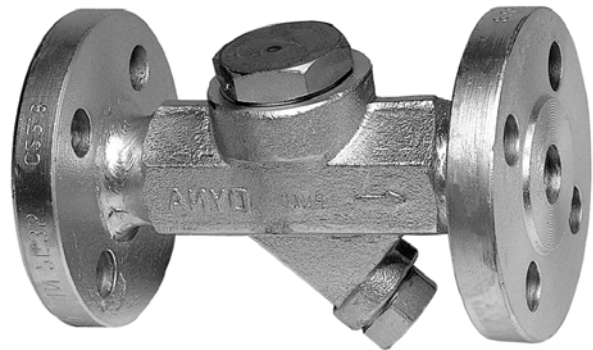


TDK45 type THERMODYNAMIC STEAM TRAP

CHARACTERISTICS

The TDK45 condensate steam trap is a carbon steel thermodynamic steam trap. Its compact and robust construction with built-in Y-strainer is perfectly adapted to the draining of distribution piping system and steam tracing systems. The TDK45 can bear a downstream backpressure up to 80% of the upstream pressure and it is unaffected by water hammers, potential overheating and frost. The maintenance of this type of steam trap is easy. This item is available in threaded, welded and flanged version.



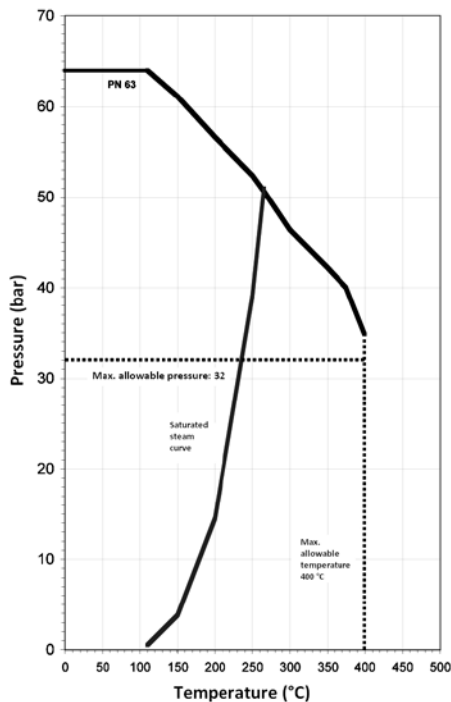
AVAILABLE ITEMS

BSP threaded connections: 1/2", 3/4" and 1"
PN40 flanged connections: DN 15, 20 and 25

LIMITS OF USE

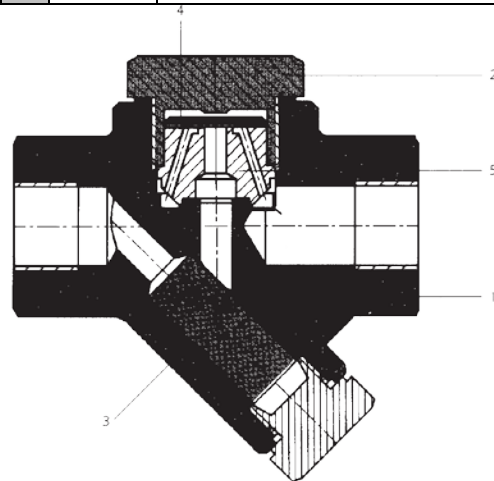
Max. allowable pressure (PS)	32 bar
Max. body pressure	65 bar
Max. differential pressure	40 bar
Max. allowable temperature (TS)	400 °C

PRESSURE / TEMPERATURE DIAGRAM



CONSTRUCTION

1	Body	ASTM A105 forged steel
2	Cap	AISI 304 stainless steel
3	Strainer	Stainless steel
4	Disc	AISI 420 stainless steel
5	Seat	AISI 304 stainless steel




INSTALLATION

The TDK45 steam trap should preferably be installed in a horizontal position but works in any other position.

