KF40 DIRECTIONAL
ASPIRATED FOAM WATER NOZZLE
NDD410

- Capable Of Being Mounted In Any Position Or Direction
- Lightweight High-Grade Stainless Steel Construction
- BSP Or NPT Inlet
- Pinpoint Foam Application
- Loading Racks, Process Pumps, Process Piping
- Seawater Compatible
- AR-AFFF/AFFF and Protein Compatible

Description
The KF40 directional foam/water nozzle is constructed of stainless steel, and operates at a 3.1 K-factor. The nozzle shall be installed in fixed installations aimed in any direction. The nozzle is aspirated and suitable for use with AR-AFFF/AFFF and Protein foam solutions.

Features
- Capable of being mounted in any position
- Lightweight, investment cast welded, high-grade stainless steel construction
- BSP or NPT inlet
- Special order inlets available upon request

Applications
Ideal for loading racks, containment areas, rail car loading areas, heliports, truck loading racks, and process areas.

Technical Data
Description:
- Foam/Water Nozzle
Manufacturer:
- National Foam
Model:
- Directional
K-factor:
- 3.1
Connection:
- ¾” FNPT (w/o adapter ¾” BSP)

Operating Range:
- Minimum: 30 psi (2.07 bar)
- Maximum: 100 psi (6.89 bar)

Materials of Construction:
- Body: 316 SS
- Finish: Plain

Flow / Pressure Chart

<table>
<thead>
<tr>
<th>Inlet Pressure psi (bar)</th>
<th>Foam Solution gpm (lpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 (6.89)</td>
<td>31 (117)</td>
</tr>
<tr>
<td>80 (5.52)</td>
<td>28.7 (109)</td>
</tr>
<tr>
<td>70 (4.83)</td>
<td>26 (98)</td>
</tr>
<tr>
<td>50 (3.45)</td>
<td>22 (83)</td>
</tr>
<tr>
<td>30 (2.07)</td>
<td>16.5 (62)</td>
</tr>
</tbody>
</table>

Spray Pattern Range Data

<table>
<thead>
<tr>
<th>Inlet Pressure psi (bar)</th>
<th>“L” - Length ft (m)</th>
<th>“W” - Width ft (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 (6.89)</td>
<td>20 (6.1)</td>
<td>15 (4.57)</td>
</tr>
<tr>
<td>50 (3.45)</td>
<td>15 (4.57)</td>
<td>12 (3.66)</td>
</tr>
<tr>
<td>30 (2.07)</td>
<td>12 (3.66)</td>
<td>9 (2.74)</td>
</tr>
</tbody>
</table>

Note: Spray pattern based on nozzle mounted 36" (914.4 mm) above grade.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1255-2834-3</td>
<td>KF40 Nozzle, Directional</td>
</tr>
</tbody>
</table>

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