Cordis High Pressure Controller

CHP-HFI-6MG

The Cordis uses a microcontroller, integrated pressure sensor, and two Clippard electronic valves. The inlet valve is connected to the moderately regulated supply pressure and the exhaust valve is connected to a port that vents excess pressure to atmosphere. Once a command is increased, the inlet valve opens up to allow supply pressure to pass over the sensor element which provides an active feedback for the microcontroller to satisfy the set point in the process. If at any point the sensor detects a value higher than the set point, the exhaust valve will modulate open to vent off the excess pressure to maintain a stable and accurate control pressure in the process.

****NOTE****	Consult Clippard for Custom Calibrated Ranges
2D Files	2D Files
Accessories	8-Pin Actuation Cable, 6': CPCH-C1, 3.3 VDC Serial Cable, 3': CPCH-C2, Mounting Bracket: CPCH-B2
Accuracy	±0.5% of full scale
Calibrated Range	0 to 69 bar
Current Draw	<250 mA max.
Data Sheet	Data Sheet
Filtration	40 micron (recommended)
Function	Normally-Closed
Linearity	≤0.2%
Max. Hysteresis	≤0.25%
Max. Inlet	550 psig (38 bar) ≤500 psig (34.5 bar), 1100 psig (76 bar) ≥501 psig
Medium	Clean, Dry, Non-Corrosive Gases
Min. Volume/Flow @ Max. Pressure	≥0.75 in3 / 3.0 l/min
Mounting Attitude	Any
Operating Instructions	Operating Instructions
Operating Pressure	Vac. to 1,000 psig (69 bar)
Operating Temperature Range	32 to 180°F (0 to 82°C)
Port Size	1/8" NPT
Product Line Brochure	Cordis Electronic Controls
Protection Rating	IP65
Resolution	≤50 mV
Response Time	<20 ms Typical (application dependent)
Signal/Command	4 to 20 mA
Type	Housed Unit
Weight (lbs.)	1.0800