



# General Purpose/Panel Mount Pilot Valves

Brass or Plastic Bodies  
1/8" to 1/4" NPT

Direct Lift

**2/2  
SERIES  
Dust  
Collector**

## Features

- Designed to pilot large dust collector pulse valves
- For individual installation or mounting in panel enclosure
- Brass bodied valve has threaded exhaust port for optional muffler installation, and screw or leaded terminals
- Plastic body valve designed for plastic or metallic tubing, has spade terminals
- All with bubble-tight seals
- Zero minimum pressure

## Construction

| Valve Parts in Contact with Fluids |                        |
|------------------------------------|------------------------|
| Body                               | Brass or PA, as listed |
| Seals and Discs                    | NBR                    |
| Core Tube                          | 305 Stainless Steel    |
| Core and Plugnut                   | 430F Stainless Steel   |
| Shading Coil                       | Copper                 |
| Springs                            | 302 Stainless Steel    |

## Electrical

| Standard Coil and Class of Insulation | Watt Rating and Power Consumption |       |            |           | Spare Coil Part Number |        |                |
|---------------------------------------|-----------------------------------|-------|------------|-----------|------------------------|--------|----------------|
|                                       | DC Watts                          | AC    |            |           | General Purpose        |        | Explosionproof |
|                                       |                                   | Watts | VA Holding | VA Inrush | AC                     | DC     | AC             |
|                                       |                                   |       |            |           |                        |        |                |
| F                                     | -                                 | 6     | 15.6       | 27.5      | 99216 (spade)          | -      | -              |
| F                                     | -                                 | 6     | 15.6       | 27.5      | 125472 (screw)         | -      | -              |
| F                                     | -                                 | 6.1   | 16         | 30        | 238210                 | -      | 238214         |
| B                                     | -                                 | 24.9  | 34.8       | 43.2      | 174879 ①               | -      | -              |
| F                                     | 22                                | 10    | 17.6       | 23.2      | 400135                 | 400135 | -              |

**Standard Voltages:** 24, 120, 240, 480 volts AC, 60 Hz (or 110, 220 volts AC, 50 Hz), 24 volts DC. Other voltages are available when required.

**Note:** ① Maximum voltage 120/60. Higher voltages use Class F Coil, 186548.

## Solenoid Enclosures

**Standard:** RedHat II - Watertight, Types 1, 2, 3, 3S, 4, and 4X;  
RedHat - Open Frame.

**Optional:** RedHat II - Explosionproof and Watertight, Types 3, 4, 4X, 6, 6P, 7, and 9. (To order, add prefix "EF" to catalog number.)

See *Optional Features* Section for other available options.



## Nominal Ambient Temp. Ranges

### 8262 Series

**AC:** -13°F to 131°F (-25°C to 55°C)

**DC:** -13°F to 104°F (-25°C to 40°C)

-13°F to 131°F (-25°C to 55°C)

Note: Max ambient for explosionproof (EF) is 125°F (52°C) for AC, 131°F (55°C) for DC.

### 8257 Series

**Ambient:** AC 0°F to 140°F (-17°C to 60°C)

DC 0°F to 140°F (-17°C to 60°C)

**Fluids:** AC 0°F to 180°F (-17°C to 82°C)

### 8260 Series

**Ambient:** AC constructions: 32°F to 125°F (0°C to 52°C)

**Fluids:** 32°F to 180°F (0°C to 82°C)

## Approvals

### 8262 Series

CSA certified. UL listed, as indicated.

Meets applicable CE directives.

### 8257 Series

CSA certified, file 10381

UL Recognized, file NP618.

SPECIAL  
SERVICE VALVES

## Specifications (English, Metric units)

| Pipe Size<br>(in)                                                                                                                                                                                                                                                                                                                                                  | Orifice Size<br>(in) | Cv Flow Factor | Kv Flow Factor (m³/h) | Max. Operating Pressure Differential psi (bar) | Catalog Number |                                                                 |                                                                 | Watt Rating/ Class of Coil Insulation |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------|-----------------------|------------------------------------------------|----------------|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------|------|
|                                                                                                                                                                                                                                                                                                                                                                    |                      |                |                       |                                                | RedHat II      | RedHat Panel Mount Solenoids with Spade Terminal Coils Standard | RedHat Panel Mount Solenoids with Screw Terminal Coils Standard | AC                                    | DC   |
|                                                                                                                                                                                                                                                                                                                                                                    |                      |                |                       |                                                |                |                                                                 |                                                                 |                                       |      |
| NORMALLY CLOSED (Closed when de-energized), Brass Body - AC Only                                                                                                                                                                                                                                                                                                   |                      |                |                       |                                                |                |                                                                 |                                                                 |                                       |      |
| 1/8                                                                                                                                                                                                                                                                                                                                                                | 1/8                  | .34            | .29                   | 155 (10.7)                                     | 8262H002       | -                                                               | -                                                               | 6.1/F                                 | -    |
| 1/8                                                                                                                                                                                                                                                                                                                                                                | 1/8                  | .34            | .29                   | 155 (10.7)                                     | -              | PSF8262C002 ④                                                   | -                                                               | 6/F                                   | -    |
| 1/8                                                                                                                                                                                                                                                                                                                                                                | 1/8                  | .34            | .29                   | 150 (10.3)                                     | -              | -                                                               | PSFX8262C002-17523 ③④                                           | 6/F                                   | -    |
| 1/8                                                                                                                                                                                                                                                                                                                                                                | 1/8                  | .35            | .29                   | 125 (8.6)                                      | -              | USF8257A001                                                     | -                                                               | 10/F                                  | 22/F |
| NORMALLY CLOSED (Closed when de-energized), PA Body - AC Only                                                                                                                                                                                                                                                                                                      |                      |                |                       |                                                |                |                                                                 |                                                                 |                                       |      |
| 1/4 O.D. Comp. ②                                                                                                                                                                                                                                                                                                                                                   | 1/8                  | .30            | .26                   | 125 (8.6)                                      | -              | USM8260100 ①                                                    | -                                                               | 24.9/B                                | -    |
| 1/8 External NPT                                                                                                                                                                                                                                                                                                                                                   | 1/8                  | .30            | .26                   | 125 (8.6)                                      | -              | USM8260101 ①                                                    | -                                                               | 24.9/B                                | -    |
| ① Spade terminal coils are standard. Solenoid will withstand a total energized time of 12 seconds within any 60 second period.<br>② Fittings not supplied with valve. To order, refer to List Price Schedule.<br>③ Gasketed panel mount pilot valve used in pilot valve enclosure HV125468, -69, and -70.<br>④ For dimensional drawing contact local sales office. |                      |                |                       |                                                |                |                                                                 |                                                                 |                                       |      |

## Dimensions inches (mm)

