

Ramo



SERIES

Barrel Single Screw Pumps (Progressive Cavity) for Viscous Liquids



Pump Range

Max. capacity : 60 LPM
Max. pressure : 12 Bars
Viscosity : 1,00,000 Cst & above
Max. RPM : 900 RPM

Standard Material

Immersion Tube : MS, SS 304, SS 316 (Also available in Food Grade), Dia 54 mm, 42 mm & 32 mm.
Rotor : SS 304, SS 316 (Also available in Food Grade)
Stator : Nitrile, Neoprene, EPDM, NCR, Hypalon, Viton etc.
Stator Sleeve : Alloy Steel, SS 304, SS 316
Shaft Sealing : Soft Packing, Mechanical Seal & Alloy Steel.
Flexible Shaft : MS, SS 304, SS 316
Immersion Depth : Max. 1100 MM

Principle

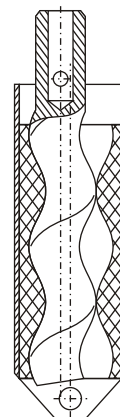
The principle feature of this pump is based on a single helical rotor turning eccentrically in a double threaded helical stator twice the pitch length. As it rotates, a series of sealed cavities, 180 degrees apart are formed, which move along the pump from suction to discharge. As one cavity is closing, the opposite cavity is increasing in size at exactly the same rate to produce a non-pulsating, positive displacement flow.

Application

Loading, Unloading, Decanting of Drums, Carboyus, Cans, Jerry Cans, Vessels & Sumps etc.

Fluid handled

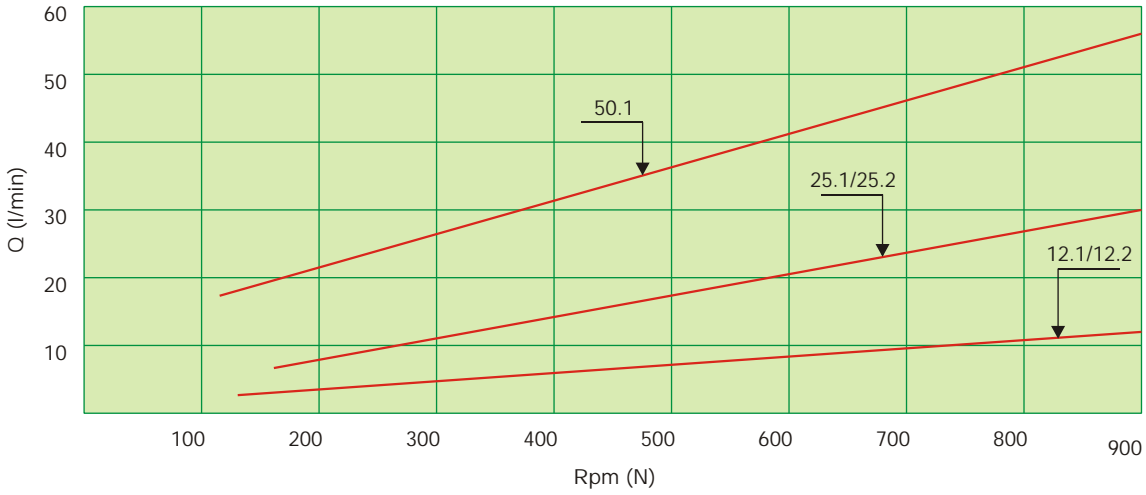
Chemicals, Varnishes, Polymer Emulsions, Latex, Silicone, Cleaning Agents, Lubricating Oils & Greases, Cutting Oils, Coolants, Tomato Puree, Liquid Glucose, Honey, Jams, Fruit Juices, Yoghurt, Chocolate Mass, Detergents, Liquid Soaps, Ointments, Shampoo, Hand Cream etc.



Salient Features

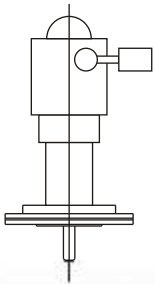
- Portable Design: Light weight easy to carry & handle.
- Drive Options: Electrically & Pneumatically Driven (Air).
- Flow Meter: Incorporation of Flow Meter can be used for Blending / Sampling of the Fluid.
- Pump Weight: Max. 8 kgs.
- Gentle handling
- Easy to dismantle & clean

Theoretical performance data for ramo 'B' series barrel pump

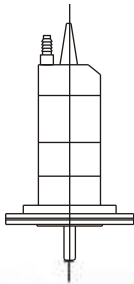


Dimensions & drive motor options

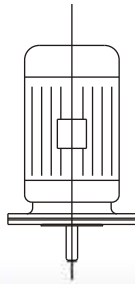
Pneumatic Motor Side Entry



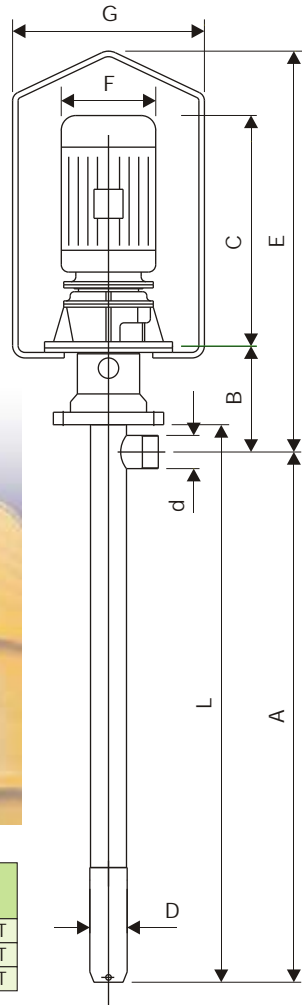
Pneumatic Motor Top Entry



Direct Drive



Geared Motor



Pump Size	D	d	A	B	C	E	F	G	L	Max. Motor Rating	Wt. of Pump in kgs.
50	ø54	ø1.1/2"	1100	185	430	705	170	360	1100	3 H.P., 720 RPM	8 + MOTOR WT
25	ø42	ø1.1/4"	1100	185	430	705	170	360	1100	1.5 H.P., 720 RPM	6.5 + MOTOR WT
12	ø32	ø1"	1100	185	430	705	170	360	1100	0.5 H.P., 720 RPM	5.5 + MOTOR WT

Above dimensions are for reference only & subject to change.

Accessory options



Hose Connector



Hose Fittings



Nozzles



Flow Meter



Explosion-proof Plug



Explosion-proof Socket



Foot Strainer



Barrel Adapter



Discharge Spout



Compressed Air Connector

Rep. By:

Manufactured By:



P D PUMPS & SYSTEMS

H. O.: B 114, 1st Floor, Durian Estate, Goregaon-Mulund Link Road, Goregaon East, Mumbai 400 063, India.

Ph: 2876 9039 / 5698 6896 Fax: +91 - (0)22 - 2876 9056

Email: ramopump@vsnl.com Website: www.pdpumps.com

Works: Plot No. 3-3-30 A4, Postman Kadu, Salem Main Road, Sankari 637301, Salem (Dist.) T.N., India.

Telefax: (04283) 243610 Email: pdpumps@sancharnet.in



Ramo Group
The world of screw pumps

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