mGPRO 10B

MICRO GEAR PUMP WITH BRUSHLESS DC MOTOR 51A1BCT2GXX



Features and Benefits

- Self priming (water) and maintenance free with low vibration and pulsation characteristics
- Innovative mechanical seal design requires less sanitizing
- Positive Displacement Gear Pump with 24VDC brushless motor
- Self-priming and maintenance free with low vibration and pulsation characteristics
- Stainless steel housing works with acidity > 2 pH[1]

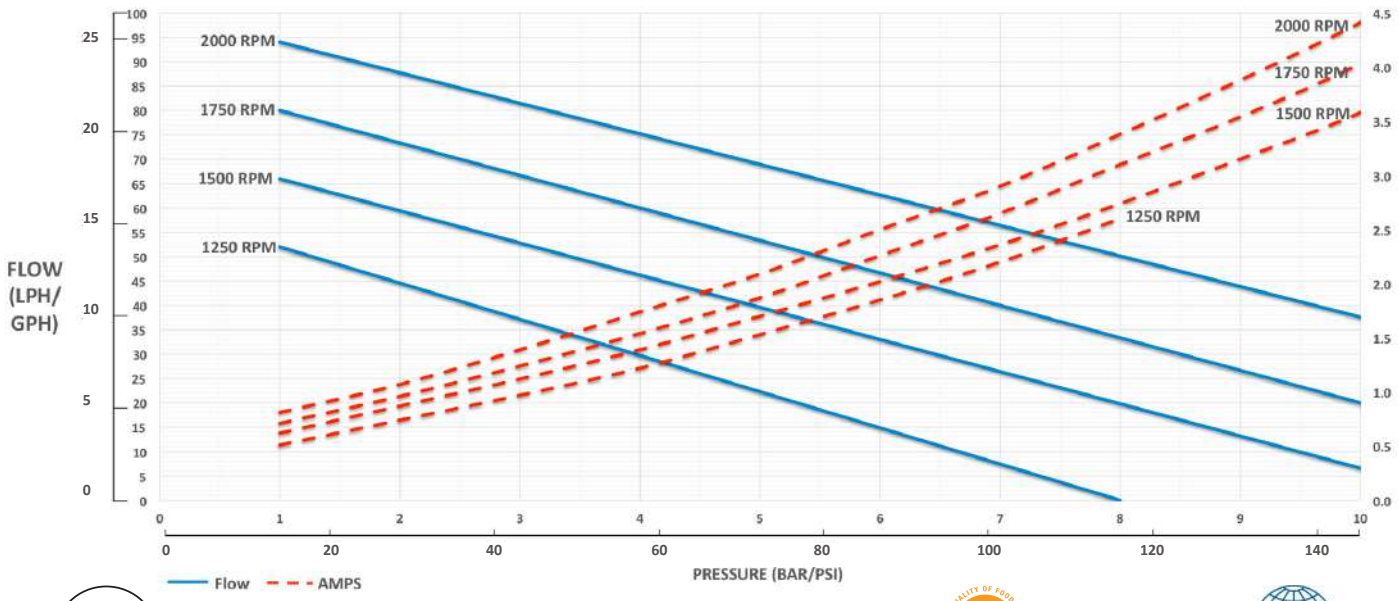
General Applications

Milk Frothing
Espresso/Coffee
Misting Systems
Syrup Dispensing
Boiler Feeds
Ink Dispensing
Temperature Control
Syrup Dispensing
Detergent Dispensing
Inkjet printing
Medical Application

Technical Information			
Housing and motor shaft	304 Stainless Steel	Motor Type	24V Brushless DC Dual Direction
Gears and Bushing	Carbon Fiber PEEK	Max Speed	3000 RPM
Seals	Carbon / Silicon Carbide	Max Output Power	80W
Elastomers	EPDM (FDA,NSF Approved)	Max. Input Current	4A
Ports	G 1/8"	Motor IP Protection	IP41
Unit Weight	2.05 lbs. (0.93 kg)	Insulation Class	B
		Speed Control	0-5V (needs controller)

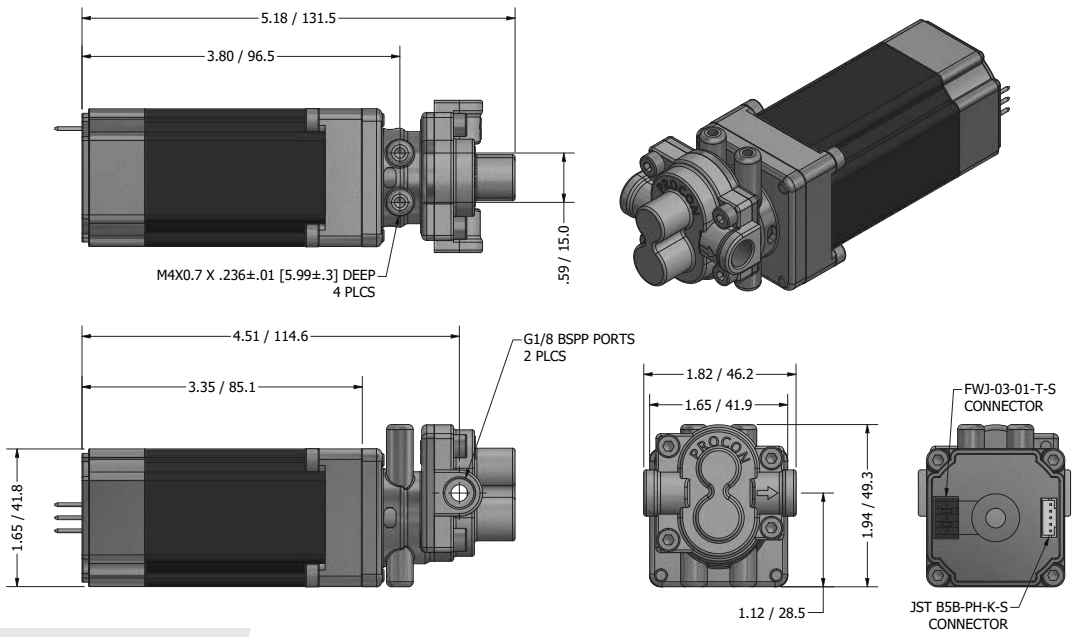
Operating Range			
Max. Fluid Viscocity	20,000 Centipoise [2]	Fluid Temperature	-4° to 194 °F (-20° to 90 °C)
Max. Sound Level	60 dBA	Max Static Pressure	130 PSI (9 bar)
Max Vacuum Dry	3.3 ft (1M)	Max Discharge Pressure (Intermittent)	250 PSI (17 bar)
Max Vacuum Wet	6 ft (2M)	Max Discharge Pressure (Continuous)	90 PSI (6 bar)

mGPRO 10B PERFORMANCE



NOTES:
[1] Consult with manufacturer for extreme operating conditions
[2] Consult with manufacturer for information on other applications
[3] For certificate of compliance or declarations please visit our website or email at productcompliance@proconpump.com

DIMENSION AND CONNECTION DETAILS



NOTE: Dimensions are in inches/millimeters

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