

Bredel 32

Bredel hose pumps (10-50)



Hose Pumps

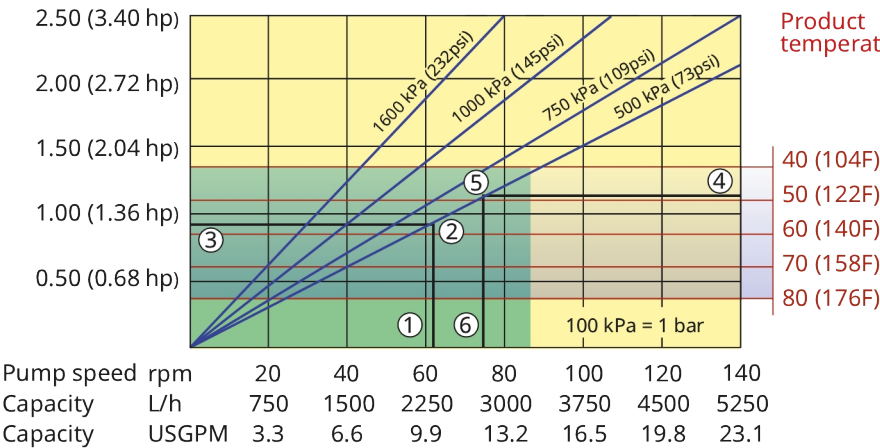
Features and benefits

- Dry running and self-priming
- Suction capability up to 9.5 mWC (374 inWC)
- No seals, ball-checks, diaphragms, glands, immersed rotors, stators or pistons to leak, clog, corrode or replace
- Handles abrasive slurries, corrosive acids, gaseous liquids
- No slippage, allowing true positive displacement for accurate and repeatable metering
- No ancillary equipment, check valves, sealing water flush systems or run-dry protection required
- Fully reversible to blow out suction and drain lines safely



Bredel 32 performance

Required motor power kW (hp)



Note: The area of continuous operation diminishes with increased product temperatures. For product temperatures >40C, the area of continuous operation reduces to the corresponding red temperature line.

- Continuous duty
- Intermittent duty

* Maximum 3 hours operation followed by minimum 1 hour stop

Technical specifications

	Bredel 32
Max. flow rate continuous	844 USGPH (3200 L/h)
Max. flow rate intermittent	1385 USGPH (5250 L/h)
Volume per revolution	0.165 USG (0.625 l)
Max. continuous operating speed	85 rpm
Max. intermittent operating speed	140 rpm
Max. operating pressure	232 psi (16 bar)
Max. inlet pressure	44 psi abs (3 bar abs)
Max. suction capability	374 inWC (9.5 mWC)
Suction capability (80% Flow rate)	354 inWC (9 mWC)
Operating temperature	-4 °F to 113 °F (-20 °C to 45 °C)
Fluid temperature	-4 °F to 176 °F (-20 °C to 80 °C)
Min. starting torque	1859 in.lbs (210 N m)
Weight	287 lbs (130 kg)
Hose lubricant required	0.92 USG (3.5 l)
Port configurations	Down, Left, Right, Up
Compatible hose materials	CSM, EPDM, F-NBR, NBR, NBR for food, NR-Metering, NR-Transfer
Flange assembly type	ANSI, DIN, JIS

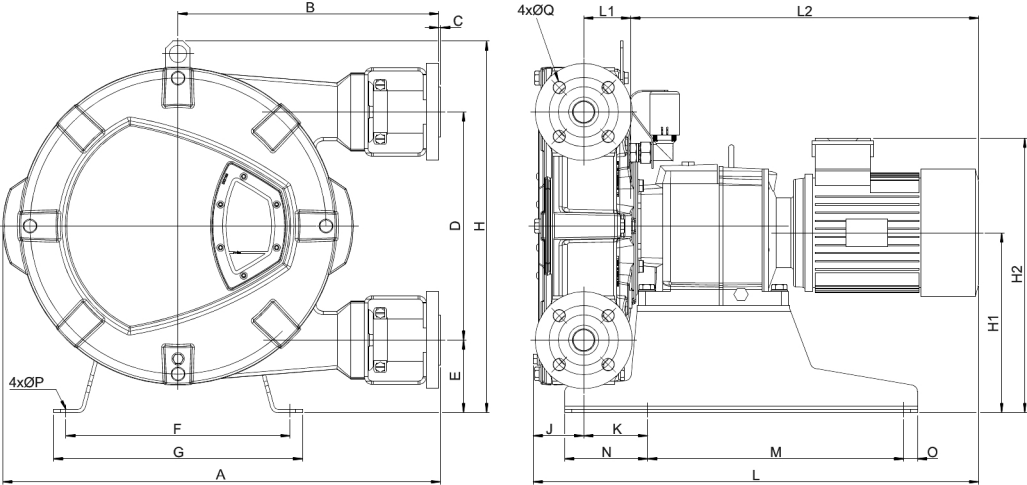
Please consult your Bredel representative for lower or higher temperature operation.

Allowable ambient temperature is based on pump capabilities and may be further limited by gearbox ambient capabilities.

Materials of construction

	Bredel 32
Hose material	CSM, EPDM, F-NBR, NBR, NBR for food, NR Endurance, NR-Transfer
Housing	Cast iron, ISO12944 category C4M
Rotor assembly	Cast iron, ISO12944 category C4M
Cover assembly	Cast iron, ISO12944 category C4M
Brackets and fasteners	Galvanized steel, Stainless steel 316
Support frame	Galvanized steel, Stainless steel 316
Hose clamps	Galvanized steel, Stainless steel 316
Seals	Nitrile

Bredel 32 dimensions



Type	A	B	C	D	E	F	G	H	H1	H2max	J	K	Lmax	L1	L2max	M	N	O	ØP	ØQ	R
Bredel 32 (mm)	631	375	2.5	330	105	324	360	538	260	402	72	93	684	68	544	370	120	20	12	18	100
Bredel 32 (inches)	24.8	14.8	0.09	13	4.1	12.8	14.2	21.2	10.2	15.8	2.8	3.7	26.9	2.7	21.4	14.6	4.7	0.79	0.47	0.71	3.94
Connector sizes								ANSI 150#					EN DIN					JIS			
Bredel 32								1.25"/1.5"					32mm					32mm			

Product codes

Disclaimer: The information contained in this document is believed to be correct at the time of publication, but Watson-Marlow Bredel BV accepts no liability for any error it contains, and reserves the right to alter specifications without prior notice. All mentioned values in this document are values under controlled circumstances at our test bed. Actual flow rates achieved may vary because of changes in temperature, viscosity, inlet and discharge pressures and/or system configuration. APEX, DuCoNite, Bioprene and Bredel are registered trademarks.



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