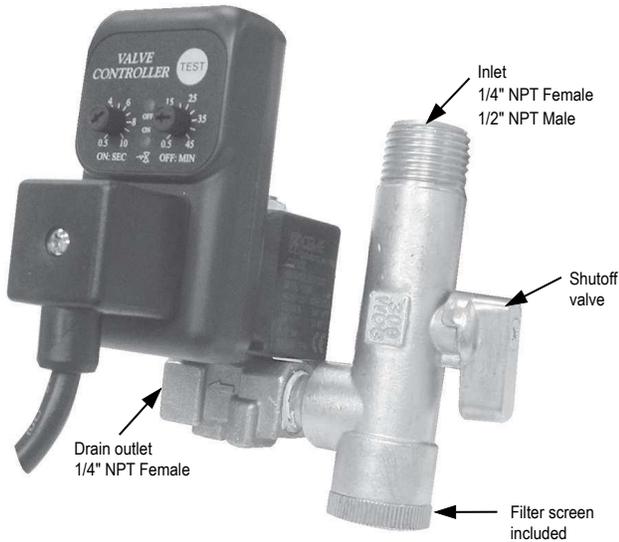




**INSTALLATION INSTRUCTION FOR
THE AUTOMATIC DRAIN WITH
Y-STRAINER VALVE 130512**

SB-6-184-B
Replaced SB-6-184-A



2. The valve should not be installed on a system with more than 200 PSI. The valve must be installed so that the flow of the condensate is in the same direction as the arrow on the valve. Improper installation will cause the valve to leak and could damage the valve seat. For optimum life and performance, a strainer has been factory installed before the valve.
3. Fully drained the vessel by opening an auxiliary by-pass 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 second setting.
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 be 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 20% to compensate for small fluctuations in air 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.

Introduction

The automatic drain is designed for trouble-free draining of unwanted accumulations of condensate. It includes a timer/drain and a Y-strainer with shut-off valve.

How The Automatic Drain Works

The automatic 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.



WHEN INSTALLING OR SERVICING THE AUTOMATIC DRAIN MAKE SURE:

1. Power is TURNED OFF
2. Air system is drained (Zero Pressure)

Installation and Adjustments

This automatic drain must be installed and operated in compliance with all applicable codes.

Verify flow direction. (Stamped on valve body)

Valve can be mounted in any position.

Install a condensate drain on the outlet side of the drain valve for proper collection and drainage of condensate.

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 automatic drain. DO NOT REMOVE the power cord or timer from the valve while the automatic 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.

Timer Setting

Set INTERVAL time (T2) using right adjusting knob.

Set DISCHARGE time (T1) using left adjusting knob.

Set T1 to 2 seconds and T2 to 20 Minutes (Adjust as necessary)

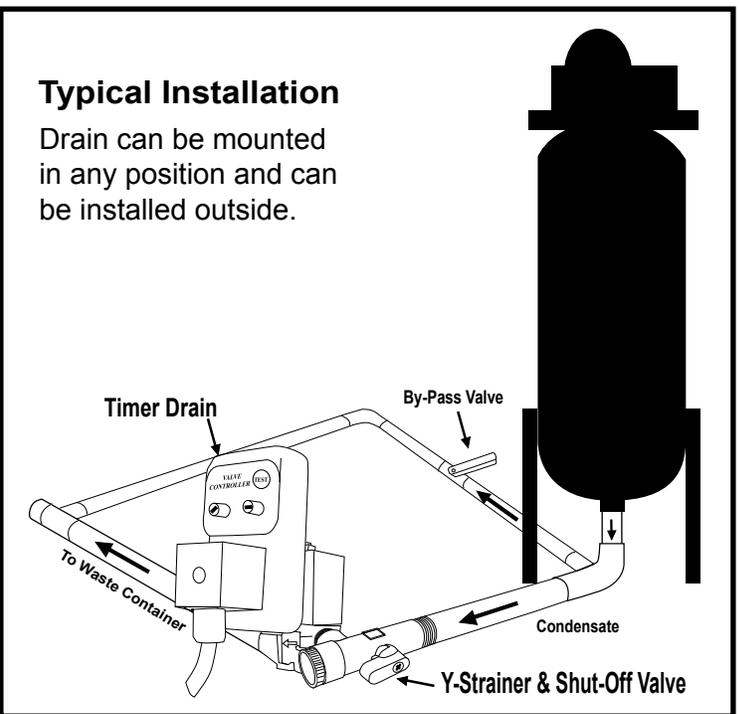


Diagram 1 - Installation

Specifications

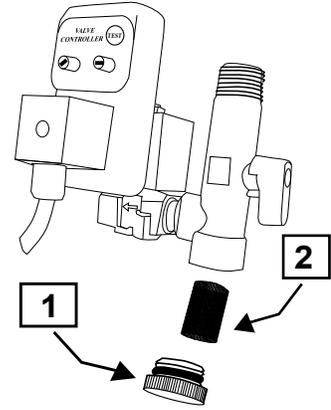
Timer

Interval time (T2)	.5 -45 minutes
Discharge time (T1)	.5 - 10 seconds
Supply voltage	120v /60hz
Current Consumption	4mA Max.
Operating Temperature	-14° F to 122° F
Environmental Protection	NEMA 4
Case Material	ABS Plastic FR Grade

Valve

Type	2-way direct acting valve
In/Out Ports	1/4" NPT Female
Max. Working Pressure	230 PSI
Operating Temperature	36° F to 131° F Ambient
Media Temperature	194° F Max.
Valve Body	Forged Brass
Mounting	Any Position

Maintenance



- (1) Unscrew bottom of strainer
- (2) Pull out screen and rinse with water to clean. Place screen back in strainer body and screw closed. (Make sure "o-ring" is present and not damaged).

Warranty

This product is covered by DeVilbiss' one year limited warranty. See SB1-000, which is available upon request.

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