

APEX15

APEX hose pumps



Features and benefits

- Seal-less, valve-less design
- Precision machined hose elements for accurate, repeatable performance
- Optimized hose compression for unmatched flow stability
- Direct-coupled drive and maximum flexibility - no separate couplings to align or maintain
- Ultra compact design with flexibility to mount standard gear motors - rotor supported by own bearings to maximize gearbox life
- Lower maintenance costs - single component change means fewer spare parts inventory

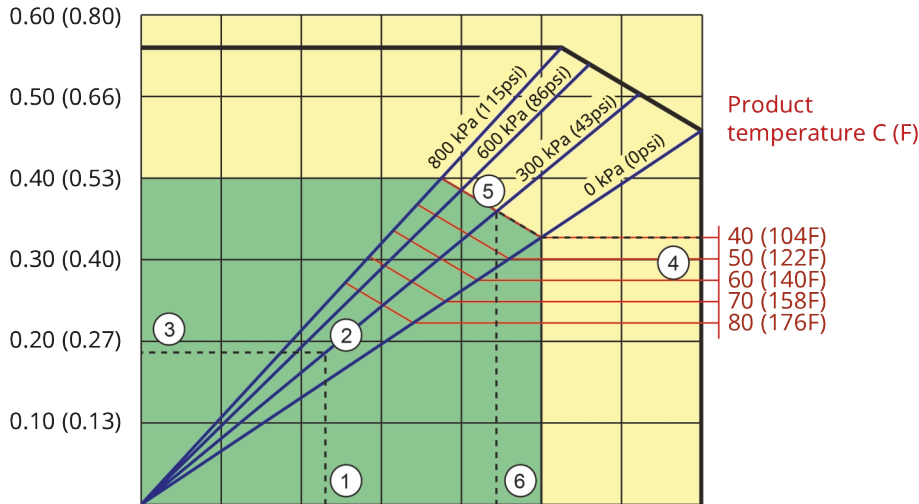


APEX15 performance

Required

motor power kW (hp)

APEX15



Pump speed rpm	20	40	60	80	100	120	140
Capacity L/h	110	220	330	440	550	660	770
Capacity USGPM	0.48	0.96	1.45	1.9	2.4	2.9	3.4

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

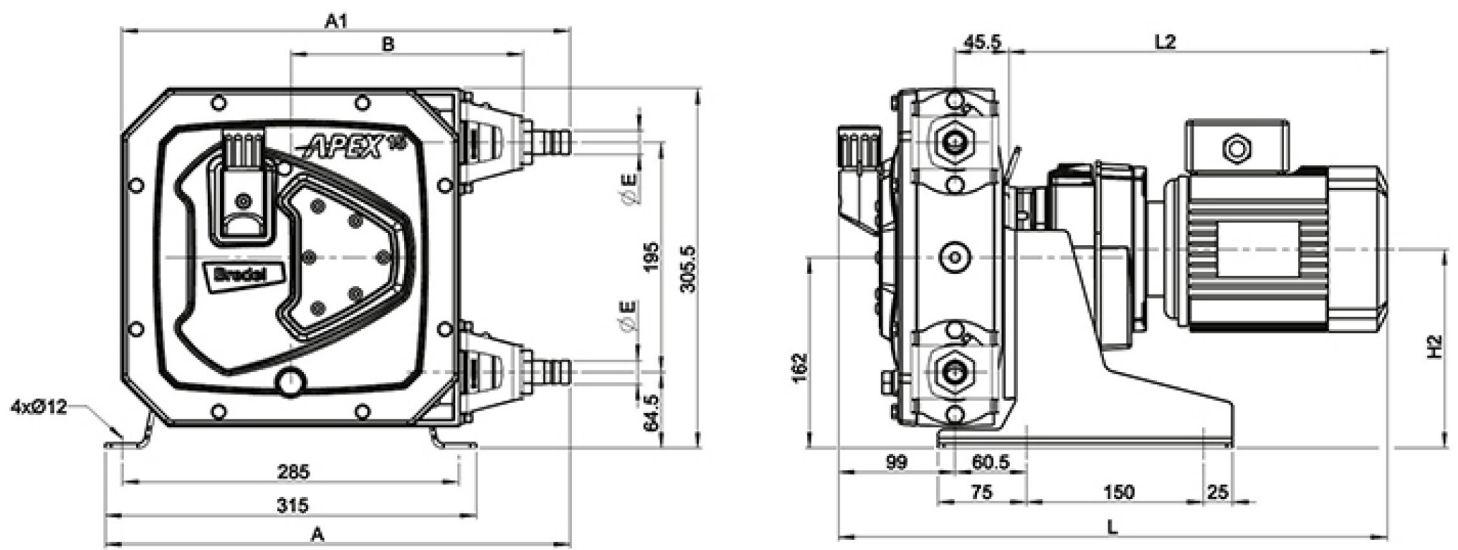
Technical specifications

	APEX15
Max. flow rate continuous	145 USGPH (550 L/h)
Max. flow rate intermittent	203 USGPH (770 L/h)
Volume per revolution	0.024 USG (0.091 l)
Max. continuous operating speed	100 rpm
Max. intermittent operating speed	140 rpm
Max. operating pressure	116 psi (8 bar)
Suction pressure	0.05 bar abs
Suction pressure	0.73 psi abs
Max. inlet pressure	30 psi abs (2 bar abs)
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	505 in.lbs (57 N m)
Weight	88 lbs (40 kg)
Port configurations	Down, Left, Right, Up
Compatible hose materials	CSM, EPDM, F-NBR, NBR, NBR for food, NR
Flange assembly type	ANSI, DIN

Materials of construction

	APEX15
Hose material	CSM, EPDM, F-NBR, NBR, NBR for food, NR
Housing	Die-cast aluminum (RAL 3011)
Rotor assembly	Cast iron
Cover assembly	Die-cast aluminum, EPDM, PMMA
Brackets and fasteners	Stainless steel 316
Support frame	Galvanized steel
Hose clamps	Stainless steel 316
Coupling bush	Alloy steel
Seals	EPDM, NBR

APEX15 dimensions



	A	A1	B	E	H2max	Lmax	L2max
APEX15 (mm)	394.5	380.5	197.5	Ø20	170	545.5	401
APEX15 (inches)	15.5	15	7.8	3/4" NPT	6.7	21.5	15.8
Connector sizes			MNPT		EN DIN		JIS
APEX15			0.75"		20mm		20mm

Product codes

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