



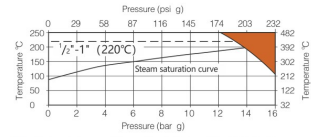
Thermodynamic Steam Trap

Special Note

Please keep valve in opposite direction of gravity. (As shown in the figure below).

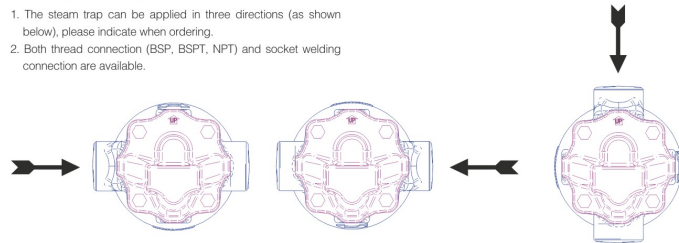


Operating Condition

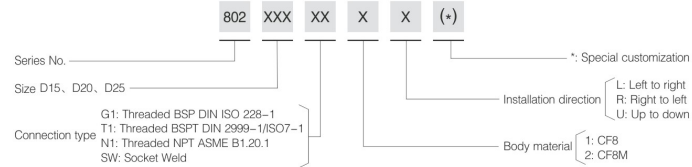


Ordering Instructions

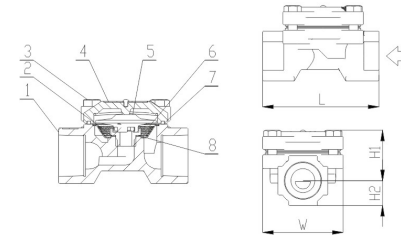
- The steam trap can be applied in three directions (as shown below), please indicate when ordering.
- Both thread connection (BSP, BSPT, NPT) and socket welding connection are available.



Order Instruction



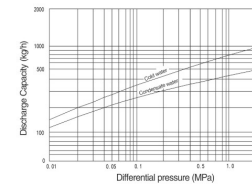
803 Series
Thermostatic
Steam Trap



Technical Specification

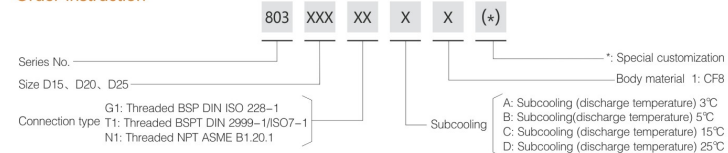
- Nominal pressure: 2.5MPa
 - Connection: thread
 - Max working pressure PWO: 2.1MPa
 - Max working pressure difference ΔPMX: 2.1MPa
 - Max operating temperature TMO: 220°C
 - Four types of bellows:
 - A-Discharge condensate below saturation temperature of 3°C.
 - B-Discharge condensate below saturation temperature of 5°C.
 - C-Discharge condensate below saturation temperature of 15°C.
 - D-Discharge condensate below saturation temperature of 25°C.
- Attention: To avoid abnormal operation, accidents, or personal injury, please do not use this product beyond the specification range. If the technical standards or regulations of a country or region have special provisions for the above specifications, the product should be used in accordance with local regulations.

Output Chart



- Pressure difference refers to the pressure difference between the inlet and outlet of the steam trap.
 - Recommended safety factor not less than 2.
- Attention: Do not use the steam trap under conditions exceeding the maximum pressure difference, otherwise condensation water may accumulate.

Order Instruction



Advantages

- The stainless steel thermostatic steam trap is widely applicable in various fields, including steam main pipes, heat tracing equipment dryers, and heat exchange equipment.
- Featuring a 'fault normally open' feature to ensure no condensate accumulation in the steam space;
 - The structure is sturdy and lightweight, capable of withstanding superheated steam and water hammer;
 - Automatic regulation of fixed undercooling throughout the entire pressure range;
 - Excellent air emission performance;
 - Can be installed horizontally or vertically;
 - The filter screen with a large flow area and a compact structure has a large drainage capacity;
 - Easy to maintain and clean.

Main Dimension

Size	L	W	H1	H2	Weight (kg)
DN15	77	53	33	17	0.59
DN20	77	53	33	17	0.54
DN25	80	53	33	21	0.63

Part List

No.	Part	Material
1	Body	CFS
2	gasket	copper
3	bolt	304
4	cover	CF8
5	diaphragm box	stainless steel
6	60 mesh filter	304
7	gasket	PTFE
8	seat	stainless steel