

CIP 50

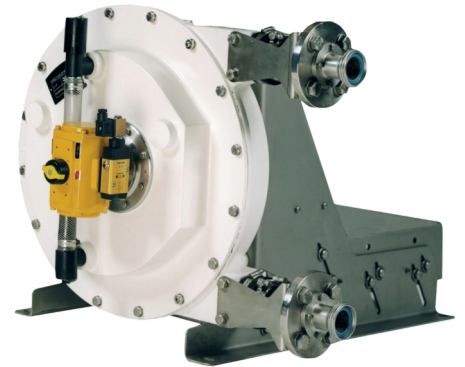
Bredel CIP hose pumps 40-50

Bredel

Hose Pumps

Features and benefits

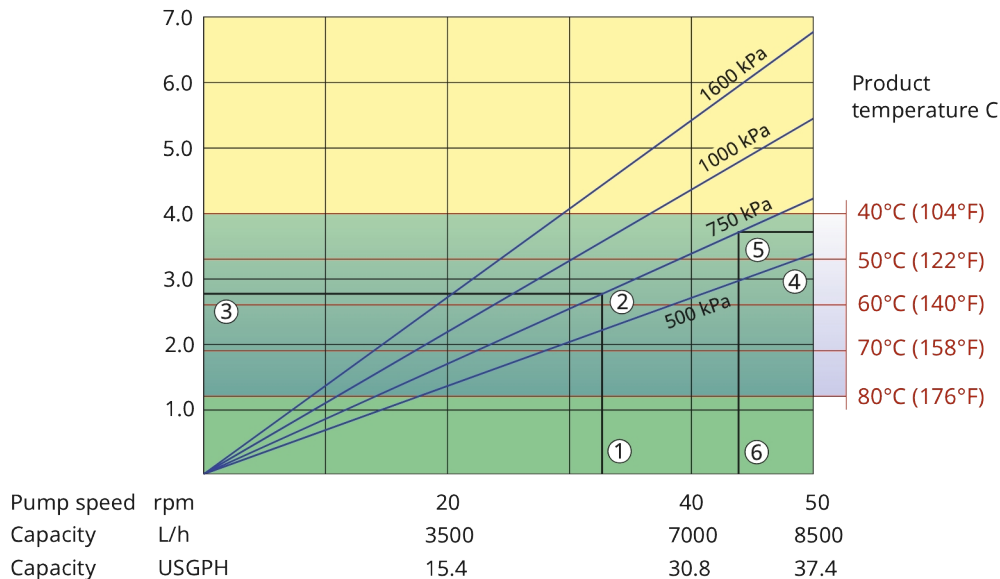
- 3A and FDA certified
- Food approved NBR pump hose, with NSF® registered food grade lubricant
- Stainless steel sanitary connectors range includes DIN, ASA or JIS
- Shoes on the rotor retract automatically for cleaning of pump element inside
- Cam actuated electrically, pneumatically or manually
- Maximum sterilization temperature 120 °C
- Bredel CIP 50 flow rates up to 8,500 L/h (77 GPM), pressures up to 16 bar (232 psi)



CIP 50 performance

Bredel CIP 50

Required
motor power kW



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 50
Max. flow rate continuous ranges	8760 L/h (2311 USGPH)
Max. flow rate intermittent ranges	8760 L/h (2311 USGPH)
Volume per revolution	2.92 l (0.77 USG)
Max. continuous operating speed	50 rpm
Max. intermittent operating speed	50 rpm
Max. operating pressure ranges	16 bar (232 psi)
Max. suction capability	9.5 mWC (374 inWC)
Suction capability (80% Flow rate)	8 mWC (315 inWC)
Operating temperature ranges	-20 °C to 45 °C (-4 °F to 113 °F)
Fluid temperature ranges	-20 °C to 80 °C (-4 °F to 176 °F)
Min. starting torque	620 N m (5487 in.lbs)
Weight ranges	265 kg (584 lbs)
Pumphead weight ranges	195 kg (430 lbs)
Hose lubricant required ranges	20 l (5.3 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
Sanitary connector options	DIN 11851, DIN 11864, IDF, RJT, SMS, Tri-clamp

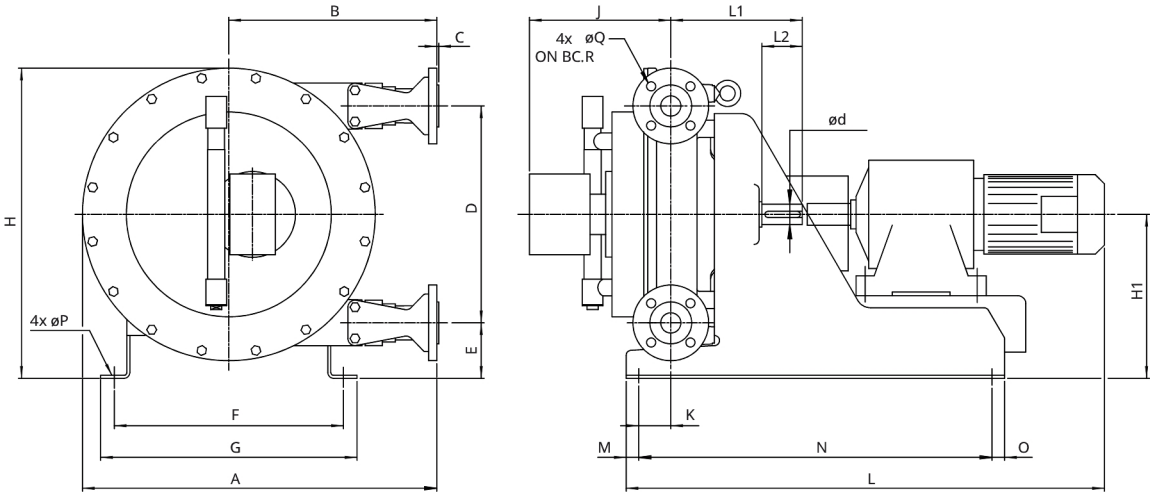
Please consult your Bredel representative for lower or higher temperature operation.

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

Materials of construction

	CIP 50
Hose material	CSM, EPDM, F-NBR, NBR, NBR for food, NR-Metering, NR-Transfer
Housing	Cast iron
Rotor assembly	Cast iron
Cover assembly	Cast iron
Brackets and fasteners	Galvanised steel, Stainless steel 316
Support frame	Galvanised steel, Stainless steel 316
Hose clamps	Galvanised steel, Stainless steel 316
Seals	NBR

CIP 50 dimensions



Type	A	B	C	C	D	Ød	E	F	G	H	H1	Jmax	K	L	L1	L2	M	N	O	Q	R
Bredel CIP 50 (mm)	835	475	3	10	554	50	123	444	496	760	400	433	78	*	325	100	25	870	25	18	125
Bredel CIP 50 (inches)	32.9	18.7	0.1	0.4	21.8	1.97	4.8	17.5	19.5	29.9	15.7	17.0	3.1	*	12.8	3.6	1.0	34.3	1.0	0.7	4.9

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