**SF series**

**CLIP - ON Spray Nozzles**

**DESIGN FEATURES**
- Nozzles can be quickly changed and aligned by hand without tools
- Quick set-up system features special “CLIP-ON” tips
- Polypropylene, resistant to most acids and alkalis

**SPRAY CHARACTERISTICS**
- Quick Set-Up System can be provided with fan or hollow or full cone spray tips
- Full 45° alignment of spray without tools

**Spray angles:** Full Cone: 35°, 65°, 80°

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**SF Flow Rates and Dimensions**

**SF Full Cone 35°, 65° and 80° Spray Angles 1”, 1-1/4”, 1-1/2” and 2”**

<table>
<thead>
<tr>
<th>Nozzle Number</th>
<th>Available Spray Angle</th>
<th>0.5 bar</th>
<th>0.7 bar</th>
<th>1 bar</th>
<th>2 bar</th>
<th>3 bar</th>
<th>5 bar</th>
<th>7 bar</th>
<th>10 bar</th>
</tr>
</thead>
<tbody>
<tr>
<td>SF31FC</td>
<td>35°</td>
<td>7.596</td>
<td>5.45</td>
<td>6.40</td>
<td>7.60</td>
<td>10.6</td>
<td>12.9</td>
<td>16.4</td>
<td>19.3</td>
</tr>
<tr>
<td>SF32FC</td>
<td>80°</td>
<td>7.855</td>
<td>5.63</td>
<td>6.62</td>
<td>7.86</td>
<td>11.0</td>
<td>13.3</td>
<td>17.0</td>
<td>20.0</td>
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<tr>
<td>SF102FC</td>
<td>65°</td>
<td>25.02</td>
<td>17.9</td>
<td>21.1</td>
<td>25.0</td>
<td>34.9</td>
<td>42.4</td>
<td>54.2</td>
<td>63.7</td>
</tr>
</tbody>
</table>

Flow Rate (l/min) = K (BAR)^0.44

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**Standard Materials:** Polypropylene, 302 stainless steel clamp, EPDM seal.

**Optional Materials:** 316 Stainless steel clamp, Viton seal.

**NOTE:** Drill 16.7mm (21/32”) hole in pipe to install SF.

**NOTE:** Maximum recommended pressures for SF assemblies: With single clamp 5 bar for 1” pipe; 3.5 bar for 1-1/4” and 1-1/2” pipe; and 2 bar for 2” pipe; with double clamp up to 10 bar.