RC150A Deluge Nozzle

SPECIFICATION SHEET

• 1.5” Deluge Nozzle
• Made of Stainless Steel and Kevlar Composite
• Flows Water or Foam-Water Solution*
• Mount Vertically or Horizontally
• FM Approved
• Weight: 2 lbs 4 oz
• Length: 5-1/2 inches
• NPT Threading

The International Fog Inc (IFI) Deluge-Tech nozzles use patented IFI fog and rotor technology and are designed to control and suppress fires. IFI Deluge-Tech nozzles are installed on fixed fire protection systems. The nozzles are designed to apply cooling water to exposed vertical, horizontal, curved and irregular shaped surfaces to protect objects from adjacent fires as well as to control or extinguish fire within a protected hazard area. The IFI Deluge-Tech RC150A Nozzle has a rotor that improves water droplet momentum and distribution, making it a more effective suppression nozzle than conventional deluge nozzles with deflector plates. The water is simultaneously directed at a wide angle, providing a protective water curtain, as well as forward which allows for greater reach. The nozzle is used in applications where deluge water spray systems are installed for special hazards protection. The IFI nozzle produces superior protection with a minimum water pressure of 50 psi to a maximum pressure of 175 psi. The nozzle may be oriented in any direction necessary to protect the hazard.

<table>
<thead>
<tr>
<th>MODEL DESIGNATION</th>
<th>RC150A</th>
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<tbody>
<tr>
<td>Nominal K-Factor</td>
<td>10.2</td>
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<tr>
<td>Strainer</td>
<td>Included in assembly</td>
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<tr>
<td>Installation Positions</td>
<td>Horizontal or Vertical (0 to 180 degrees)</td>
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<tr>
<td>Min and Max Working Pressures</td>
<td>50 to 175 PSI</td>
</tr>
<tr>
<td>Nominal Spray Angle</td>
<td>170 Degrees</td>
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<tr>
<td>Spray Coverage</td>
<td>The RC150A provides a wide angle spray reaching 28 ft wide and out to 8 ft at its maximum pressure</td>
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*The use of Foam has not been FM verified
Top and Side View of spray pattern from
RC150A Nozzle at 100 psi
Spray angle of 173 degrees

Top and Side View of spray pattern from
RC150A Nozzle at 125 psi
Spray angle of 166 degrees

Top and Side View of spray pattern from
RC150A Nozzle at 150 psi
Spray angle of 169 degrees

Scale: Each square represents 1 square ft. Dotted line indicates effective width and depth of coverage for the fog pattern.