CIP 32

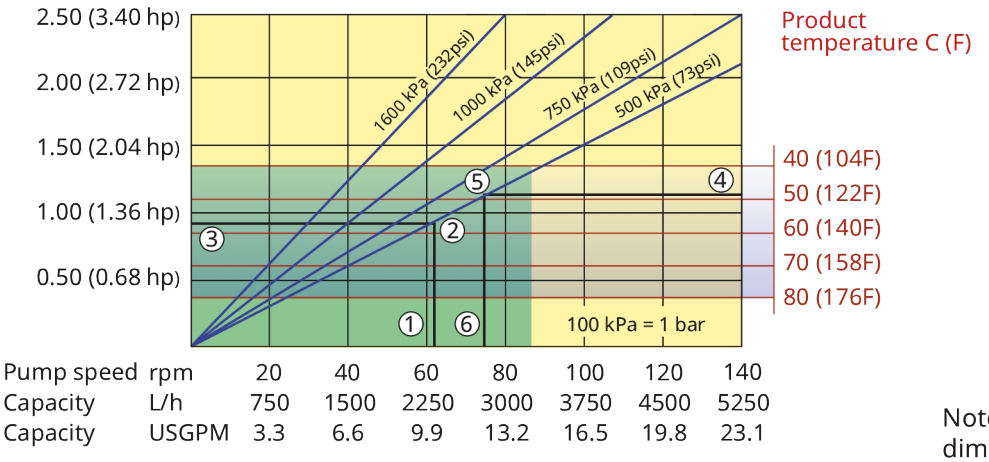
Bredel CIP hose pumps 20-32

Bredel Hose Pumps

Features and benefits

- Enhanced hygiene: Meets all clean-in-place (CIP) requirements, ensuring system cleanliness
- Automated shoe retraction: Reverse the pump to retract shoes without manual work. Run the pump forward to effortlessly reengage shoes
- Reduced power usage: During cleaning, the CIP rotor allows the shoes to be retracted and the pump turned off
- Extended hose life: Reduce hose compressions, in particular, under high temperature/chemical cleaning process
- Retrofittable: Minimises investment costs by allowing easy rotor replacement

CIP 32 performance



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.

1. Flow required indicates pump speed
2. Calculated discharge pressure
3. Net motor power required
4. Product temperature
5. Calculated discharge pressure
6. Maximum recommended pump speed

Continuous duty

Intermittent duty

* Maximum 3 hours operation followed by minimum 1 hour stop

Technical specifications

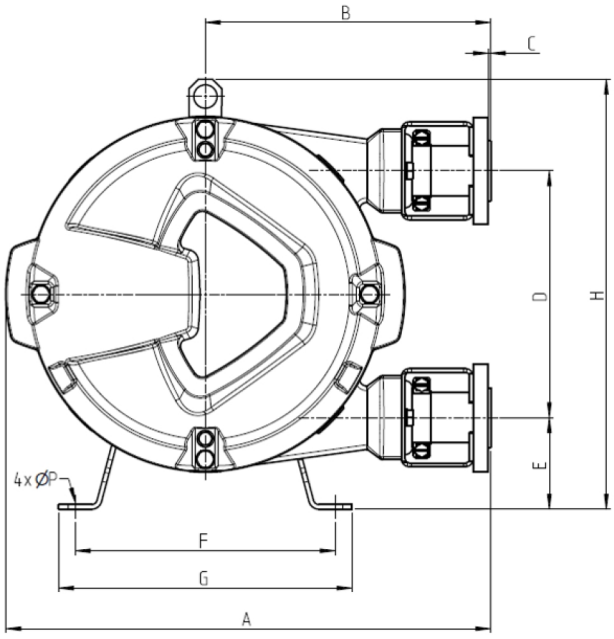
	CIP 32
Max. flow rate continuous	844 USGPH (3200 L/h)
Max. flow rate intermittent	1385 USGPH (5250 L/h)
Volume per revolution	0.165 USG (0.625 L)
Max. continuous operating speed	85 rpm
Max. intermittent operating speed	140 rpm
Max. operating pressure	232 psi (16 bar)
Max. inlet pressure	44 psi abs (3 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	293 lbs (133 kg)
Pumphead weight	168 lbs (76 kg)
Rotor weight	29 lbs (13 kg)
Hose lubricant required	0.92 USG (3.5 L)
Port configurations	Down, Left, Right, Up
Pumping direction	Clockwise, Counterclockwise
Compatible hose materials	CSM, EPDM, F-NBR, NBR, NBR for food, NR-Metering, NR-Transfer
Flange assembly type	ANSI, DIN, JIS
Sanitary connector options	DIN 11851, DIN 11864, IDF, RJT, SMS, Tri-clamp

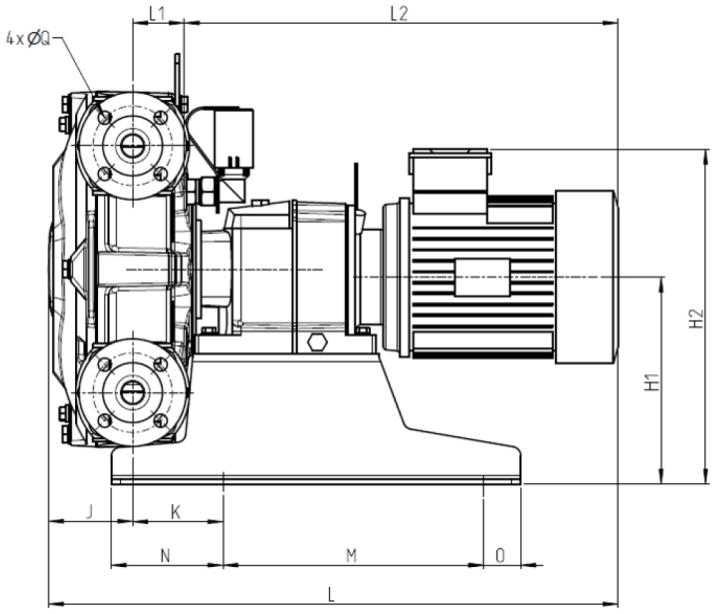
Please consult your Bredel representative for lower or higher temperature operation.
Allowable ambient temperature is based on pump capabilities and may be further limited by gearbox ambient capabilities.

Materials of construction

	CIP 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
Coupling bush	Alloy steel
Seals	EPDM, NBR
Shoe material	Steel

CIP 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	91	93	703	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	3.6	3.7	27.7	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