mVPRO
MICRO VANE PUMP WITH BRUSHED MOTOR

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Features and Benefits

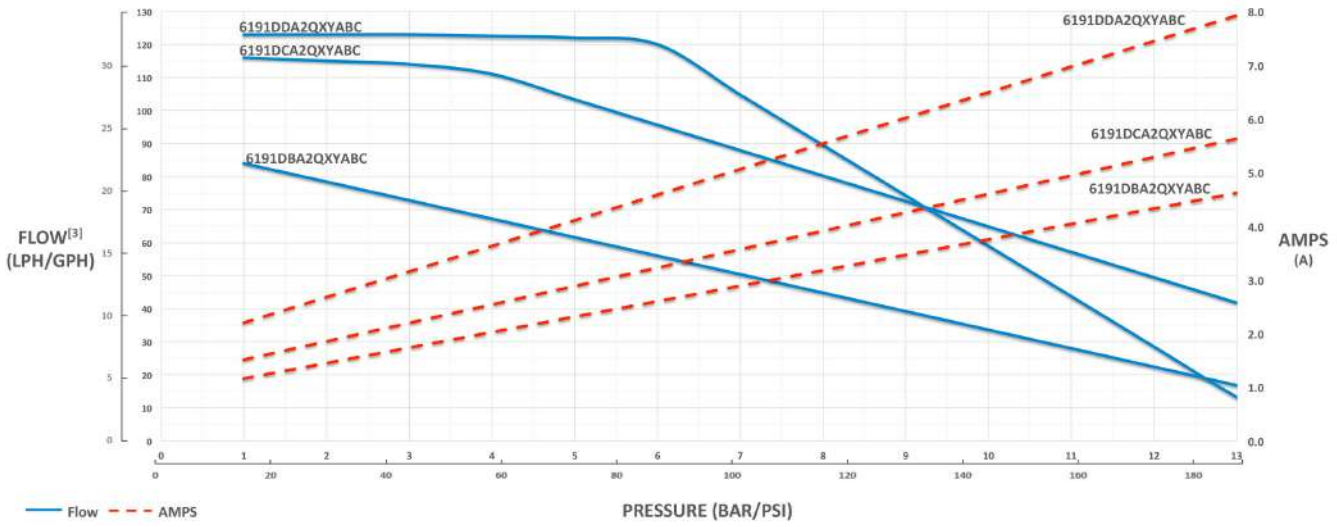
- Self priming (water) and maintenance free
- Consistent flow rate across variable pressures
- Compact unit with 24Vdc Brushed motors
- Flow range from 10 to 100 LPH (3 to 35 GPH)
- Patented twin cavity and cam ring technology
- Eight vanes for low vibration and pulsation
- Stainless steel housing works with acidity > 2 pH[1]

General Applications

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

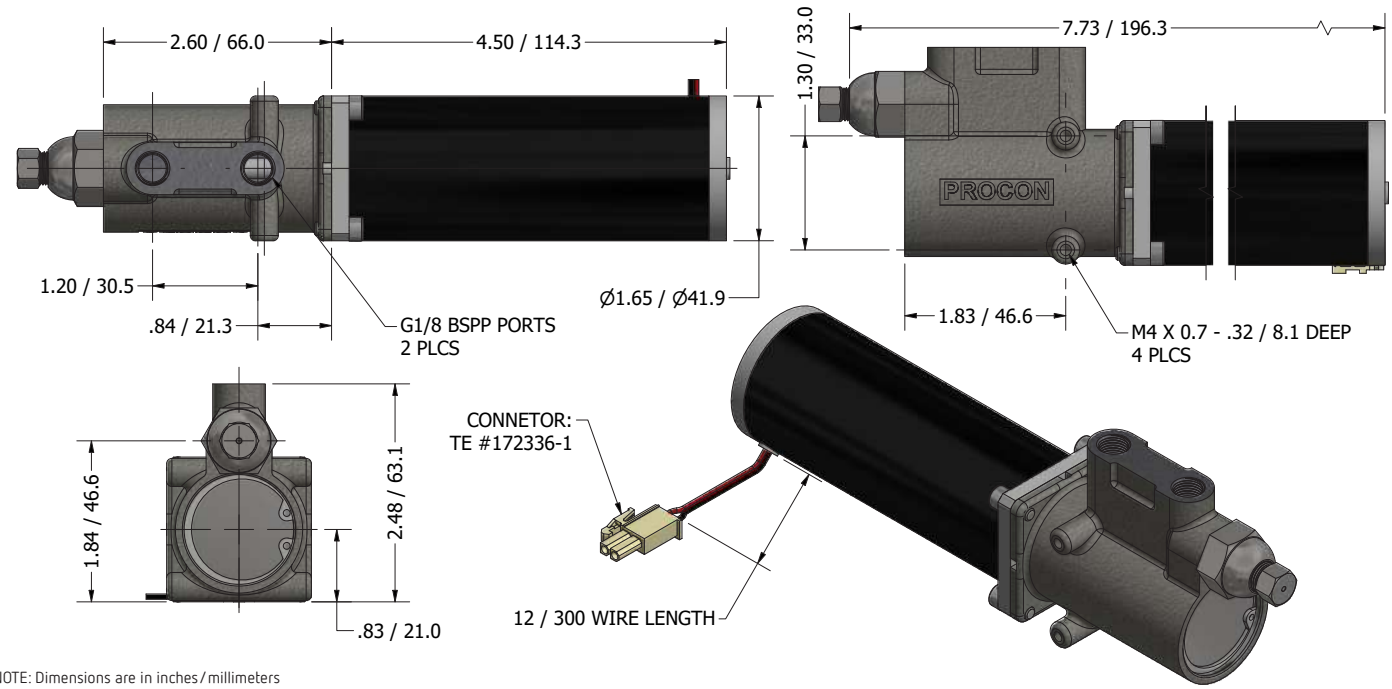
Technical Information			
Housing and motor shaft	304 Stainless Steel	Motor Type	24V Brushed DC
Gears and Bushing	Carbon Fiber PEEK	Max Speed	4000 RPM
Seals	Carbon / Silicon Carbide	Max Output Power	60W
Elastomers	Nitrile, EPDM (FDA,NSF Approved)	Max. Input Current	2.9A
Valves	Plastic (ultem & acetal)	Motor IP Protection	IP20
Ports	G 1/8"	Insulation Class	F
Unit Weight	1.1 kg (2.5 lbs.)		

Operating Range			
Max. Fluid Viscocity [2]	100 Centipoise	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)



NOTES:
[1] Consult with manufacturer for extreme operating conditions
[2] Flow may vary with viscosity
[3] Performance based on pump tested with water at room temperature

DIMENSION AND CONNECTION DETAILS



NOTE: Dimensions are in inches/millimeters

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