

Wallace & Tiernan[®] Liquid Chemical Feed Systems Chemtube[®] PPS Model M68 System

The Chemtube[®] PPS Model M68 positive displacement peristaltic pump system is designed to handle a wide variety of chemicals and liquids. Simple operation consists of two rotating rollers that gradually compress an elastomeric tube, forcing liquid just ahead of each roller. The tube snaps back to its original shape after the rollers pass, refilling with liquid for the next discharge revolution. The pumped liquid only comes in contact with the tube interior and the end fittings.

Features

- Compact footprint
- No seals
- High suction lift capability
- Self priming
- No valves to clog

Technical Data

Materials of Construction:

Pump Housing: Cast Iron
Rotor: Cast Iron
Rollers: Cast Iron
Mounting Frame: Painted Carbon Steel
Available Hose Material: Natural Isoprene, Buna N, EPDM, Hypalon[®]
Side Cover: Cast Iron and Acrylic

Connection & Insert Materials: 316SS, PVC (max. B/P 6 Bar / 90 PSI), or Titanium

Connection Size: 2-1/2" 150-lb Flange

Leak Detector Switch Rating:

100 VA Max, 230 Volts, 2.5 amps

Operating Range:

20 to 1 with SCR Variable Speed Drive
10 to 1 or 100 to 1 with Inverter Drive

Accessories: Pulsation Dampeners, Calibration Columns, Pressure Relief Valves

Power Supply: 230/460 Volts, Three Phase

Fluid Temperature:

- -10 to 74°C (14 to 165° F) (Buna N Tube)
- -10 to 85°C (14 to 185° F) (Natural Isoprene Tube)
- -10 to 93°C (14 to 200° F) (EPDM Tube)
- -10 to 85°C (14 to 185° F) (Hypalon[®] Tube)

Key Benefits

- Efficient and smooth, roller technology eliminates the need for an oil bath in the pump housing
- Flexible control options-constant speed, VFD and SCR
- Simplified service and maintenance
- Ideal for multi-phase fluids and slurries
- Early detection of hose failure - leak detector mounted at lowest point of housing
- Unobstructed flow-through pumping

Max Discharge Pressure: 8 Bar (120 PSI)

Max Suction Lift: 8 m (28 ft.)

Max Flooded Suction: 2 Bar (30 PSI)

Hose Size: 68mm (ID)

Motor Hp: Up to 10 HP Induction

Up to 10 HP Inverter or Variable Speed

Weight: 490 kgs (1080 lbs)

Shipping Weight: 544 kgs (1200 lbs)

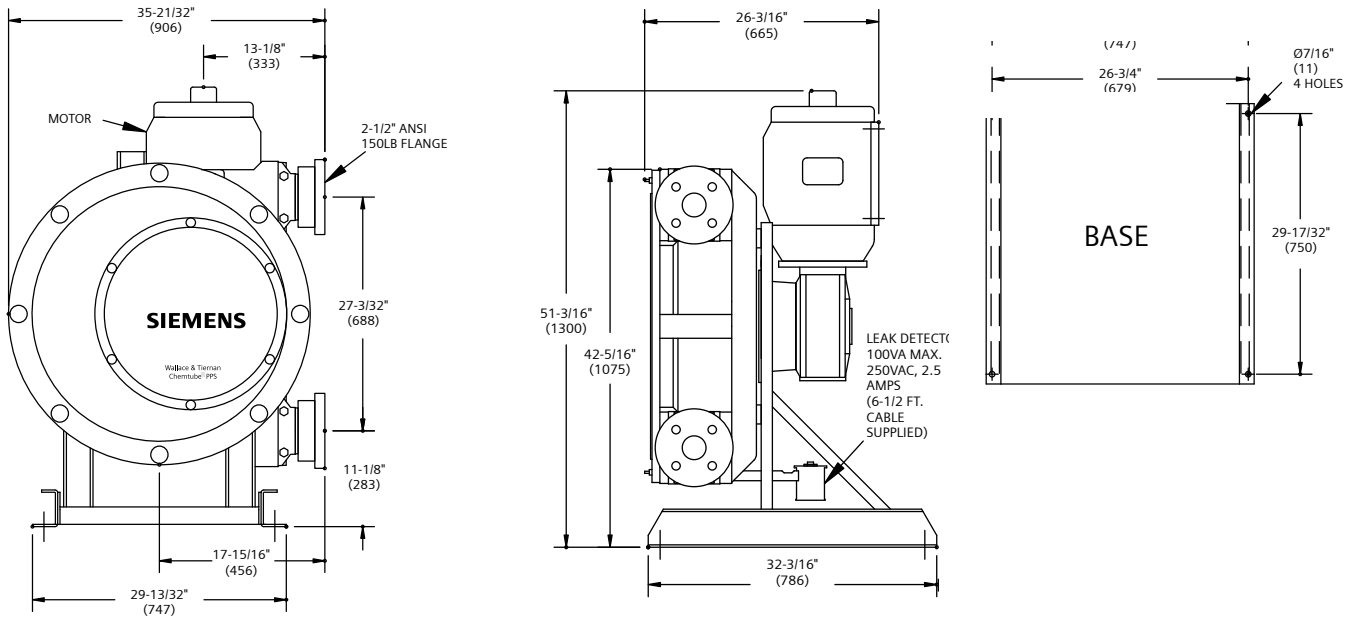


Product Sheet

M68 Fixed Speed Right-Angle Drive Gearbox - 2 Bar (30 PSI) Max.						
RPM	Capacity		Back Pressure		HP Ind (Inv)	Duty Cycle
	LPH	GPH	Bar	PSI		
17.5	7192	1900	2	30	2 (2)	Continuous
22	9084	2400			3 (5)	
27	11355	3000			3 (5)	
31	13058	3450	2	30	5 (5)	Intermittent*
38	15519	4100			5 (5)	
44	17600	4650			5 (7-1/2)	
58	23845	6300			7-1/2 (10)	
76	30280	8000			10 (10)	
87.5	32173	8500			10 (10)	

M68 Fixed Speed Coaxial Gearbox - 8 Bar (120 PSI) Max.						
RPM	Capacity		Back Pressure		HP Ind (Inv)	Duty Cycle
	LPH	GPH	Bar	PSI		
15.5	3405	900	8	120	5 (5)	Continuous
17	4164	1100			5 (5)	
21.5	5677	1500			7-1/2 (7-1/2)	
26.5	7570	2000			7-1/2 (7-1/2)	
33.5	9463	2500	8	120	10 (10)	Intermittent*
39	11355	3000			10 (10)	
42	12300	3250			10 (10)	

* Intermittent Duty: Max 1 hour running; Min. 1 hour off



Notes: All dimensions in () are mm. Dimensions shown are for right-angle drive gearbox. See WT.490.200.126.UA.CN & WT.490.200.130.UA.CN for complete dimensions.

Siemens
Water Technologies

Germany
+49 8221 9040
wtger.water@siemens.com

United Kingdom
+44 1732 771777
wtuk.water@siemens.com

USA
+1 856 507 9000
wtus.water@siemens.com

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