



JOB:

REPRESENTATIVE:

UNIT TAG:

SUBMITTED BY:

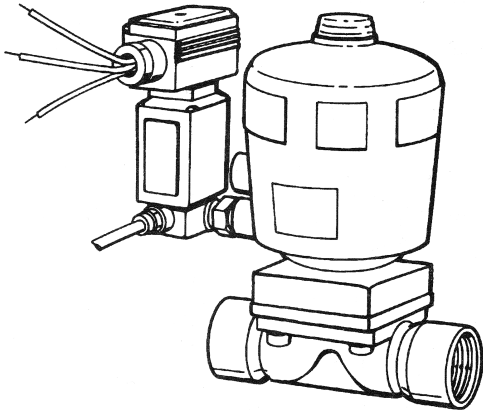
DATE:

ENGINEER:

APPROVED BY:

DATE:

CONTRACTOR:



## **SRS**

### **Pneumatic Purge Valve**

#### **DESCRIPTION**

The SRS Pneumatic Purge Valve is a diaphragm operated valve with programmable timer to be used with the Sediment Removal Separator to periodically discharge sediment that has been separated out by the SRS in open and closed loop hydronic systems.

The valve is pneumatically operated, and power and valve actuation is indicated by two LEDs. Valve cycle and purge duration is factory set for 4 hours and 10 sec, respectively, but can be re-programmed by changing the DIP switches within the easily accessible timer.

#### **OPERATIONAL LIMITS**

Maximum Fluid Operating Temperature..... 250°F (121°C)  
Maximum Fluid Operating Pressure..... 150 PSI (1034 kPa)  
Minimum/Maximum Ambient  
Temperature..... 32-130°F (0-54°C)  
Supply Voltage..... 120V (±10%) at 60 HZ  
Power Consumption  
Solenoid..... 30 VA(inrush); 15 VA/8 W (hold)  
Timer..... 1.0W

#### **CONSTRUCTION**

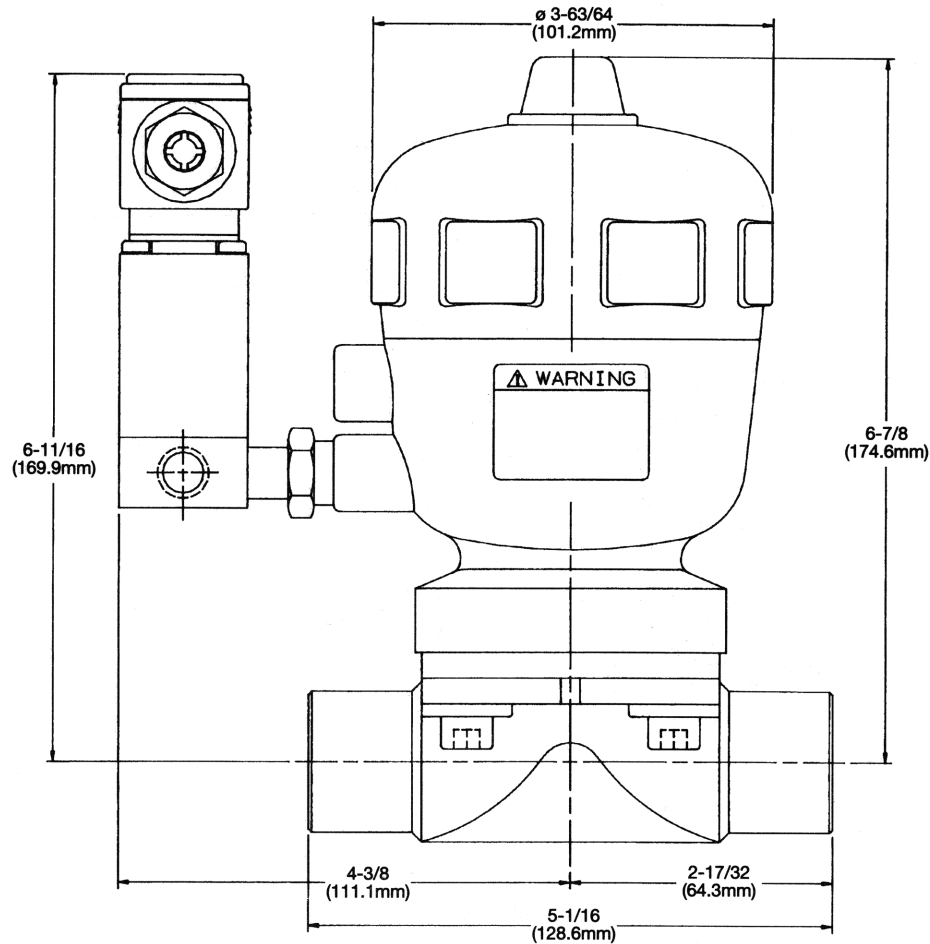
Valve Body..... Stainless Steel  
Actuator and Timer..... Polyamide plastic  
Pilot Valve Body..... Brass

#### **CONTROL**

Control Fluid..... air  
Control Air Pressure..... 65-145 PSI (450-1000 kPa)  
Control Function..... 3-way, direct acting pilot

## SRS Pneumatic Purge Valve

### Dimensions and Weights



**Weight = 6.6 lbs (2.99 kg)**

### TYPICAL SPECIFICATION

Furnish and install as shown on plans a \_\_\_\_\_ " pneumatic purge valve with programmable timer for use with the Bell & Gossett Sediment Removal Separator. Valve shall be of the diaphragm type, where the EPDM diaphragm between the actuator and body isolates the system fluid from the actuator. Valve shall employ a fail safe, normally closed design to prevent system water loss during power outages. The valve shall operate with a minimum of 65 PSI (450 kPa) air control pressure to open the valve and 120V for timer and pilot operation.

The timer shall be pre-set at the factory for a 4 hour purge cycle with a 10 second purge duration per cycle, and be adjustable if conditions require it. The valve shall be designed to handle liquid temperatures up to 250°F (121°C), and fluid pressures up to 150 PSI (1034 kPa). The valve/timer assembly shall be capable of operating in ambient temperatures of 32-130°F (0-54°C).

All units shall be Bell & Gossett Model No. \_\_\_\_\_.