OPTIONS

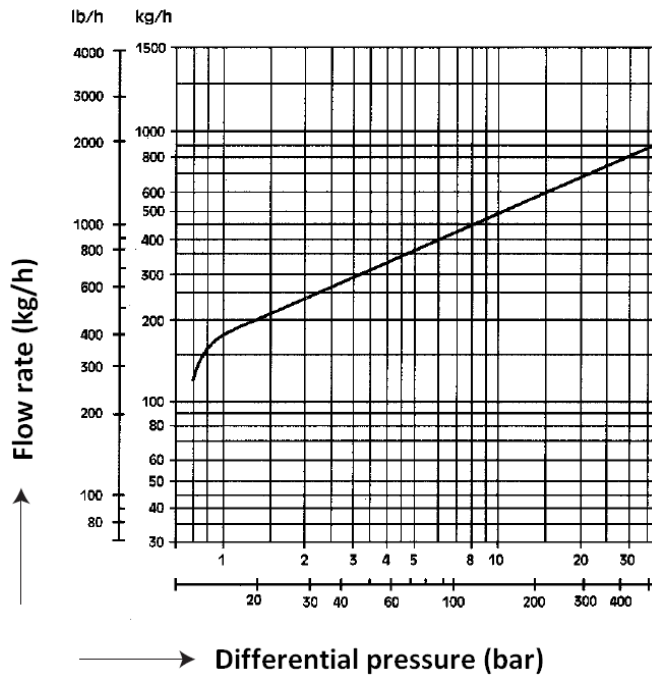
NPT threaded connections
SW welded connections

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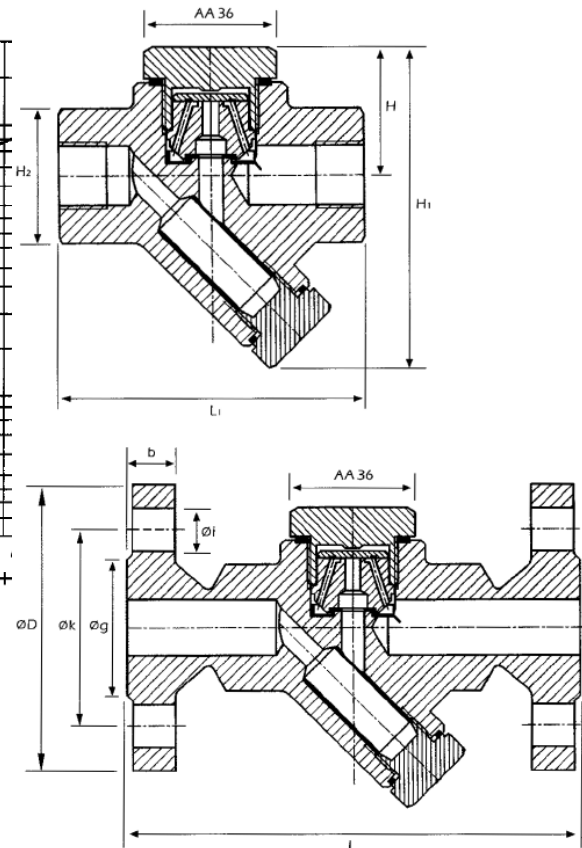
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		Rev.	1
		Date	07/2004

TDK45 type THERMODYNAMIC STEAM TRAP

FLOW RATE CHART



DIMENSIONS (mm) AND WEIGHT (kg)



Ø	L - L1	H - H1 - H2	D	b	k	g	i	Nbr of holes	Weight	Weight 1
15	150 - 95	40 - 100 - 42	95	16	65	45	14	4	1,1	2,7
20	150 - 95	40 - 100 - 42	105	18	75	58	14	4	1,1	3,2
25	160 - 95	40 - 100 - 42	115	18	85	68	14	4	-	-

MOUNTING AND MAINTENANCE

Before any installation, please shut off the upstream steam input. Depressurize, purge the line and wait until its complete cooling to room temperature. Screw the steam trap on the piping, using an adapted gasket. Please preferably position the device with the cap in a horizontal position. If necessary, replace the disc (*mark 4 on the drawing page 1*) by unscrewing the cap (*mark 2*). This operation can only be carried out when the upstream flow is shut off, as the depressurizing and the cooling have already been operated. In case of soiling, clean or replace the strainer (*mark 3*) by unscrewing the cap (*mark 5*). Remount the system and put the piping into service.

MATERIAL AND TEST CERTIFICATE

3.1b certificate according to EN 10 204 on request. Please take into account special lead time

SPARE PARTS

Spare parts codes for TDK45 steam trap:

	1/2" - 3/4" - 1"
Disc (<i>mark 4</i>)	981260
Body gasket	981261
Strainer (<i>mark 3</i>)	981262
Strainer gasket	981263

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