FLOW CONDITIONER

Model : **DH19-TB**
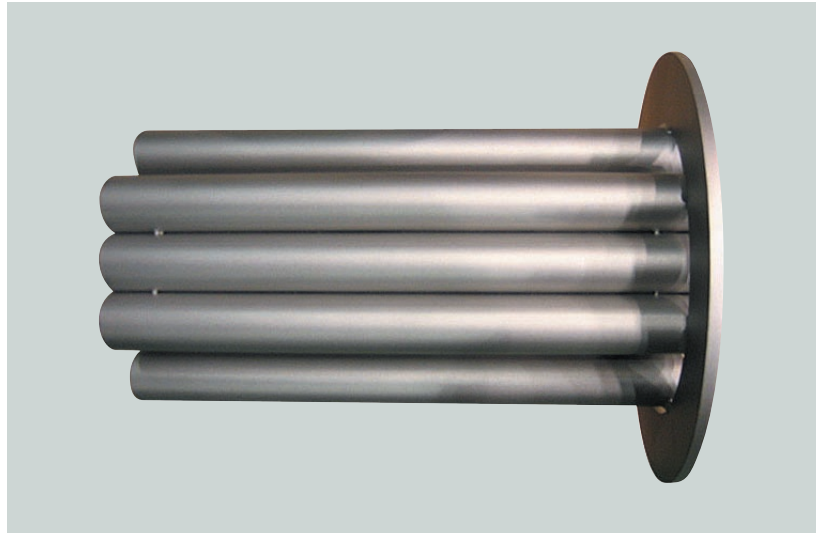
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FLOW CONDITIONER

Model : **DH19-TB**

■ DESCRIPTION

The 19-tube bundle flow straightener (1998) shall consist of 19 tubes arranged in a cylindrical pattern as on a picture.

■ SPECIFICATIONS

- The Maximum outside diameter of the flow straightener Df is $0.95D \leq Df \leq D$
- The length, L, of the tubes shall be between 2D and 3D, preferably as close to 2D as possible
- The wall thickness shall be less than 0.025D
- The pressure loss coefficient, K, for the 19-tube bundle flow straightener is approximately equal to 0.75, where K is given by the following equation

$$K = \frac{\triangle p_c}{1/2 p V^2}$$

$\triangle p_c$ is the pressure loss across the 19-tube bundle flow straightener

p is the density of the fluid in the pipe

V is the mean axial velocity of the fluid in the pipe

Key
1. minimized gap
2. pipe wall
3. tube wall thickness
4. centring spacer options (typically four places)

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