**TF29-180**

**FireBêter: Ultra-Wide Full Cone Coverage**

**DESIGN FEATURES**
- Two-turn spiral
- Ultra-wide spray coverage very close to the nozzle
- One-piece design/no internal parts
- Excellent choice for deluge applications where there is little distance between nozzle and material being protected

**SPRAY CHARACTERISTICS**
- Wide spray coverage
- Fine atomization

**Spray patterns:** circular sheet with maximum coverage and excellent atomization

**Spray angle:** 180° extra-wide angle

**Flow rates:** 12.3 to 355 l/min

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**Dimensions are approximate. Check with BETE for critical dimension applications.**

### TF29-180 Flow Rates and Dimensions

**Full Cone, 180° Extra Wide Spray Angle, 1/2” Pipe Size, BSP or NPT**

<table>
<thead>
<tr>
<th>Male Pipe Size</th>
<th>Nozzle Number</th>
<th>K Factor</th>
<th>LITERS PER MINUTE @ BAR</th>
<th>Flow Rates (l/min) = K√bar</th>
<th>Approx. Free Pass. &amp; Orifice Dia. (mm)</th>
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</thead>
<tbody>
<tr>
<td>1/2</td>
<td>TF29-180-16</td>
<td>17.3</td>
<td>12.3 14.5 17.3 24.5 30.0 38.8 54.8 77.5</td>
<td>5.16</td>
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<td>TF29-180-18</td>
<td>27.4</td>
<td>19.4 22.9 27.4 38.7 47.4 61.2 86.5 122</td>
<td>6.35</td>
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<td>TF29-180-21</td>
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<td>23.4 27.7 33.1 46.8 57.3 73.9 105 148</td>
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<td>30.6 36.3 43.3 61.3 75.1 96.9 137 194</td>
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<td>TF29-180-28</td>
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<td>39.8 47.1 56.3 79.7 97.6 126 178 252</td>
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<td>11.1</td>
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</tr>
</tbody>
</table>

**Flow Rate (l/min) = K√bar**

**Standard Materials:** Brass and 316 Stainless Steel.

Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.