

DIAPHRAGM PULSE VALVES



DCV/RDCV Diaphragm Pulse Valves

- ▶ **Ease of Installation:** Industry standard right angle body with 90° angle between inlet and outlet. Most sizes offer the same mounting dimensions as major competitor units so no changes have to be made to your collector construction.
- ▶ **Long Lasting Construction:** Die cast aluminum body, 304 SS bolts and spring, NBR seals and diaphragm, polyamide diaphragm disc.
- ▶ **Good Air Pulse:** Valve is quick to respond and offers a good strong pulse with low air restriction.
- ▶ **Repairability:** Spare parts kits are readily available for easy field repair.
- ▶ **Flexibility in Collector Design:** Many valve varieties and options so that we can offer the best valve for your application.

Product Offering

Connections:

- ▶ Threaded female NPT connections for secure mounting onto stud pipe.
- ▶ Compression coupling connections offering quick and easy installation without the need for connectors or adapters.

Coils:

- ▶ Remote or integrated.
- ▶ Voltages of 110 VAC, 220 VAC, or 24 VDC.

Sizes:

- ▶ 3/4" to 3".

DCV/RDCV MODELS

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

* 110 VAC with DIN Connector

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, 220 VAC, or 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.