

# Gestra® Steam Trap • Thermodynamic Steam Trap

**DK 57**

**609**  
psi  
Maximum Δp  
(42 bar)

**Class Rating:** ANSI 600

**Available Sizes:** 3/8", 1/2", 3/4" and 1"  
(DN 10, 15, 20 and 25)

**Application**

The DK 57 steam trap is used for low capacity applications such as distribution line drips and tracers.

**Trap Types**

**DK 57L:** Trap is available in 3/8" to 3/4" body sizes. All body sizes have the same low condensate capacity.

**DK 57H:** Trap is available in 1/2" to 1" body sizes. The condensate capacity increases with the larger body size.

**Features and Benefits**

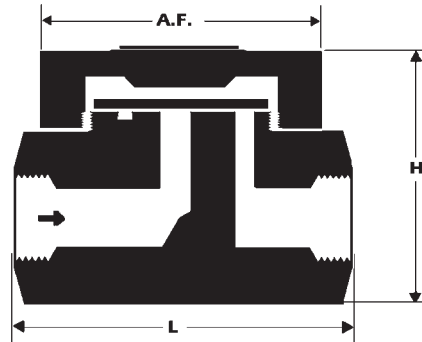
- Forged stainless steel body.
- End-to-end dimensions identical to most competitive models.
- Unaffected by water hammer – solid stainless steel internals.
- Operates with up to 80% back pressure (based on absolute pressures).
- Cyclical discharge eases audible/visual performance checking.
- Horizontal orientation suggested for maximum performance.
- Two (2) year guarantee.

**Materials**

- Body – AISI 420 F (DIN 1.4021)
- Cap – AISI 416 (DIN 1.4005)
- Disc – AISI 420 F (DIN 1.4021)

**Body Pressure/Temperature Rating**

The chart shows the maximum shell (body) pressure and temperature rating. Operating differential pressure is limited to **609 psi**.



Pressure / Temperature Ratings		
Maximum Operating Pressure	[psig]	609
	[barg]	42
Maximum Allowable Pressure	[psig]	914
	[barg]	63
Maximum Allowable Temperature	[°F]	752
	[°C]	400
Maximum admissible back pressure up to 80% of upstream pressure		

Dimensions and Weights		End Connection			
		Screwed			
Nominal Sizes	[inch]	3/8	1/2	3/4	1
	[mm]	10	15	20	25
Dimensions	L [inch]	2.2	2.8	3.1	3.5
	[mm]	55	70	80	90
	H [inch]	1.9	2.0	2.5	2.9
	[mm]	48	52	63	74
	A.F. [inch]	1.4	1.6	1.6	2.2
	[mm]	36	41	41	55
Approx. Weight	[lbs]	1.0	1.3	2.0	3.1
	[kg]	0.5	0.6	0.9	1.4

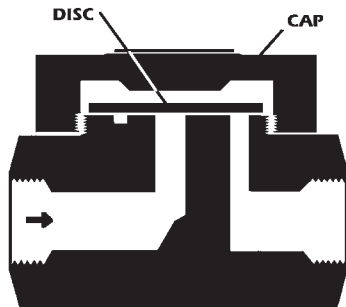
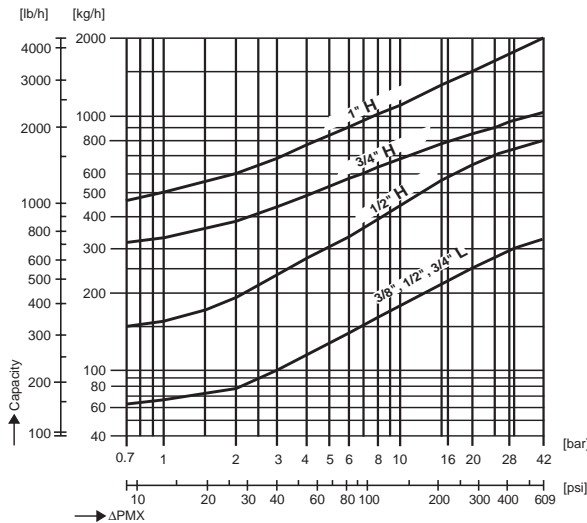
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### Capacity Charts

The capacity chart shows the maximum capacities for hot condensate. The capacities are a function of differential pressure or the difference between inlet and outlet pressures for the trap.

The set of curves show the capacity for each type of steam trap in the DK 57 series. The 'L' denotes low capacity, where traps with different end connection sizes all have the same low capacity. The 'H' denotes high capacity, where the trap capacity increases with increasing end connection size.

The curves show the maximum capacity when discharging hot condensate. For example, at a differential pressure of **100 psi**, the maximum hot capacity of the 1/2" DK 57 H is approximately **800 lbs/hr**.

### Material/Test Certificates

All inspection requirements have to be stated at time of order. Test certificates can be issued on request in accordance with EN 10204 – 2.2 and -3.1B. Heat Codes from body and cap are required.

### Available End Connections

NPT, BSP

### How to Order

Specify trap and end connection size.

For Example: DK 57 H 1/2" NPT

Standard Spare Parts		
Item Number	Description	DK 57
1	Body	
2	Disc	
	3/8" - 3/4" L	372708
	1/2" H	372716
	3/4" H	372724
	1" H	372733
3	Bonnet	