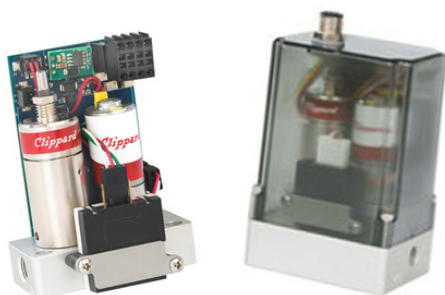




## Cordis Electronic Flow Controller

### CFC-CFE-BDE



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  $\leq 14''$  H<sub>2</sub>O, 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.

|                                    |                                                                                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>**Note</b>                      | Please consult factory for current pricing                                                                                                     |
| <b>2D File</b>                     | <a href="#">2D File</a>                                                                                                                        |
| <b>Accessories</b>                 | 3.3 VDC Serial Cable: <a href="#">CPCH-C2</a> , Power Cord, 6': <a href="#">CPCH-CA6</a> , Actuation Cable, 8-Pin, 6': <a href="#">CPCH-C1</a> |
| <b>Accuracy</b>                    | $\leq 2\%$ of Full Scale                                                                                                                       |
| <b>Applications</b>                | <a href="#">Applications Form</a>                                                                                                              |
| <b>Calibrated Flow Range</b>       | 0 to 4 l/min                                                                                                                                   |
| <b>Current Draw</b>                | $\leq 250$ mA max.                                                                                                                             |
| <b>Data Sheet</b>                  | <a href="#">Data Sheet</a>                                                                                                                     |
| <b>Filtration</b>                  | 40 micron (recommended)                                                                                                                        |
| <b>Flow Range</b>                  | Minimum: 0 to 15 sccm, Maximum: 0 to 6 l/min                                                                                                   |
| <b>Function</b>                    | Normally-Closed Proportional                                                                                                                   |
| <b>Hysteresis</b>                  | $\leq 1\%$                                                                                                                                     |
| <b>Linearity</b>                   | $\leq 1\%$                                                                                                                                     |
| <b>Material, Manifold</b>          | Anodized Aluminum                                                                                                                              |
| <b>Material, Sensor</b>            | Polyamide                                                                                                                                      |
| <b>Max. Inlet</b>                  | 60 psig (4 bar)                                                                                                                                |
| <b>Medium</b>                      | Clean, Dry, Non-Corrosive Gases                                                                                                                |
| <b>Mounting Attitude</b>           | Any                                                                                                                                            |
| <b>Operating Instructions</b>      | <a href="#">Operating Instructions</a>                                                                                                         |
| <b>Operating Temperature Range</b> | Proportional Valve: 32° to 120°F (0 to 49°C)                                                                                                   |
| <b>Porting</b>                     | 1/8" NPT                                                                                                                                       |
| <b>Pressure Drop</b>               | $\leq 14''$ H <sub>2</sub> O                                                                                                                   |
| <b>Product Line Brochure</b>       | <a href="#">Cordis Electronic Controls</a>                                                                                                     |
| <b>Regulated Supply</b>            | Clippard DR-2 Regulator                                                                                                                        |
| <b>Repeatability</b>               | $\leq 1\%$                                                                                                                                     |
| <b>Resolution</b>                  | $\leq 25$ mV                                                                                                                                   |
| <b>Response Time</b>               | <50 ms (application dependent)                                                                                                                 |
| <b>Signal/Command</b>              | 0.2 to 10 VDC                                                                                                                                  |
| <b>Supply Pressure</b>             | 31 to 40 psig                                                                                                                                  |
| <b>Turndown Ratio</b>              | 50:1                                                                                                                                           |
| <b>Type</b>                        | Card Unit                                                                                                                                      |
| <b>Voltage</b>                     | 15 to 24 VDC                                                                                                                                   |
| <b>Warm-Up Period</b>              | <1 Minute                                                                                                                                      |
| <b>Weight (lbs.)</b>               | 0.4000                                                                                                                                         |

