



### DESCRIPTION

Differential pressure transmitters are often installed in systems with static pressures much higher than the differential pressure being monitored. During installation, start-up, or shutdown, the pressure differential may exceed the transmitter differential pressure rating, resulting in severe damage to the transmitter. A **Model BVA-5 Bypass Valve Assembly** will minimize this possibility. When it is purchased with a transmitter, the transmitter is assembled in a NEMA 1 or NEMA 3R enclosure with two isolation valves, an equalizing valve, and two vent valves mounted and piped. Optional pressure snubbers are also available mounted on the **Model BVA-5**.

### OPERATION

#### To Place Transmitter in Service:

1. Open V-3.
2. Open V-4 and V-5.
3. Slowly open V-1 and V-2 to bleed the lines of air.
4. Close V-4 and V-5.
5. Open V-1 and V-2 fully.
6. Close V-3 to read differential pressure.

#### To Take Transmitter Out of Service:

1. Open V-3. This will equalize the pressure at the transmitter.
2. Close V-1 and V-2.
3. Open V-4 and V-5 to release pressure.

### SPECIFICATIONS

#### M230

**Dimensions** 12"H x 10"W x 4"D  
(30.5 x 25.4 x 10.2 cm)

**Weight** 10.5 lb (4.8 kg)

#### W30, DPW-692

**Dimensions** 18"H x 12"W x 4"D  
(46.7 x 30.5 x 10.2 cm)

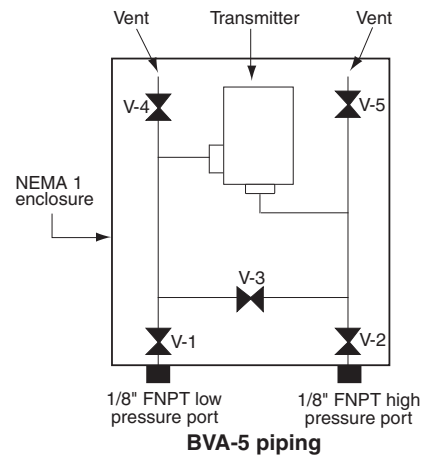
**Weight** 15.5 lb (7 kg)

**Warranty** 1 year



**CAUTION:** A BVA-5 bypass valve assembly is for use on systems with a maximum pressure of 150 psig (1034.3 kPa) at 150°F (65°C) max.

### SCHEMATIC



### ORDERING INFORMATION

**To order BVA-5:** Add the suffix **BVA** after the differential pressure transmitter model number.

**Example:** M230-050PD-C-BVA: M230 differential pressure transmitter 0-50# with NEMA 1 BVA-5-R

**To order 3R enclosure:** Add suffix **BVA-3R** after the differential pressure transmitter model number.

**Example:** M230-050PD-C-BVA-3R: M230 0-50# differential Pressure Transmitter with NEMA 3R BVA-5-R

All **Model BVA-5** bypass systems include mounting and piping of transmitter in a NEMA 1 or NEMA 3R enclosure.