 lbs. / 3.2 kg.	9 lbs. / 4 kg.
C	Electric - 230V, 50/60Hz, 1 ph, ODP, as per "B" above Plug is not provided.	7 lbs. / 3.2 kg.	9 lbs. / 4 kg.