Description

The around-the-pump inductor is a foam concentrate proportioning unit, designed to be connected in a by-pass between the pressure and suction side of the fire water pump. This system enables just a small part of the total water flow, the feed water, to pass through the around-the-pump inductor without causing any pressure drop in the water line. The PI-100 has an adjustable foam concentrate suction capacity of up to 770 l/min corresponding to 3 % at a water flow of 25600 l/min or 6 % at a water flow of 12800 l/min. Other applications with the around-the-pump inductor are possible.

Principle flow diagram

![Principle flow diagram](image-url)
## Performance data

Max. counter pressure: 0,5 bar/7,2 psi
Max. working pressure: 16 bar/232 psi

<table>
<thead>
<tr>
<th>Feed water capacity</th>
<th>Max. induction capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bar</td>
<td>psi</td>
</tr>
<tr>
<td>6</td>
<td>87</td>
</tr>
<tr>
<td>8</td>
<td>116</td>
</tr>
<tr>
<td>10</td>
<td>145</td>
</tr>
<tr>
<td>12</td>
<td>174</td>
</tr>
</tbody>
</table>

Material:
- Body: Stainless steel
- Nozzle, diffusor: Polypropylene
- Check valve: Stainless steel
- Valve: Stainless steel
- Flange: Galvanized steel

Connection:
- Water: 100 Din PN 16 or 4” ANSI 150 lbs
- Foam concentrate: 80 Din PN 16 or 3” ANSI 150 lbs

Weight: 45 kg/99 lbs