

AB-600 Bimetallic Steam Trap

Carbon Steel

For Pressures to 41 bar...Capacities to 4 000 kg/h



Description

Armstrong's AB-600 Bimetallic Steam Trap operates by the effect that rising temperature has on bimetallic elements. It adjusts itself to changing conditions, as the increasing pressure on the valve is compensated by the curving of the bimetallic elements caused by the increasing temperature.

Armstrong's AB-600 Bimetallic Steam Trap is the ideal solution for applications where other trap styles are not resisting to tough operating conditions. It also has the ability to handle the large start up loads associated with superheat applications. The unique bimetallic element allows for tight shut off before superheat reaches the trap thus preventing steam loss. The AB-600 utilizes a titanium valve and seat to ensure extremely long service life in the harsh environment of superheated steam systems.

Maximum operating conditions

Maximum allowable pressure (vessel design)†: 41 bar @ 400°C
 Maximum operating pressure: 41 bar
 Maximum back pressure: 99% of inlet pressure

Connections

Screwed BSPT and NPT
 Socketweld
 Flanged DIN or ANSI (welded)

Materials

Body: Carbon steel C22.8 (corrosion resistant stainless steel body is optional)
 Cap: Carbon steel ASTM A105
 Valve: Titanium
 Seat: Titanium
 Elements: Ni-Cr and Stainless steel
 Strainer: 304 Stainless steel

Specification

Bimetallic steam trap with titanium valve, type AB-600 in carbon steel, with integral strainer. Suitable also for superheated steam applications. Maximum allowable back pressure 99% of inlet pressure.

How to order

Specify:

- Size and type of pipe connection.
- Maximum working pressure that will be encountered
- Maximum condensate load

Table ST-179-2. Model AB-600 Trap (dimensions in mm)

Pipe Connections	15 – 20	25
"C" Face-to-Face (screwed & SW)	98	—
"CC" Face-to-Face (flanged PN40*)	150	160
Weight in kg (screwed & SW)	2,8	—
Weight in kg (flanged PN40*)	4,3 – 4,5	4,7

* Other flange sizes, ratings and face-to-face dimensions are available on request. All sizes comply with the article 3.3 of the PED (97/23/EC).

Table ST-179-1. Model AB-600 Pressure / Temperature

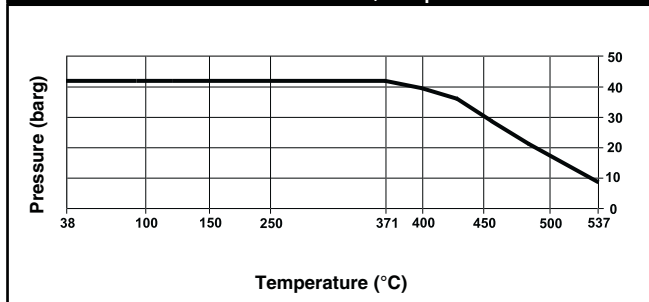
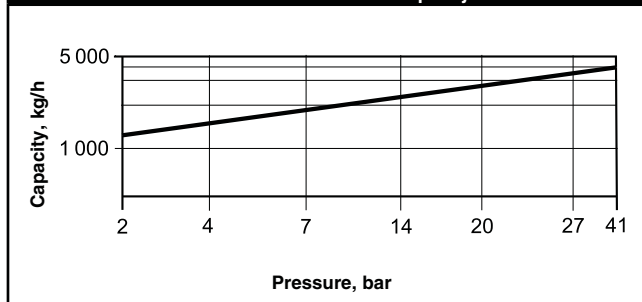


Table ST-179-3. Model AB-600 Cold Water Capacity



† May be derated depending on flange rating and type.

All dimensions and weights are approximate. Use certified print for exact dimensions. Design and materials are subject to change without notice.