

QLINE 20

Bredel QLINE

Bredel

Hose Pumps

Features and benefits

- Higher, smoother flow without increasing installation space
- Minimised pulsation improves dosing accuracy and process stability
- Quick in-situ tube replacement increases uptime and supports safer maintenance
- Reduced pressure fluctuations help extend equipment lifetime and lower maintenance costs
- Built for long service life when handling abrasive, viscous, corrosive, and gaseous fluids
- Broad chemical compatibility and high turndown capability support a wide range of applications
- Consistent fluid velocity helps reduce product settlement and minimise pipeline disruption



Technical specifications

	QLINE 20
Max. flow rate continuous	422 USGPH (1600 L/h)
Max. flow rate intermittent	554 USGPH (2100 L/h)
Volume per revolution	0.0362 USG (0.139 L)
Max. continuous operating speed	180 rpm
Max. intermittent operating speed	250 rpm
Max. operating pressure	100 psi (7 bar)
Suction pressure	0.1 bar abs
Suction pressure	1.5 psi abs
Max. inlet pressure	30 psi abs (2 bar abs)
Max. suction capability	354 inWC (9 mWC)
Operating temperature	14 °F to 122 °F (-10 °C to 50 °C)
Fluid temperature	32 °F to 133 °F (0 °C to 45 °C)
Min. starting torque	1062 in.lbs (120 N m)
Weight	112 lbs (51.5 kg)
Hose lubricant required	0.26 USG (1 L)
Inlet/outlet Connections	BSP 3/4", Flanges ANSI, Flanges DIN, Hose tail, NPT 3/4"
Pumping direction	Clockwise, Counterclockwise
Compatible tube materials	Santoprene, TPU

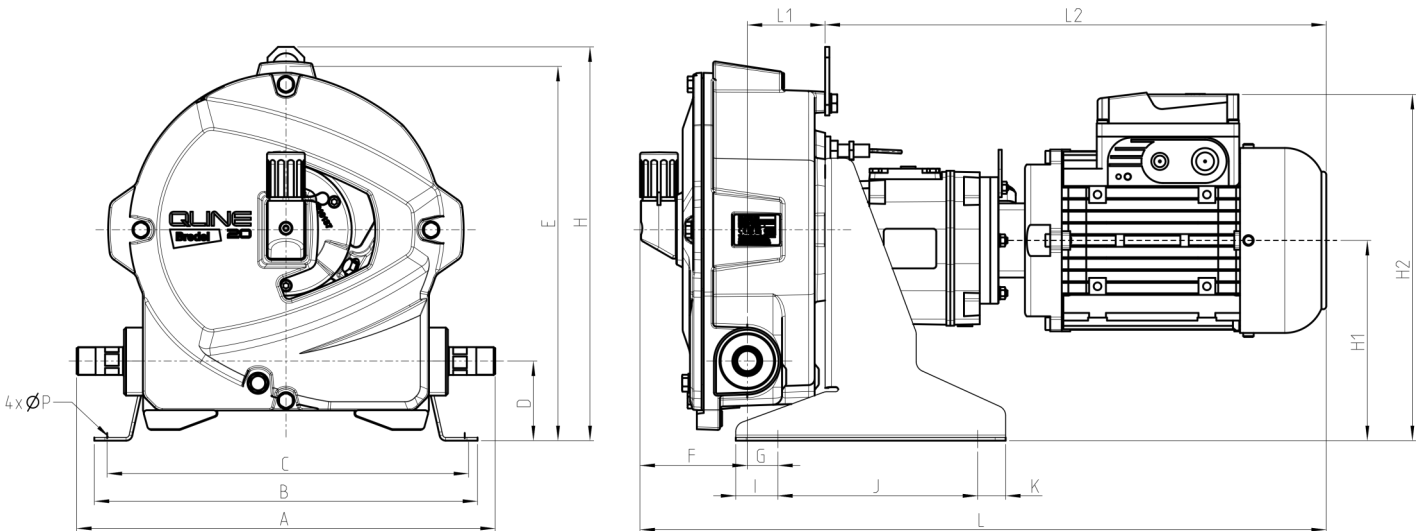
Please consult your Bredel representative for lower or higher temperature operation.

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

Materials of construction

	QLINE 20
Housing	Cast iron, ISO12944 category C4M
Rotor assembly	Cast iron with Nitrox surface treatment
Cover assembly	Cast iron, ISO12944 category C4M
Fasteners	Galvanized steel, Stainless steel 316
Support frame	Galvanized steel, Stainless steel 316
Coupling bush	Alloy steel
Seals	EPDM

QLINE 20 dimensions



Type	A	B	C	D	E	F	G	H	H1	H2 max	I	J	K	Lmax	L1	L2max	ØP
QLINE 20 (mm)	398.0	364.5	343.7	75.0	354.5	102.0	29.0	373.0	187.6	326.4	40.0	190.0	26.6	652.5	74.0	476.5	10.0
QLINE 20 (inches)	15.7	14.4	13.5	3.0	14.0	4.0	1.1	14.7	7.4	12.9	1.6	7.5	1.0	25.7	2.9	18.8	0.4

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