STEAM & CONDENSATE | NV-ST-142425

Thermostatic Bimetallic Steam Trap - Flanged



Catalogue illustration; selected build may vary.

SIZE RANGE
DN15 - DN25

NOMINAL CLASS
PN25

BODY OPTIONS
A105 / F304 / F316

CONNECTION
Flanged

TEMPERATURE
Up to 350°C

Flanged thermostatic bimetallic steam trap for temperature-dependent condensate discharge. Specify the condensate load, inlet pressure, return-line backpressure and required discharge temperature for the duty.

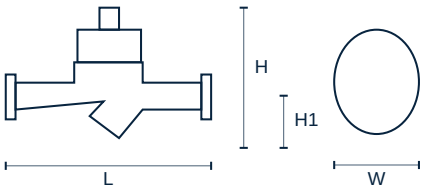
Product selection

Parameter	Listed options
Reference Model	SHT21F

Select options together. The named dimensional reference and approved order drawing govern the supplied configuration.

> DIMENSIONAL REFERENCE: VMV SHT21F thermostatic bimetal reference, PN25, A105/F304/F316, DN15-DN25. Its 350°C operating limit is model-specific; it is not assigned to the different Lonze CS47H/CS17H 220°C construction.

Dimension key - schematic, not to scale



Use the named model table and approved order drawing for dimensions.

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Bimetallic reference dimensions

Model	Published sizes	L (mm)	H (mm)	H1 (mm)	W (mm)	Mass (kg)
SHT21F	DN15 / DN20 / DN25	150	168	100	115	4

VMV steam catalogue, PDF page 17 (printed page 11). The row covers all three nominal sizes. Flanged construction.

Published pressure and temperature limits

Reference model	Nominal class	Max. operating pressure (bar)	Max. operating temperature (°C)	Published shell P/T point
SHT21F	PN25	21	350	24.5 bar at 200°C; 10.3 bar at 450°C

Nominal pressure class describes the reference body. Operating limits, shell limits and test pressures are different quantities. Maximum pressure and maximum temperature are separate published limits; they are not a simultaneous operating point. Confirm the complete pressure-temperature envelope, selected orifice and backpressure for the duty.

Reference material list

Component	Published grades
Body / bonnet	A105 / F304 / F316
Disc	440C + 304
Seat	420
Other internal parts	304

Material list belongs to SHT21; confirm the selected body and internal combination in the quotation.

Configuration and service requirements

- Dimensions apply to the named reference construction. Confirm the selected material, trim, connection standard and approved order drawing before installation. H values marked approximate are reproduced as approximate; no open/closed-stem clearance is inferred.

- Nominal pressure class describes the reference body. Operating limits, shell limits and test pressures are different quantities. Maximum pressure and maximum temperature are separate published limits; they are not a simultaneous operating point. Confirm the complete pressure-temperature envelope, selected orifice and backpressure for the duty.

- Discharge temperature and capacity depend on the bimetal setting and subcooling. Specify the condensate load, inlet pressure, backpressure and desired discharge temperature.