mGPRO 4Bwc

MICRO GEAR PUMP LOW PRESSURE(4BAR) WITH BRUSHLESS MOTOR & CONTROLLER

5191FCT2GXXBAA
5191GCT2GXXBAA



General Applications

Milk Frothing
Espresso / Coffee
Syrup Dispensing
Ink Dispensing
Syrup Dispensing
Detergent Dispensing
Medical Application

Features and Benefits

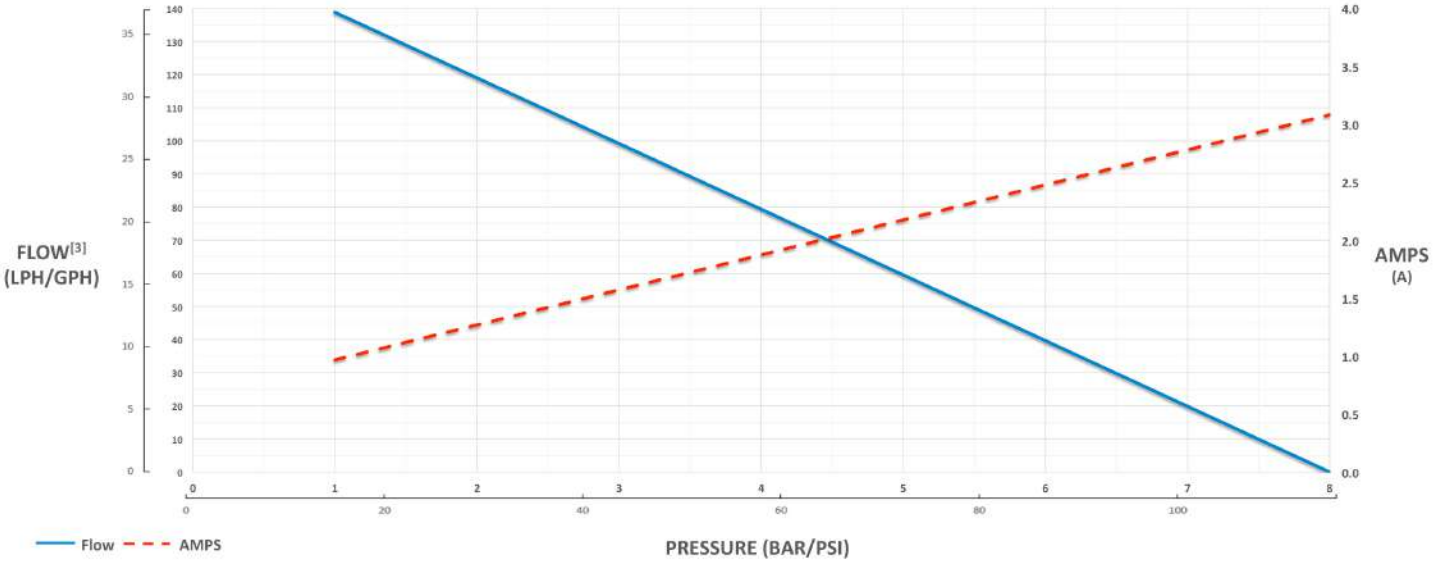
- Self priming (water) and maintenance free with low vibration and pulsation characteristics
- Innovative mechanical seal design requires less sanitizing
- Positive Displacement Gear Pump with 24VDC brushless motor with built in controller
- Self-priming and maintenance free with low vibration and pulsation characteristics
- Stainless Steel housing works with acidity > 2 pH [1]
- Available without an Internal Relief valve, with a set range of 1 to 4 Bar (14 to 60 PSI)

Technical Information			
Housing and motor shaft	304 Stainless Steel	Motor Type	24V Brushless DC with control
Gears and Bushing	Carbon Fiber PEEK	Motor IP Protection	IP 20
Seals	Carbon / Silicon Carbide	Insulation Class	B
Elastomers	EPDM or Fluorocarbon	Speed Control	0-5VDC Input Signal
Ports	G 1/8"	Unit Weight	0.75 kg (1.65 lbs.)
Valve Material	Teflon		

