

High Pressure Single Syringe Pump

The syringe pumps are designed for applications requiring accurate pulseless flow and pressure control for delivery of low viscosity liquids. The pumps are capable of constant flow and constant pressure operations over a wide pressure/flow rate ranges. The pump design incorporates motor driven piston, pressure and an optional temperature measurement to flexibly comply with most applications.



Specification	HPS-BR31	HPS -PR31	HPS-BR11	HPS-BR51
Volume	30 ml	30 ml	100 ml	500 ml
Max Flow Rate	5 ml/min	5 ml/min	20 ml/min	50 ml/min
Min Flow Rate	0.01 ml/min	0.001 ml/min	0.01 ml/min	0.01 ml/min
Flow Accuracy	1% F.S.	0.1% F.S.	1% F.S.	1% F.S.
Maximum Working Pressure	6,000 Psi	10,000 Psi	6,000 Psi	6,000 Psi
Pressure Accuracy	1% F.S.	0.1% F.S.	1% F.S.	0.1% F.S.
Input Power Supply	220 VAC, 50Hz	380 VAC 3 Phase, 50/60 Hz	220 VAC, 50Hz	220 VAC, 50Hz
Wetted Parts Material	Stainless Steel 316	Stainless Steel 316/Hastelloy	Stainless Steel 316	Stainless Steel 316
Pulseless Constant Flow/Constant Pressure Modes	✓	✓	✓	✓
Injection/Withdrawal Modes	✓	✓	✓	✓
Automatic Control & Data Acquisition System	✓	✓	✓	✓
Data Acquisition System	✓	✓	✓	✓
Triple Position Safety Limit	✓	✓	✓	✓
Dual Pressure Safety Limit	✓	✓	✓	✓

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