Descaling Nozzles

**DNEX**

**Features**
- The highest impact force and the deepest erosion for more efficient scale removal.
- Lower water consumption with the same impact of existing descaling nozzles.
- Sharper spray edge definition for optimized descaling performance.
- The DNEXR type for high wear resistance based on a trumpet-shaped orifice is available.

**Maximum working pressure**
- 25 MPa

### Shapes & dimensions

![Diagram of DNEX descaling nozzles]

- **Cap**
- **Nozzle tip**
- **Packing**
- **Long filter**
- **Short filter**
- **Weld adapter**
- **Thread adapter (R1 or 1NPT)**

### Material and Weight Table

<table>
<thead>
<tr>
<th>Part</th>
<th>Material</th>
<th>Weight [g]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cap</td>
<td>303 Stainless steel</td>
<td>150</td>
</tr>
<tr>
<td>Nozzle tip</td>
<td>Tungsten carbide &amp; 303 SS</td>
<td>100</td>
</tr>
<tr>
<td>Packing</td>
<td>Copper</td>
<td>4</td>
</tr>
<tr>
<td>Short filter</td>
<td>Brass &amp; 303 SS</td>
<td>170</td>
</tr>
<tr>
<td>Long filter</td>
<td>Brass &amp; 303 SS</td>
<td>215</td>
</tr>
<tr>
<td>Weld adapter</td>
<td>304 Stainless steel</td>
<td>255</td>
</tr>
<tr>
<td>Thread adapter</td>
<td>304 Stainless steel</td>
<td>215</td>
</tr>
</tbody>
</table>
Typical applications of the DNEX

The latest model offers customers the following two options:

1. Improved surface quality with the same water flow and spray angle as competing spray nozzles.
2. Water flow reduction. With the DNEX model, even if the flow rate is reduced by 15%, it keeps the same impact force of the DNX.

Technical data

Impact force graph

3D Erosion Footprint

Erosion test comparison

Pressure: 15 MPa

Time: 10 s

Time: 20 s

A ratio is based on DNX model.