









### Description

One unit, Catalog Number 8908A001, can be used for all 1/4" to 1/2" Posiflow valves with DIN solenoids.

To maintain a specific flow rate, current through the coil must be kept constant and substantially independent from changes in the coil winding resistance (caused by temperature variation). The Electronic Control Unit will accomplish this quite efficiently via pulse width modulation. Voltage to the coil is cut into rectangular pulses by rapidly switching it on and off. By varying the "on" time (pulse width) percentage to compensate for temperature variations, current through the coil is kept constant.

### Construction

|                         |   |
|-------------------------|---|
| Housing Assembly        | PA + FV   |
| Cover                   | PA + FV   |
| Screw                   | Zinc plated steel   |
| Gasket                  | NBR   |
| Connector Specification | ISO 4400/DIN 43650  |
| Protection              | IP 65 (Dust-tight Protection against water jets from any direction) |

### Electrical Characteristics

**Nominal supply voltage:**

24 VDC ± 10%, maximum ripple 10%

**Maximum full-load current:**

1100 mA (factory set at 500 mA)

**Input control signal (selectable):**

0-10 VDC or 0-20 mA or 4-20 mA

**Switch-off current:**

<2% of max. input control signal

**Adjustable off-set:**

15-50% of pulse width modulation voltage

**Adjustable full-load:**

30-100% of pulse width modulation voltage

**Ramp time:**

Manually activated via on/off switch; adjustable 0.1-3 seconds

**Adjustable PWM frequency:**

40-700 Hz

**Power consumption:**

0.8 watts

### Dimensions inches (mm)

| Catalog No. | A         | B         | C         | D         | E         | F        | G         | H           |
|-------------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-------------|
| 8908A001    | 2.76 (70) | 1.89 (48) | 1.18 (30) | 1.61 (41) | 1.18 (30) | 0.16 (4) | 1.26 (32) | 2.03 (51.5) |



