

STEAM & CONDENSATE | NV-ST-142466

Thermodynamic Disc Steam Trap - Threaded

**SIZE RANGE**

1/2" - 1"

NOMINAL CLASS

PN25 / PN63

BODY OPTIONS

A105 / F304 / F316

CONNECTION

BSP / NPT

TEMPERATURE

Up to 350°C

Catalogue illustration; selected build may vary.

Thermodynamic disc steam trap with BSP or NPT threaded ends for condensate removal. Specify the thread, condensate load, inlet pressure, return-line backpressure and installation orientation for selection.

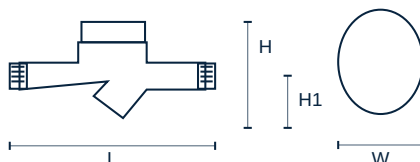
Product selection

Parameter	Listed options
Reference Model	STD16T / STD42T

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

DIMENSIONAL REFERENCE: VMV forged thermodynamic disc reference family. PN25 uses STD16; PN63 uses STD42; PN100 (flanged only) uses F11 STD80. Different constructions retain separate dimensions and operating limits.

Dimension key - schematic, not to scale



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

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Thermodynamic disc reference dimensions

Model	Sizes	Class	Body grades	L (mm)	H (mm)	H1 (mm)	W (mm)	Mass (kg)
STD16T	DN15 / DN20 / DN25	PN25	A105 / F304 / F316	90	120	68	48	1-1.5
STD42T	DN15 / DN20 / DN25	PN63	A105 / F304 / F316	90	126	68	55	1.8

VMV steam catalogue, PDF pages 21-22 (printed pages 20-22). Each row covers all listed port sizes. STD16 mass is a published family range, not a mass assigned to each DN. L is the connection-to-connection length; H/H1/W follow the dimension key. Threaded models only.

DN15/20/25 correspond to nominal 1/2, 3/4 and 1 inch ports; confirm BSP/NPT thread form and engagement dimensions on the order drawing.

Published pressure and temperature limits

Reference model	Nominal class	Max. operating pressure (bar)	Max. operating temperature (°C)	Published shell P/T point
STD16T	PN25	16	350	24.5 bar at 200°C; 10.3 bar at 450°C
STD42T	PN63	42	350	62.7 bar at 200°C; 26 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.

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.

- PN25: STD16T; PN63: STD42T. Thread form and engagement dimensions must be confirmed for the selected BSP/NPT order.

- Provide condensate load, inlet pressure and backpressure for sizing; no universal kg/h capacity is stated.