Cordis High Volume Booster

Utilizing the same microcontroller, integrated pressure sensors, and two Clippard EVP proportional valves, Clippard's Cordis booster series provides precise linear pressure control similar to that of the CPC series with the added benefit of phenomenal forward and reverse flow characteristics. With the inlet and exhaust valves connected to the pilot area of the integral volume booster, the comparative circuit responds to the given command by referencing the on-board sensor located on the output control path of the booster. If at any point the on-board downstream sensor indicates a value higher or lower than the set point command, the comparative circuit immediately opens either the exhaust or inlet valve to maintain stable and accurate control pressure in the application process, but with significantly high flow capabilities.

Accessories	Actuation Cable, 8-Pin, 6' (1800 mm): CPCH-C1, 3.3 VDC Serial Cable, 3' (900 mm): CPCH-C2, Mounting Bracket: CPCH-B3
Accuracy	±0.50% of Full Scale
Air Flow	42.5 scfm @ 80 psig (5,5 bar) typical
Applications Form	Applications Form
Current Draw	<250 mA max.
Data Sheet	Data Sheet
Filtration	40 micron filter (recommended)
Function	Normally-Closed 2-Way Proportional
Hysteresis	±0.50% of Full Scale, Max.
LED Indicators	Power (red) and command mode (blue—solid indicates analog, flashing indicates serial)
Linearity	±0.50% BFSL
Material, Wetted	Aluminum, Nitrile, FKM, Brass
Medium	Clean, dry, non-corrosive gases
Monitor Signal Accuracy	±0.30% of full scale
Mounting Attitude	Any
Operating Instructions	Operating Instructions
Operating Pressure	Vac. to 150 psig (10 bar)
Operating Temperature Range	Proportional Valve: 32 to 120°F (0 to 49°C)
Product Line Brochure	Cordis Electronic Controls
Protection Rating	IP65
Resolution	≤35 mV
Response Time	<20 ms typical (application dependent)
Supply Voltage	15 to 24 VDC