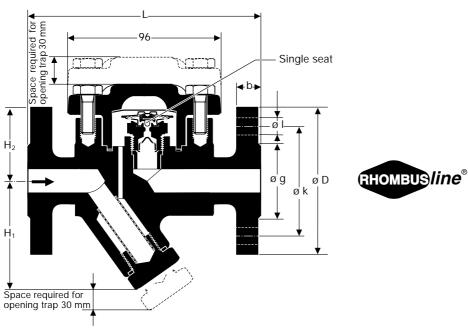


Steam Traps PN 40 DN 15, 20, 25 ½", 34", 1"

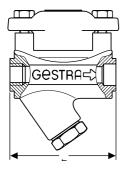
 A_1

MK 45A-1 and MK 45A-2

ternational patents Issue Date: 11/00



MK 45A-1 with DIN flanges



MK 45A-1, MK 45A-2 with screwed sockets with socket-weld ends

Dimensions and Weights		End connections						
		Flanges			Screwed sockets Socket-weld ends			
Nominal sizes	[mm]	15	20	25	15	20	25	
	[in]	1/2	3/4	1	1/2	3/4	1	
Dimensions in [mm]	L	150	150	160		95		
	H ₁		70			70		
	H ₂		62			62	·	
Approx. weight	[kg]	3.7	4.3	4.8	2.2	2.1	2.0	

Flange dimensions		End connections								
		DIN		CL 150		CL 300				
[mm]	D b k g l	95 16 65 45 14	105 18 75 58 14	115 18 85 68 14	88.9 11.1 60.3 34.9 15.9	98.4 12.7 69.8 42.9 15.9	107.9 14.3 79.4 50.8 15.9	95.2 14.3 66.7 34.9 15.9	117.5 15.9 82.5 42.9 19.0	123.8 17.5 88.9 50.8 19.0
Number of b	oolts	4	4	4	4	4	4	4	4	4

Description

Thermostatic steam trap with corrosion-resistant membrane regulator (thermostatic capsule) unaffected by waterhammer.

Integral Y-type strainer, non-return valve and asbestos-free cover gasket (graphite) included as standard

The traps with standard capsule "N" discharge the condensate with virtually no banking-up, the traps with special capsule "U" with an undercooling of approx. 30 K in order to utilize the condensate heat in steam tracing systems.

The traps are **suitable for** draining saturated steamlines, steam tracers and heat exchangers. They can also be used for air-venting.

Installation in any position. If installed in horizontal pipes make sure that the cover is on top.

MK 45 A-1 with tandem seat

In particular for low condensate flowrates. Optionally either with standard capsule "5 N 1" or undercooling capsule "5 U 1".

MK 45 A-2 with single seat

For larger condensate flowrates. Optionally either with standard capsule "5 N 2" or undercooling capsule "5 U 2".

Pressure/Temperature Ratings						
Max.	[barg]	29	25	24		
service pressure	[psig]	421	363	348		
Related temperature	[°C]	200	300	400		
	[°F]	392	572	752		
Max. differential p (inlet pressure mi outlet pressure)	22 bar (320 psig)					

Materi	als	DIN	ASTM	
Body, co	over	1.4404	A182F316L	
Cover so	crews	A2-70	A 193 B 8*	
Thermo-Membrane		Hastelloy®		
static- capsule	Capsule	Stainle	ss steel	
Other int	ternals	Stainless steel		

^{*} Physical and chemical properties comply with DIN grade. ASTM nearest equivalent grade is stated for guidance only.

Connections

Flanges: DIN, PN 40

BS 10, tables E, F, H and J ANSI (BS 1560) classes 150 or

300 lb/in²

Screwed sockets: BSP or NPT

Socket-weld ends

Steam Traps PN 40 DN 15, 20, 25 ½", ¾", 1"

MK 45A-1 and MK 45A-2



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https://gidroterm-prom.com.ua/

044-333-67-80 067-435-61-80 050-153-61-80

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Capacity Charts

The charts show the maximum capacities for hot and cold condensate.

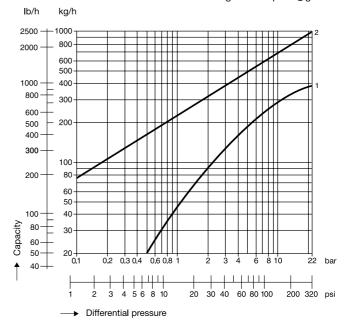
Curve 1

Curve 1 indicates the max. capacity of hot condensate that the traps with 5 N \dots capsule can discharge at a condensate temperature of approx. 10 K (degC) below saturation temperature with virtually no banking-up, and the traps with 5 U \dots (undercooling) capsule when the condensate is approx. 30 K (degC) below saturation temperature.

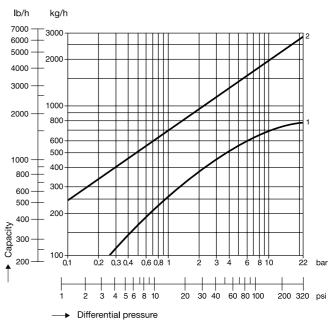
Curve 2

Curve 2 shows the max. capacity of cold condensate that the traps can discharge (condensate temperature 20 °C).

Capacity Chart for MK 45 A-1



Capacity Chart for MK 45 A-2



When ordering please state:

Steam pressure, back pressure, quantity of condensate to be discharged, type, size, connections, mounting position of the trap, and details of application.

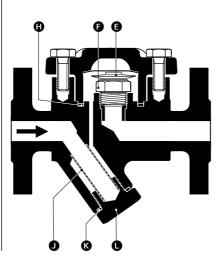
The following test certificates can be issued on request, at extra cost:

In accordance with EN 10204 – 2.2 and -3.1B. All inspection requirements have to be stated with the order. After supply of the equipment certificates can no longer be established. Charges and extent of the above mentioned certificates as well as the different tests confirmed therein are listed in our price list "Test and Inspection Charges for Standard Equipment".

For other tests and inspections than those listed above, please consult us.

Supply in accordance with our general terms of business.

Technical modifications reserved.



Spare Parts							
Item	Designation		Order No.				
пеш	Designation		MK 45-1	MK 45-2			
3	Membrane regulator,	5 N 1	375109				
G	complete	5 U 1	375111				
		5 N 2		375110			
		5 U 2		375112			
000	Strainer, complete		375382	375382			
	Thermostatic	5 N 1	085585				
3	capsule MK 45 A-1	5 U 1	086138				
	Thermostatic	5 N 2		096530			
	capsule MK 45 A-2	5 U 2		096535			
0	Cover gasket*		375159	375159			
0	Strainer gasket*		375162	375162			

* Minimum purchasing quantity 50 pcs. Contact your local dealer for smaller quantities.