

# INSTALLATION INSTRUCTIONS FOR THE DV TIMER/DRAIN

## INTRODUCTION

The DV Timer/Drain is designed for trouble-free draining of unwanted accumulations of condensate.

## TESTING THE DV TIMER/DRAIN

The DV Timer/Drain can be actuated in one of three ways. First, when power is applied to the timer, the timer will immediately put power to the valve for the amount of time indicated by the setting of the ON TIME. Removing and reapplying power will again actuate the timing cycle. Second, pushing the test button located on the front panel will actuate the valve for as long as the button is depressed. Third, once the timer is plugged in the timing cycle will begin. The valve will be actuated at the interval of time that is indicated by the setting of the knob for the Off Time.

## INSTALLATION and ADJUSTMENTS

**1. USE CAUTION: COMPRESSED AIR CAN BE DANGEROUS. Be sure the pressure vessel on which the drain will be installed is depressurized prior to any attempt to install the Timer/Drain. DO NOT REMOVE the power cord or timer from the valve while the Timer/Drain is plugged in. If the drain does not seem to be working properly, contact your distributor for return authorization. Any attempt to repair the drain without authorization will VOID WARRANTY.**

2. The valve should not be installed on a system with a higher pressure than indicated on the valve. The valve must be installed so that the flow of the condensate is in the same direction as the arrow on the valve. Some valves may be marked with numbers. The flow would be from 1 to 2. Improper installation will cause the valve to leak and could damage the valve seat. For optimum life and performance, a strainer should be placed before the valve to protect it from particulate contamination.

3. Fully drain the vessel by opening an auxiliary gate valve (see Diagram 1) or push the test button on the timer.

4. When all of the condensate has drained, set the OFF TIME to the maximum 45 minute setting and the ON TIME to the maximum 10 seconds.

5. Return prior to the time the drain is expected to open and check to see how long it takes for the valve to exhaust the liquid. If at the end of the drain open period, all the liquid has not been expelled, adjust the OFF TIME downward and repeat steps 3, 4, and 5.

6. Set the ON TIME equal to the amount of time it takes to drain the vessel. We suggest increasing the time by 20% to compensate for small fluctuations in air system usage or climatic changes.

7. The drain should be checked periodically to ensure a proper setting was achieved. In climates with large changes in humidity, the drain should be checked and reset accordingly.

## WARRANTY

The Timer/Drain is warranted to be free from defects in workmanship and materials for a period of one year from the date of shipment. The liability of the manufacturer and/or distributor is limited to repair or replacement of the drain at its option. In no event shall the manufacturer and/or distributor be liable for special or consequential damages or for any delay in performance of this warranty.

