



Cordis Dynamic Pressure Controller

CP1-CMIE-MA



Clippard's Cordis CP1 single-valve pressure controller provides a compact, cost-effective solution for applications where a proportional valve is specified to maintain pressure or flow in a closed-loop application. By combining a single proportional valve with closed-loop capabilities with a sensor, the CP1 eliminates the need for additional programming, specifying sensors, and selecting a separate proportional valve. Achieve incredible results in dynamic applications like control of carrier gasses, blanketing gasses, cutting gasses, dynamic dispensing, or critical polishing applications with the phenomenal high resolution, high accuracy, and repeatability of the Cordis line.

NOTE	Consult Clippard for Custom Calibrated Ranges
2D File	2D File
Accessories	Power Cord, 6' to 4-Pin Male Mating Connector CPCH-CA4
Accuracy	±0.25% of Full Scale
Applications Form	Applications Form
Calibrated Pressure Range	0 to 7 bar
Current Draw	<250 mA max.
Data Sheet	Data Sheet
Filtration	40 micron (recommended)
Flow @ Max. Pressure	2.7 l/min @ 150 psig (10 bar)
Flow Range	2.7 to 65 l/min Typical, ±10% @ 100 psig (7 bar)
Function	Normally-Closed Proportional
Linearity	±0.05% BFSL
Max. Hysteresis	±0.05% of Full Scale
Medium	Clean, Dry, Non-Corrosive Gases
Mount	In-Line
Mounting Attitude	Any
Operating Instructions	Operating Instructions
Operating Pressure	Vac. to 150 psig (10.3 bar)
Operating Temperature Range	32 to 120°F (0 to 48.9°C)
Product Line Brochure	Cordis Electronic Controls
Resolution	≤5 mV
Response Time	<20 ms (application dependent)
Signal/Command	0 to 10 VDC
Typical Flow	2.7 to 65 l/min (±10% @ 100 psig [7 bar])
Unit	Metric
Weight (lbs.)	1.21 Estimated (Oz.)

