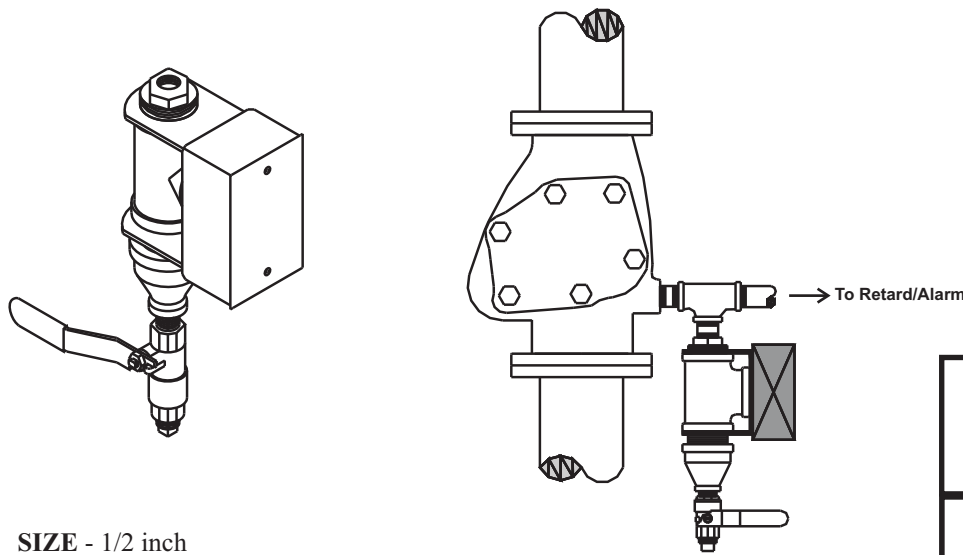




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1100

ALARM CHECK VALVE MONITOR



Switch Ratings
Maximum Resistive Load

VA	Volts	Amps AC	Amps DC
20	0-30	.4	.3
	120	.17	.13
Pilot Duty	240	.08	.06

* Switch Operation Normally Open

SIZE - 1/2 inch

MATERIAL - Carbon Steel.

FINISH - Galvanized.

LISTINGS - UL in US and Canada Pending.

PATENT - No. 6,578,602

FUNCTION - Required component to enhance an alarm check valve's capability to provide backflow protection on class I and II fire sprinkler system per AWWARF Study - see note. Monitor seal of both the alarm check valve and trim by-pass check valve for deterioration or impairment.

INSTALLATION - Confirm that alarm check valve has split seat and rubber gasket on its clapper. Confirm that bypass trim check valve has rubber gasket on its clapper. Install on alarm port trim per alarm check valve manufacturers instructions.

FEATURES -

* Economical alternate to costly backflow assemblies.

* Easily verify operation of #1100 using test valve on alarm check valve trim.

NOTE: The "**Boyle/Poole or AWWARF Study**" (see pages 147 and 148) more completely known by the name: *Impact of Wet-Pipe Fire sprinkler Systems on Drinking Water Quality*, sponsored by AWWA Research Foundation, 1998, confirms the ability of an alarm valve to provide adequate backflow protection under conditions given on those pages (Research Needs), items 3 and 4.

For additional information, please see our website.

#1100
ALARM VALVE
SEAL MONITOR

Patent #6,578,602

INSTRUCTIONS

Alarm Check Valve

1. Verify integrity of clapper seal and trim bypass check valve seal
2. Restore alarm valve to service

#1100

1. Remove drain plug
2. Open drain valve
3. Empty monitor chamber
4. Close drain valve
5. Re-install drain plug
6. #1100 now in service

#1100 Test Protocol

Verify good clapper gasket condition of both the alarm check valve and trim bypass check valve and repair as necessary.

Verify good condition of valve seat in both the alarm check valve and the trim bypass check valve and repair as necessary

Deterioration of the seal assembly of **either** check valve can correctly cause the #1100 alarm to function.

