

SMART STEAM TRAP

MODEL
STC™
DN 15-DN 50

Description

The SMART STC™ Venturi Steam Trap is designed for medium to high-load process applications including heat exchangers, reboilers, process columns, with capacity up to 65 000 lbs/hr or 30 000 kg/hr. It is recommended that a strainer is installed upstream of the trap.

Sizes and Connections

DN15(1/2"), DN20(3/4"), DN25 (1"), DN40 (1 1/2"), DN50 (2")

Screwed BSP / NPT

Pressure / Temperature Limits

PMA (Maximum Allowable Pressure) 55 bar g (797 psi g)

TMA (Maximum Allowable Temperature) 270°C (518°F)

PMO (Maximum Operating Pressure) 50 bar g (725 psi g)

Guarantee

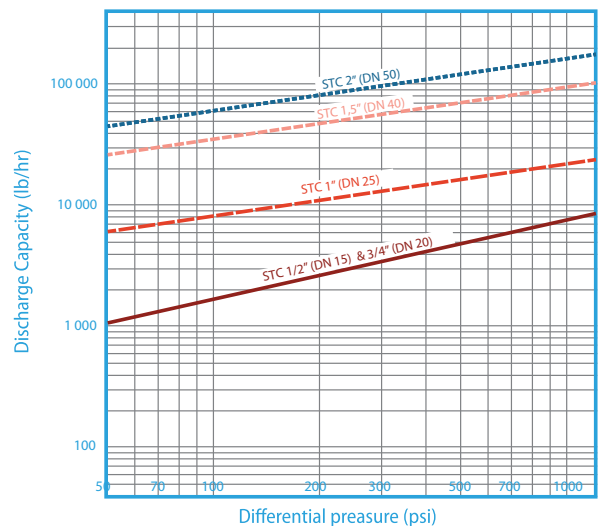
20 year product guarantee as per standard terms and conditions.

Benefits

1. No moving parts to fail
2. Stainless steel construction; 20 to 30 year lifetime
3. Wide range of capacities
4. 20 year performance and materials warranty
5. Permanent up to 20-30% energy reduction; 1-2 year ROI typical
6. Significant lifetime labor and material savings
7. Inverted nozzle to deflect blockages
8. Can be installed in any orientation
9. Supplied with sizing and engineering services
10. Replaceable Venturi inserts for precise sizing



CAPACITY CHART



SMART Valves Inc.

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SMART™
VALVES

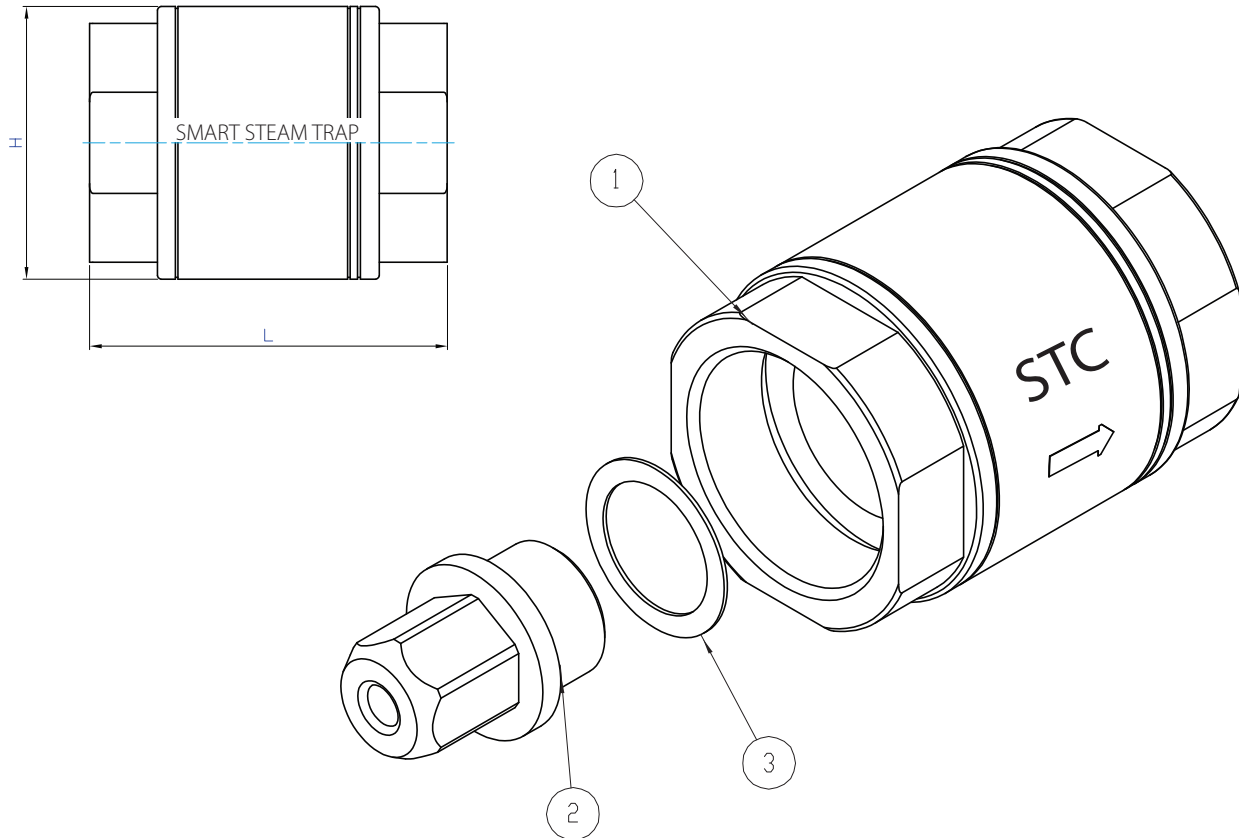
SMART STEAM TRAP™

RELIABILITY SIMPLICITY SUSTAINABILITY

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Assembly



Dimensions and Weights

Size	Connection	H	L	Weight
DN15/20(½", ¾")	Screwed NPT / BSP	1.42 in/36 mm	2.68 in/68 mm	1.54 lbs/0.7 kg
DN25/(1")	Screwed NPT / BSP	1.97 in/50 mm	3.54 in/90 mm	1.76 lbs/0.8 kg
DN40/(1½")	Screwed NPT / BSP	2.56 in/65 mm	3.74 in/95 mm	3.30 lbs/1.5 kg
DN50/(2")	Screwed NPT / BSP	3.15 in/80 mm	4.13 in/105 mm	4.63 lbs/2.1 kg

Material

1. Body	304 Stainless Steel
2. Removable Venturi Insert	304 Stainless Steel
3. Gasket	Paranite

Torque Settings

2. Removable Venturi Insert	DN15/20 - 55 Nm
	DN25 - 55 Nm
	DN40 - 60 Nm
	DN50 - 60 Nm

*In the interests of development and improvement of the product, we reserve the right to change the specification without notice.

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