



Features and Benefits

- Self priming (water) and maintenance free
- Consistent flow rate across variable pressures
- Compact unit with 24Vdc Brushless motors without controller
- Flow range from 10 to 100 LPH (3 to 35 GPH)
- Patented twin cavity and cam ring technology
- Eight vanes for low vibration and pulsation
- Stainless steel housing works with acidity > 2 pH

General Applications

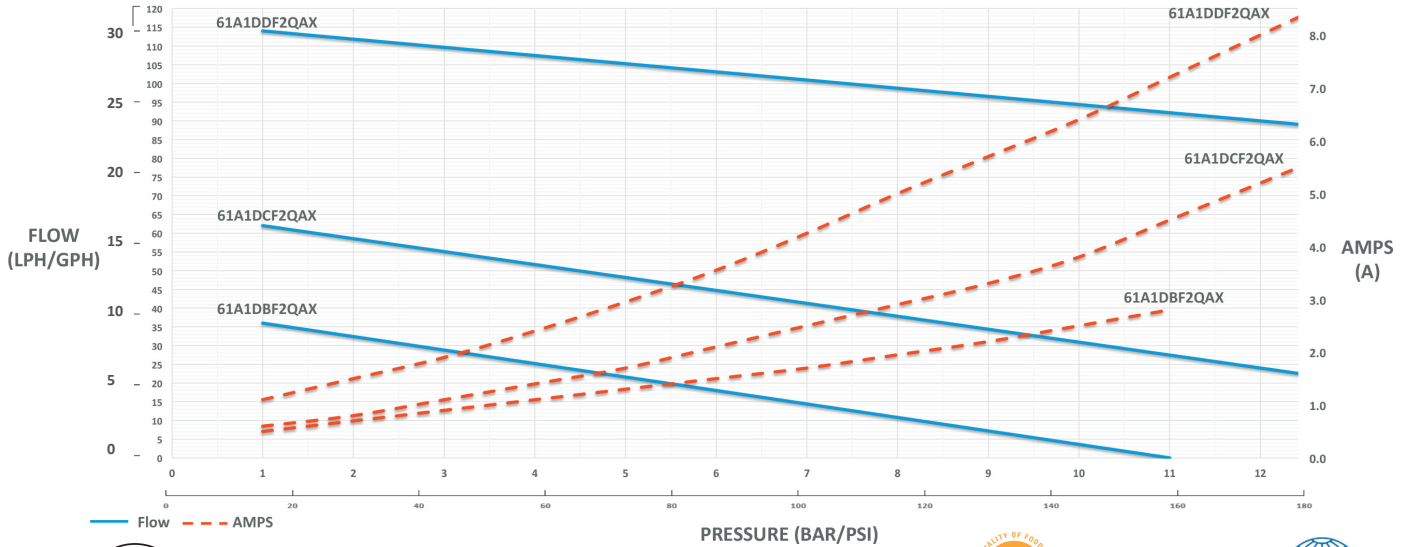
- Espresso/Coffee
- Beer Chillers
- Pesticide Systems
- Solar Applications
- Cooling Systems
- Medical Devices

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	Nitrite /EPDM	Max. Input Current	4A
Valves	Plastic (ultem & acetal)	Motor IP Protection	IP41
Ports	G 1/8"	Insulation Class	B
Unit Weight	1.1 kg (2.5 lbs.)	Speed Control	0-5V (needs controller)

Operating Range

Max. Fluid Viscosity	100 Centipoise [2]	Fluid Temperature	-20° to 90°C (-4° to 194°F)
Max Vacuum Dry	1 M (3.3 ft)	Max Static Pressure	7 bar (100PSI)
Max Vacuum Wet	2 M (6 ft)	Max Discharge Pressure (Intermittent)	12.5 bar (180 PSI)

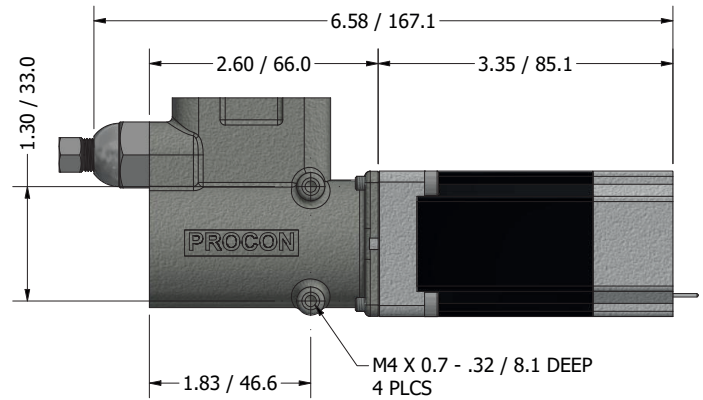
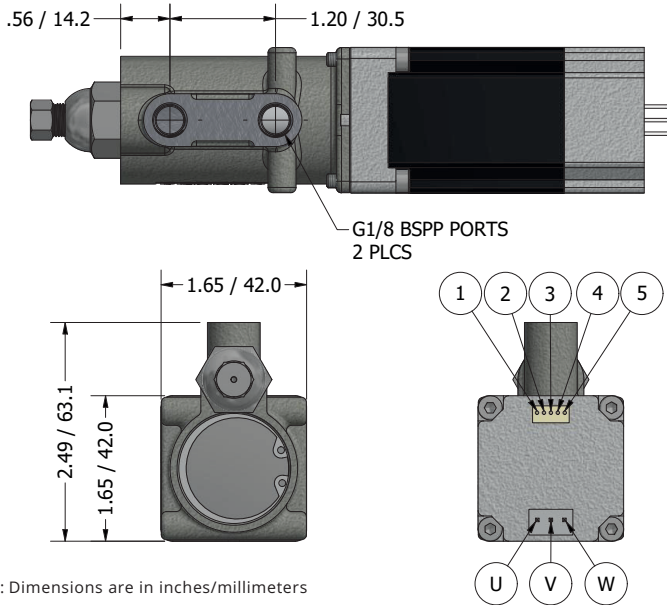


RoHS



- NOTES:
 [1] Flow curve based on pump tested @ 1800 RPM
 [2] Flow curve based on pump tested with water at room temperature
 [3] Flow may vary with viscosity

DIMENSION AND CONNECTION DETAILS



NOTE: Dimensions are in inches/millimeters

Motor Connection

PIN	Signal Connector	PIN	Motor Plug
1	Power Supply +24 V	U	Motor
2	Power Supply GND	V	Motor
3	Hall U	W	Motor
4	Hall V		
5	Hall W		