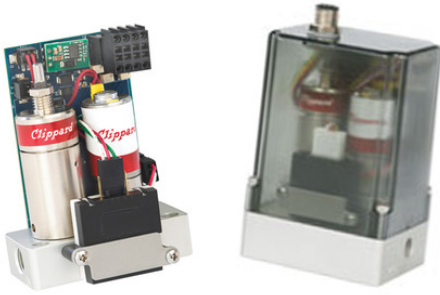


Cordis Electronic Flow Controller

CFC-CFE-AAA



The Cordis Flow Controller utilizes an extremely fast-reacting MEMS technology sensor upstream from Clippard's proportional valve. Unlike other mass flow controllers, the Cordis flow controller requires less than one minute warm-up, features a pressure drop $\leq 14"$ H₂O, and includes flow ranges as low as 0 to 30 sccm. Standard control options include 0.2 to 10 VDC, 4.32 to 20 mA, and 3.3 VDC Serial. IP65 housing available for light industrial applications.

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|------------------------------------|--|
| **Note | Please consult factory for current pricing |
| 2D File | 2D File |
| Accessories | 3.3 VDC Serial Cable: CPCH-C2 , Power Cord, 6': CPCH-CA6 , Actuation Cable, 8-Pin, 6': CPCH-C1 |
| Accuracy | $\leq 2\%$ of Full Scale |
| Applications | Applications Form |
| Calibrated Flow Range | 0 to 0.03 l/min |
| Current Draw | ≤ 250 mA max. |
| Data Sheet | Data Sheet |
| Filtration | 40 micron (recommended) |
| Flow Range | Minimum: 0 to 15 sccm, Maximum: 0 to 6 l/min |
| Function | Normally-Closed Proportional |
| Hysteresis | $\leq 1\%$ |
| Linearity | $\leq 1\%$ |
| Material, Manifold | Anodized Aluminum |
| Material, Sensor | Polyamide |
| Max. Inlet | 60 psig (4 bar) |
| Medium | Clean, Dry, Non-Corrosive Gases |
| Mounting Attitude | Any |
| Operating Instructions | Operating Instructions |
| Operating Temperature Range | Proportional Valve: 32° to 120°F (0 to 49°C) |
| Porting | 1/8" NPT |
| Pressure Drop | $\leq 14"$ H ₂ O |
| Product Line Brochure | Cordis Electronic Controls |
| Regulated Supply | No Regulator |
| Repeatability | $\leq 1\%$ |
| Resolution | ≤ 25 mV |
| Response Time | <50 ms (application dependent) |
| Signal/Command | 0.2 to 10 VDC |
| Supply Pressure | 5 to 10 psig |
| Turndown Ratio | 50:1 |
| Type | Card Unit |
| Voltage | 15 to 24 VDC |
| Warm-Up Period | <1 Minute |
| Weight (lbs.) | 0.4000 |

