

# Flow Control Valve

## FCV0300



The unique design of the valve is such that, provided the supply gas pressure remains constant, a consistently accurate flow of gas can be maintained when the downstream pressure changes. A typical example would be when filling a large buffer tank or a pipe work system, especially from a Nitrogen separation system.

- Ensure all connecting pipe work is free from debris before installing valve
- Mount using the holes provided in the unit if not connected to rigid pipe work
- Do not attempt to dismantle this valve - specialist tooling is required for safe disassembly and reassembly
- **This valve is not suitable for use with O2 concentrations greater than 25%**

| General Details   |                      | Design Details      |                                  |
|-------------------|----------------------|---------------------|----------------------------------|
| Product Name      | Flow Control Valve   | Dimensions          | 2.38" Diameter (60 mm)           |
| Part Number       | FCV0300              | Weight              | 1.4 lbs (0.65 kg)                |
| Gases Suitable    | Inert Gases, O2 <25% | Connections         | 1/4" BSPP & NPT                  |
| Flow Capabilities | 636 cfh (300 lpm)    | Gas Inlet Pressure  | 72-203 psig (5-14 bar g)         |
| Manufacturer      | McDantim, Inc.       | Max Outlet Pressure | Inlet Gas less 15 psig (1 bar g) |
| Telephone         | 406-442-5153         | Design Pressure     | 217 psig (15 bar g)              |
| Email             | info@mcdantim.com    | Temperature Range   | 14° to 122°F (-10° to 50° C)     |

| Main Features & Benefits            |  |
|-------------------------------------|--|
| Aluminum Body                       | Lightweight & Robust Construction                |
| Simple to Set Up & Install          | Built-In Flow Adjuster & Pressure Balance System |
| Standard Inlet & Outlet Connections | Accurate and Constant Flow of Gas                |
| Cost Effective & Low Maintenance    |  |

