**Springless Diaphragm Valves**

The Series DCS/RDCS Springless Dust Collection Valves are ideal for use with
the Series DCT1000 and Series DCT500 duct collection timer boards. A springless design
offers not only durability, but also reliability for an exceptional cleaning pulse. Both the
Series DCS and RDCS 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 DCS has female threaded connections and the “C” Series DCS has a coupling
connection. Both the “T” and “C” versions have a 90° angle between the inlet and outlet:
the most suitable configuration for pulse valve applications. The valves are offered in both
integrated and remote coil configurations.

**FEATURES**
- Thermoplastic polyurethane diaphragm for longer life
- High flow factor for effective cleaning
- Unique diaphragm design eliminates spring
- Valve can be mounted in any position
- Quick on & off response time

**SPECIFICATIONS**
- **Service:** Compatible gases, filtered and oil free.
- **Wetted Materials:**
  - Body: Aluminum;
  - Diaphragm disc: Thermoplastic polyurethane;
  - Solenoid seals: NBR.
- **Other Materials:**
  - Cover: Aluminum;
  - Body bolts: Zinc plated SS;
  - Solenoid: Nylon.
- **Pressure Limits:**
  - Min. of 4.4 psi (0.3 bar), max. of 124.7 psi (8.6 bar).
- **Temperature Limits:**
  - Ambient: -4 to 140°F (-20 to 60°C);
  - Operating: -4 to 185°F (-20 to 85°C).
- **Power Requirements:** 110 VAC, 220 VAC, or 24 VDC for DCS models.
- **Power Consumption:** 12 W; Inrush: 17 VA; Holding: 14.5 VA for DCS models.
- **Electrical Connection:** DIN connection for DCS models.
- **Enclosure Rating:** NEMA 4X (IP65) for DCS models.
- **Process Connection:** See model chart.
- **Mounting Orientation:** Any position.
- **Agency Approval:** CE.

**ACCESSORY**
- A-237, Muffler
- BDA-2030-Q, 3/4˝ DCS/RDCS Pulse Valve Replacement Diaphragm
- BDA-52030-Q, 1˝ DCS/RDCS Pulse Valve Replacement Diaphragm
- BDA-5430-Q, 1-1/2˝ DCS/RDCS Pulse Valve Replacement Diaphragm

**DIAPHRAGM VALVE CONSTRUCTION**

**NEW PRODUCT!**