

Bredel 100

Bredel hose pumps (65-2100)



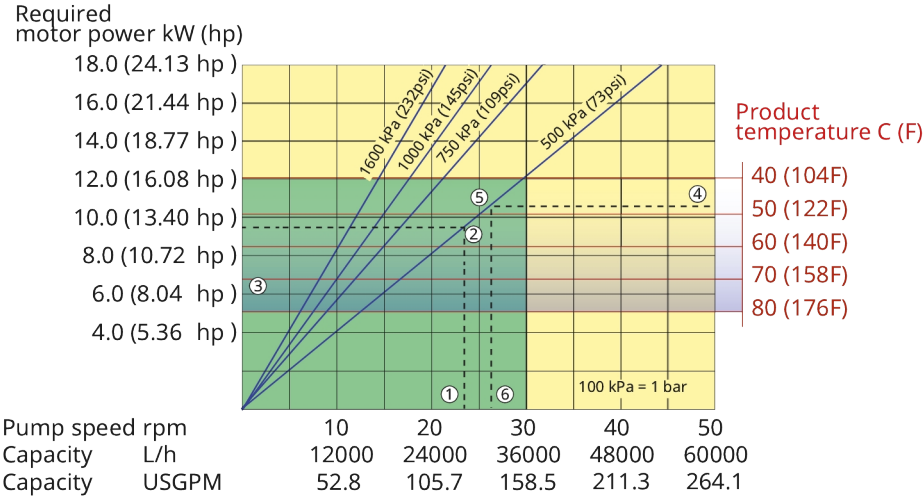
Features and benefits

- Dry running and self-priming
- Suction capability up to 7 mWC (276 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, 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 100 performance

Bredel 100



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.

Technical specifications

	Bredel 100
Max. flow rate continuous	36000 L/h (9499 USGPH)
Max. flow rate intermittent	60000 L/h (15831 USGPH)
Volume per revolution	20 L (5.28 USG)
Max. continuous operating speed	30 rpm
Max. intermittent operating speed	50 rpm
Max. operating pressure	16 bar (232 psi)
Max. inlet pressure	1.5 bar abs (23 psi abs)
Max. suction capability	7 mWC (276 inWC)
Suction capability (80% Flow rate)	5 mWC (197 inWC)
Operating temperature	-20 °C to 45 °C (-4 °F to 113 °F)
Fluid temperature	-20 °C to 80 °C (-4 °F to 176 °F)
Min. starting torque	3100 N m (27437 in.lbs)
Weight	1300 kg (2866 lbs)
Hose lubricant required	60 L (15.85 USG)
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

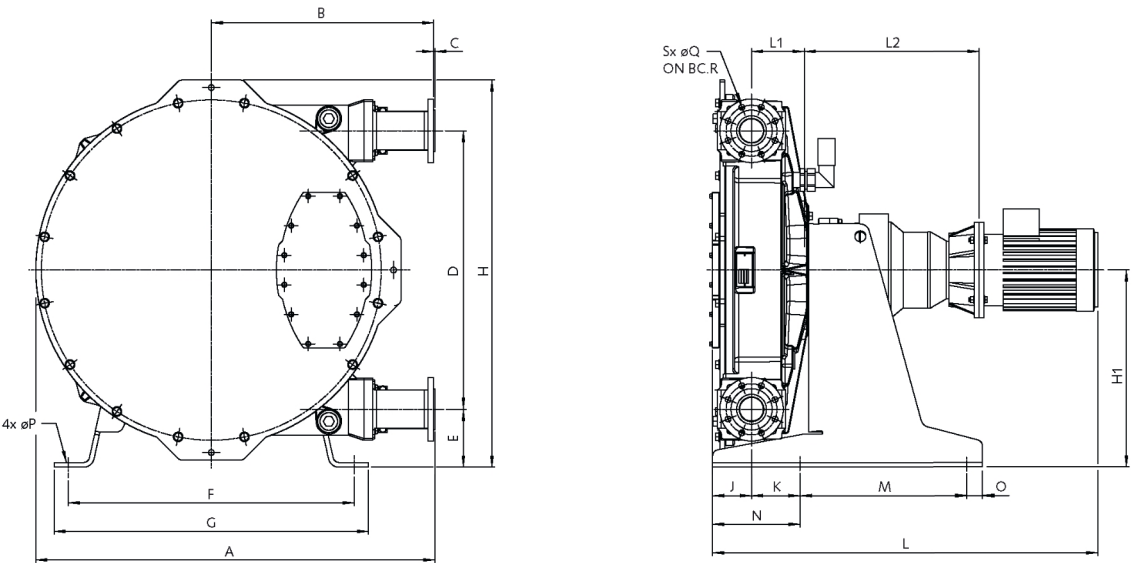
Please consult your Bredel representative for lower or higher temperature operation.

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

Materials of construction

	Bredel 100
Hose material	CSM, EPDM, F-NBR, NBR, NBR for food, NR-Metering, NR-Transfer
Housing	Cast iron, ISO12944 category C4M
Rotor assembly	Cast iron, ISO12944 category C4M
Cover assembly	Mild steel
Brackets and fasteners	Galvanised steel, Stainless steel 316
Support frame	Galvanised steel, Stainless steel 316
Hose clamps	Galvanised steel, Stainless steel 316
Seals	Neoprene, Nitrile

Bredel 100 dimensions



Type	A	B	C	D	E	F	G	H	H1	J	K	Lmax	L1	L2max	M	N	O	ØP	ØQ	R	S
Bredel 100 (mm)	1468	813	3	1042	199	1050	1140	1415	720	151	173	1392	200	489	540	310	50	22	18	180	8
Bredel 100 (inches)	57.8	32	0.12	41	7.8	41.3	44.9	55.7	28.3	5.9	6.8	54.8	7.9	19.3	21.3	12.2	2	0.9	0.71	7.1	0.31
Connector sizes							ANSI 150#					EN DIN					JIS				
Bredel 100							4"					100mm					100mm				

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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