Applications:
Cleaning deck surfaces in the event of NBC contamination.
- Uniform, flat and coarse-droplet spray circle
- Low wind susceptibility, large-area fluid impact
- Recessed installation

Other housing versions possible on request.

Design recommendations
Spray water quantity:
Approx. 0.3 m³/h (5 l/min) is calculated per tonne displacement. According to the construction specifications of the German Armed Forces for naval ships, 0.24 m³/h (4 l/min) is required per m² of deck area.

However, it was possible to prove in tests that 2.5–3.0 l/min is sufficient for coverage of the deck surfaces due to the low spray losses of the Lechler nozzles used when combined.

Spray angle

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>180°</td>
<td>571.059</td>
<td>2.0</td>
<td>66.7</td>
<td>71.7</td>
<td>78.3</td>
<td>83.3</td>
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Spray diameter

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<th>Type</th>
<th>Ø [m]</th>
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<td>6</td>
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<tr>
<td>7</td>
<td>6.5</td>
<td>7.0</td>
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<tr>
<td>8</td>
<td>6.5</td>
<td>7.0</td>
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<tr>
<td>9</td>
<td>6.5</td>
<td>7.0</td>
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</table>

Spray circle diameter at 8 bar (according to BWB)
Type 571.059: approx. 6 m
Type 571.179: approx. 7 m

Spray water intake:
Gasket 095.001.72.00.05.7
Material: EWP 210

Steel deck
Material: EWP 210

Countersunk screw ordering no.:
M10 x 35 DIN 963
Material: 1.4301

Countersunk screw ordering no.:
M10 DIN 985
Material: 1.4301

Nozzle ordering no.:
571.XXX.33.24

Brazed conical nipple ordering no.:
095.016.3F.01.30.0
A38 DIN 86148
Material: 2.0872

Brazed conical nipple ordering no.:
095.016.3F.04.10.0
A30 DIN 86148
Material: 2.0872

Union nut Hex 60 ordering no.:
095.011.3E.00.12.0
Material: 2.0966

Other connection flanges and mounting types on request.
### Deflector-plate nozzles

#### Series 571

Modular-design deflector-plate nozzle where the nozzle is guided. This allows simple mounting/disassembly, e.g. for cleaning purposes or in areas with high mechanical loads (e.g. in the area of the guns).

#### Series 500.289

Deflector-plate nozzle for mounting using stud bolts and clamp couplings (e.g. Straub Grip-L) from the inside of the ship.

#### Recessed installation

### Applications:

Cleaning deck surfaces in the event of NBC contamination.

### Table

<table>
<thead>
<tr>
<th>Spray angle</th>
<th>Ordering no.</th>
<th>E [mm]</th>
<th>V [l/min]</th>
<th>p [bar]</th>
<th>m³/h</th>
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<td>4.0 4.3 4.7 5.0 5.3</td>
<td></td>
</tr>
</tbody>
</table>

Standard material: Lock nuts = 316Ti SS · Spring: 301 SS · All other components: AlBz8 (aluminum bronze)