hGPRO 20
HELICAL GEAR PUMP WITH BRUSHED MOTOR

5191RGT2GXXACS
5191RGT2GXXAEJ



Features and Benefits

- Self priming (water) and maintenance free with low vibration and pulsation characteristics
- Innovative mechanical seal design requires less sanitizing and reduces the foot print of the pump compared with the conventional Magnetically coupled Gear pumps.
- Suitable for higher load and pressure applications; less wear and compact size
- Higher gear contact area; smoother and quieter operation

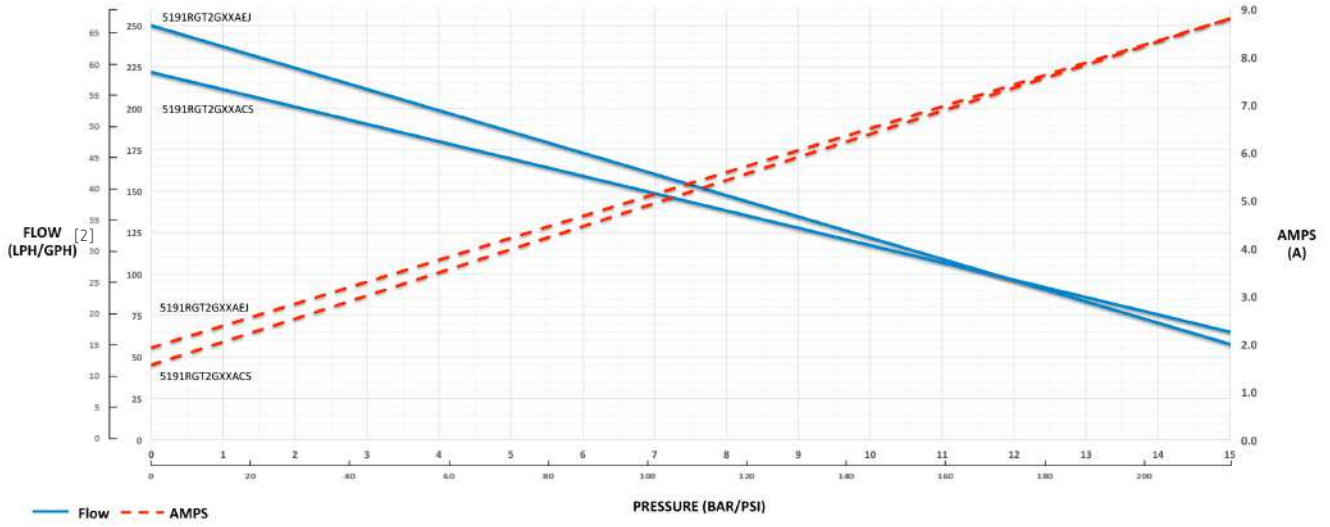
General Applications

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 Brushed DC
Gears and Bushing	Carbon Fiber PEEK	Motor IP Protection	IP 20
Seals	Carbon / Silicon Carbide	Insulation Class	F
Elastomers	EPDM (FDA,NSF Approved)	Unit Weight	0.9 kg (1.97 lbs.)
Ports	G 1/8"		

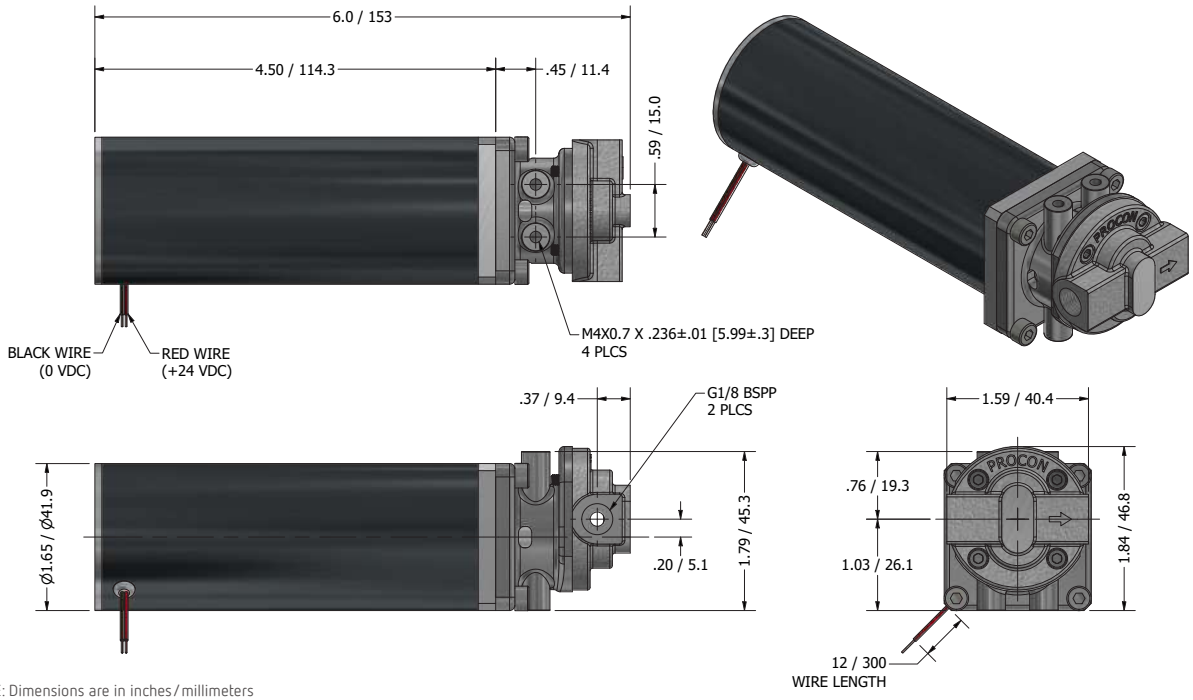
Motor Performance			
	Max Speed	Max Output Power	Max. Input Current
5191RGT2GXXACS	3,440 RPM	50 W	3.0 A
5191RGT2GXXAEJ	4,000 RPM	60 W	4.1 A

Operating Range			
Max. Fluid Viscocity	20,000 Centipoise [1]	Fluid Temperature	-20° to 90°C (-4° to 194°F)
Max. Sound Level	60 dBA	Max Static Pressure	20 bar (290 PSI)
Max Vacuum Dry	1M (3.3 ft)	Max Discharge Pressure (Intermittent)	17 bar (250 PSI)
Max Vacuum Wet	8M (26 ft)	Max Discharge Pressure (Continuous)	6 bar (90 PSI)



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

DIMENSION AND CONNECTION DETAILS



NOTE: Dimensions are in inches / millimeters

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