



Series
DCV/RDCV

Diaphragm Valves

CE



DCV62T1D



DCV20C1D



RDCV62T



RDCV20C

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.

ACCESSORIES



A-238



A-237

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.

Model	Size	Solenoid	Connection	Number of Diaphragms	Cv Factor (gal/min)
RDCV20T	3/4"	Remote	NPT	1	14
RDCV20C		Remote	Coupling		
DCV20T1D		Integral*	NPT		
DCV20C1D		Integral*	Coupling		
RDCV25T	1"	Remote	NPT	1	23
RDCV25C		Remote	Coupling		
DCV25T1D		Integral*	NPT		
DCV25C1D		Integral*	Coupling		
RDCV35T	1-1/2"	Remote	NPT	1	42
RDCV35C		Remote	Coupling		
DCV35T1D		Integral*	NPT		
DCV35C1D		Integral*	Coupling		
RDCV45T	1-1/2"	Remote	NPT	2	51
RDCV45C		Remote	Coupling		
DCV45T1D		Integral*	NPT		
DCV45C1D		Integral*	Coupling		
RDCV50T	2"	Remote	NPT	2	106
DCV50T1D		Integral*	NPT		
RDCV62T	2-1/2"	Remote	NPT	2	136
DCV62T1D		Integral*	NPT		
RDCV76T	3"	Remote	NPT	2	167
DCV76T1D		Integral*	NPT		

* 110 VAC with DIN Connector.

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

