The Series DCV/RDCV Dust Collection Valves are ideal for use with the Series DCT1000 and Series DCT500 duct collection timer boards for controlling the air pulse in jet pulse type dust collectors to clean the filters. Both the Series DCV and RDCV have the option for either coupling or NPT connections. The coupling connection allows for a quick and simple installation. Only the stub pipe and blowtube need to be cleaned and deburred before the valve is fit into position. The “T” Series DCV has female threaded connections. Both the “C” and “T” versions have a 90° angle between the inlet and outlet the most suitable configuration for pulse valve applications. The design offers not only ease of installation, but also minimal airflow restriction for an exceptional cleaning pulse. The valves are offered in both integrated and remote coil configurations.

**SPECIFICATIONS**

**Service:** Compatible gases, filtered and oil free.

**Wetted Materials:** Body: Aluminum; Trim: 304 SS; Diaphragm and seals: NBR; Diaphragm disc: Polyamide.

**Other Materials:** Cover: Aluminum; Body bolts and spring: 304 SS.

**Pressure Limits:** Minimum of 4.4 psi (0.3 bar), maximum of 124.7 psi (8.6 bar).

**Temperature Limits:** Ambient: -4 to 140°F (-20 to 60°C) for RDCV models, -4 to 122°F (-20 to 50°C) for DCV models; Operating: -4 to 185°F (-20 to 85°C).

**Power Requirements:** 110 VAC, 10 to 20 for 220 VAC, or to 30 for 24 VDC for DCV models.

**Power Consumption:** 12 W, inrush: 17 VA; holding: 14.5 VA for DCV models.

**Electrical Connection:** DIN connection for DCV models.

**Enclosure Rating:** NEMA 4X (IP65) for DCV models.

**Process Connection:** See model chart.

**Mounting Orientation:** Any position.

**Agency Approvals:** CE.

**Model** | **Size** | **Solenoid** | **Connection** | **Number of Diaphragms** | **Cv Factor (gal/min)**
--- | --- | --- | --- | --- | ---
RDCV20T | 3/4˝ | Remote NPT | NPT Coupling NPT Coupling | 1 | 14
RDCV20C | 3/4˝ | Remote NPT | NPT Coupling NPT Coupling | 1 | 14
DCV20T1D | 1˝ | Remote NPT | NPT Coupling NPT Coupling | 1 | 23
DCV20C1D | 1˝ | Remote NPT | NPT Coupling NPT Coupling | 1 | 23
DCV35T | 1-1/2˝ | Remote NPT | NPT Coupling NPT Coupling | 1 | 42
DCV35C | 1-1/2˝ | Remote NPT | NPT Coupling NPT Coupling | 1 | 42
DCV45T | 2˝ | Remote NPT | NPT Coupling NPT Coupling | 1 | 51
DCV45C | 2˝ | Remote NPT | NPT Coupling NPT Coupling | 1 | 51
RDCV50T | 2˝ | Remote NPT | NPT Coupling NPT Coupling | 2 | 106
RDCV50T1D | 2˝ | Remote NPT | NPT Coupling NPT Coupling | 2 | 106
RDCV62T1D | 2˝ | Remote NPT | NPT Coupling NPT Coupling | 2 | 136
RDCV62T | 2˝ | Remote NPT | NPT Coupling NPT Coupling | 2 | 136
RDCV76T1D | 3˝ | Remote NPT | NPT Coupling NPT Coupling | 2 | 167
RDCV76T | 3˝ | Remote NPT | NPT Coupling NPT Coupling | 2 | 167

* 110 VAC with DIN Connector.

The Muffler Accessory can be easily field installed to any diaphragm valve with an exhaust. Pneumatic exhaust ports are on the diaphragm valves that have dual diaphragms and the units with the integral mounted solenoid. The muffler decreases the amount of noise when the air is exhausted from the valve. Valves with dual diaphragms and an integral solenoid have two exhaust ports and will require one A-237 and one A-238.

**ACCESSORIES**

- A-237
- A-238

**Model** | **Description** | **Fits Valve Sizes**
--- | --- | ---
A-237 | 1/8 NPT | 3/4˝, 1˝, 1-1/2˝, RSV
A-238 | 3/8 NPT | 1-1/8˝, 2˝, 1-1/2˝, 3˝