Features:

- 100% Water Saving. Saves up to 300L of water per test
- Accurately represents 1 sprinkler head in operation.
- Consistent flow rate – irrespective of system pressure.
- No fire pumps operate
- No brigade isolation required during tests. *
- No new oxygenated water is introduced into the system.
- Saves time during testing.
- Prevents pressure fluctuations during test.
- No Drain required.
- UL, FM, LPCB, VdS Approved – Activfire Listed
- Meets requirements of AS2118, AS 1851 and HB233-2008 Fire protection - Water conservation Handbook*

* Assuming pressure switch only is calling brigade.

Description:

ZoneCheck is a world wide patented product that provides a closed loop system to re-circulate water around the flow switch to simulate one sprinkler head in operation without the need to discharge any water from the system.

AS1851 requires Flow switches installed in a sprinkler system to be tested 6 monthly, (FM Global requires this test monthly). During a traditional flow switch test, water is discharged from the down stream end of the pipe. This pressure difference across the flow switch generates a water flow causing the flow switch to operate. The unique ZoneCheck system is the modern way to carry out this important test quickly, efficiently and inexpensively with zero water wastage.

ZoneCheck provides a true and accurate test of the flow switch and compared with a traditional test solenoid/drain arrangement saves up to 300 litres of water per test (dependant on flow switch retard setting). The ZoneCheck pump has a flow control orifice which accurately represents just one sprinkler head in operation, irrespective of current system pressure, which is the only true way to test the effective operation of a flow switch with one sprinkler head operating.

As no water is discharged from the system, the system pressure remains unchanged, therefore no fire pumps operate and there is no need to perform pressure switch/brigade isolations or recharge the system before during or after the tests. This makes testing a much simpler process than any other method so tests can easily be performed on a more regular basis with no system interruption while ensuring correct system operation at all times.

ZoneCheck is simple and easy to install and comes as a complete pressure tested unit with pump, flow switch, and pipe with rolled groove ends for ease of installation. Retrofit and LiveTap versions are also available for existing installations.

ZoneCheck is the best solution for 100% water saving on flow switch testing as per HB 233 – 2008 “Fire Protection Systems Testing – Water Conservation Handbook” and meets all requirements of AS2118 and AS 1851.

ZoneCheck uses leading edge technology to provide environmentally friendly testing for life safety systems.

Approvals:

<table>
<thead>
<tr>
<th>ActivFire Listing No.</th>
<th>afp - 2363</th>
</tr>
</thead>
</table>


Standard ZoneCheck
Includes Flow Switch
- 50, 65, 80, 100, 150 mm

ZoneCheck Retrofit
For existing Flow Switch Installations

ZoneCheck Live
For existing Flow Switch Installations
No System Drain Down

Ordering Information:

Left Handed: Refers to Left Handed PUMP flow.*

Sprinkler System Flow

ZONECHECK

ZoneCheck Recirculation Pump Flow Direction

Right Handed: Refers to Right Handed PUMP flow.*

Sprinkler System Flow

ZoneCheck Recirculation Pump Flow Direction

Left Handed ZoneCheck

Right Handed ZoneCheck

* As the pump is a recirculation pump, the pump direction is always in the OPPOSITE direction to sprinkler flow.

Mechanical Specifications:

<table>
<thead>
<tr>
<th>Max Working Pressure Rating</th>
<th>215 PSI (15 bar, 1482 KPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature Range</td>
<td>0°C - 49°C</td>
</tr>
<tr>
<td>Rolled Groove Pipe Diameters Available</td>
<td>50 mm, 65 mm, 80 mm, 100 mm and 150 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MODEL Ø</th>
<th>a</th>
<th>b</th>
<th>c</th>
<th>d</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>257</td>
<td>60</td>
<td>20°</td>
<td>240</td>
</tr>
<tr>
<td>2 1/2&quot;</td>
<td>265</td>
<td>60</td>
<td>20°</td>
<td>240</td>
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<tr>
<td>3&quot;</td>
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<td>87</td>
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<td>240</td>
</tr>
<tr>
<td>5&quot;</td>
<td>308</td>
<td>113</td>
<td>4°</td>
<td>240</td>
</tr>
<tr>
<td>6&quot;</td>
<td>330</td>
<td>150</td>
<td>5°</td>
<td>240</td>
</tr>
</tbody>
</table>
CORRECT

When fitted correctly, the red and green stripes on the circulator are always horizontal.

fig (1) Typical riser
fig (2) Typical horizontal flow side view
fig (3) Typical horizontal flow front view

INCORRECT

All views are in horizontal flow side view.

fig (4) Circulator not in horizontal position.
fig (5) Circulator in horizontal position but flowswitch underneath.
Electrical Specifications:

<table>
<thead>
<tr>
<th>Circulation Pump</th>
<th>Approval</th>
<th>Operating Voltage</th>
<th>Full Load Current</th>
<th>Power Rating</th>
<th>IP Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LPCB, UL, FM and VdS</td>
<td>240v 50Hz</td>
<td>0.88 amps</td>
<td>185 watts</td>
<td>IP43</td>
</tr>
</tbody>
</table>

Addressable Fire Panel Connection Diagram:
Standard 2800 Connection DGP:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZC – INT</td>
<td>Zonecheck Interface DGP</td>
</tr>
</tbody>
</table>