Motor Performance				
	Max Output Power	Max Speed	Max. Input Current	Relief Valve
5191FCT2GXXBAA	34 W	3,300 RPM	1.6 A	No
5191GCT2GXXBAA	34 W	3,300 RPM	1.6 A	Yes

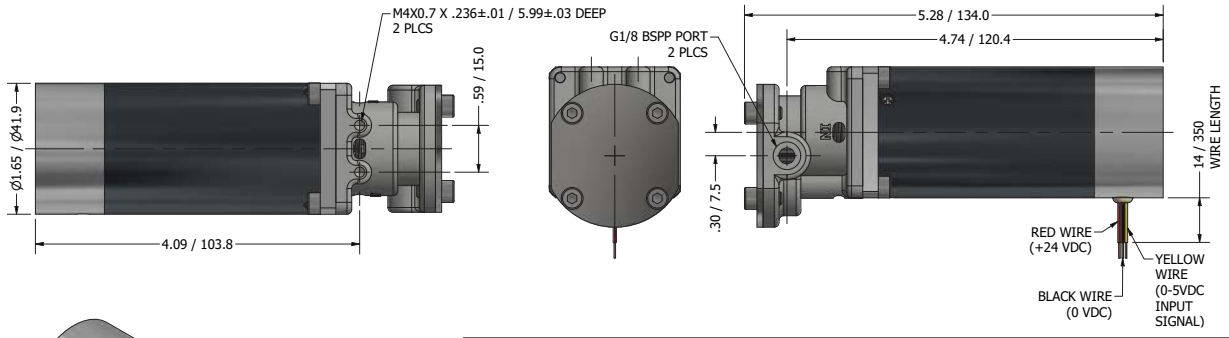
Operating Range			
Max. Fluid Viscocity	20,000 Centipoise [2]	Fluid Temperature	-20° to 80°C (-4° to 176°F)
Max. Sound Level	60 dBA	Max Static Pressure	4 bar (60 PSI)
Max Vacuum Dry	1M (3.3 ft)	Max Discharge Pressure (Intermittent)	6 bar (90 PSI)
Max Vacuum Wet	2M (6 ft)	Max Discharge Pressure (Continuous)	3 bar (45 PSI)

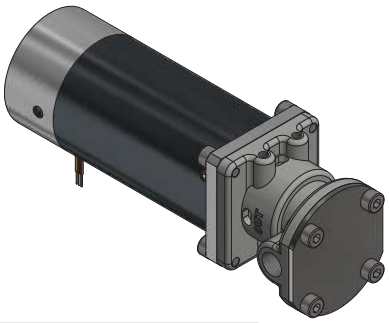
mGPRO 4Bwc PERFORMANCE

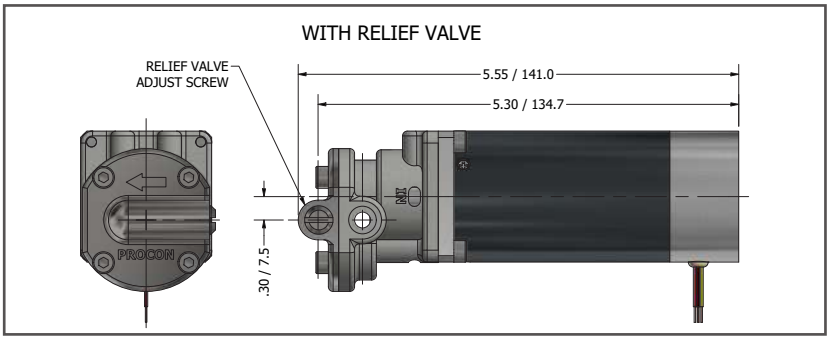


NOTES:
[1] Consult with manufacturer for extreme operating conditions
[2] Flow may vary with viscosity
[3] Performance based on pump tested with water at room temperature & at full speed

DIMENSION AND CONNECTION DETAILS







NOTE: Dimensions are in inches/millimeters

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