

TKK21 type THERMOSTATIC STEAM TRAP

CHARACTERISTICS

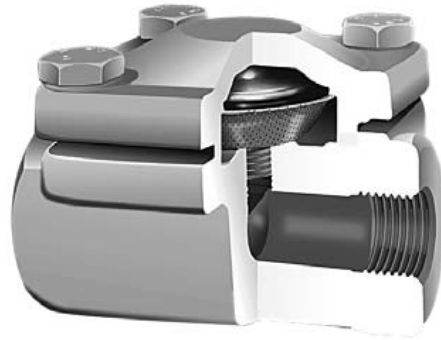
The TKK21 thermostatic steam trap is dedicated to the steam installation draining. With a carbon steel construction, it is available with threaded connections. The Hastelloy capsule is protected by an international patent from the manufacturer. This steam trap is unaffected by backpressure. It permits to regulate a continuous purge and automatically evacuates the air at start-up. The condensate discharge temperature can be adjusted selecting one of the 3 different cooling capsules available: 10 °C (standard set up), 5 °C and 20 °C. It is equipped with a built-in strainer and can be mounted in any position.

AVAILABLE ITEMS

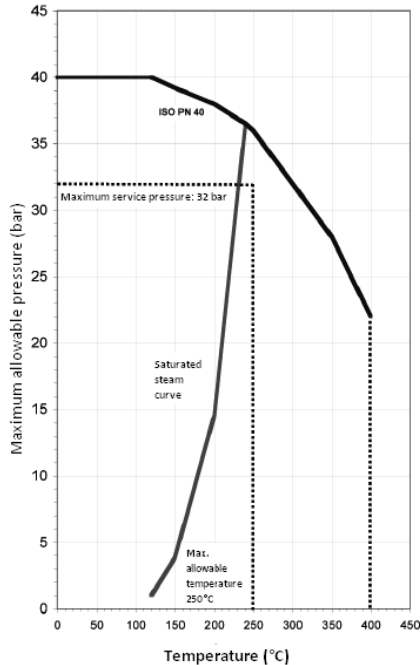
TKK21: BSP 1/2" threaded connections

LIMITS OF USE

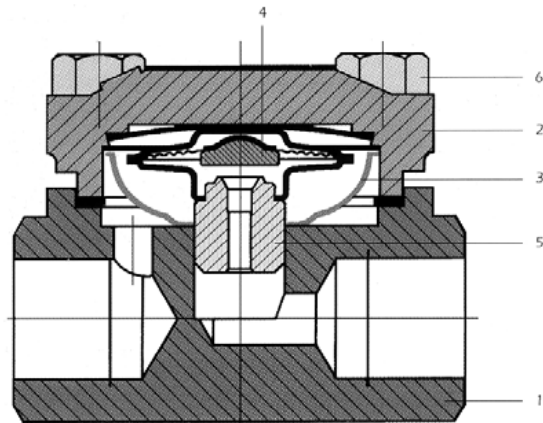
Max. allowable pressure (PS)	25 bar
Max. service pressure	21 bar
Max. differential pressure	21 bar
Max. allowable temperature (TS)	400 °C
Max. service temperature	235 °C



PRESSURE / TEMPERATURE DIAGRAM



CONSTRUCTION



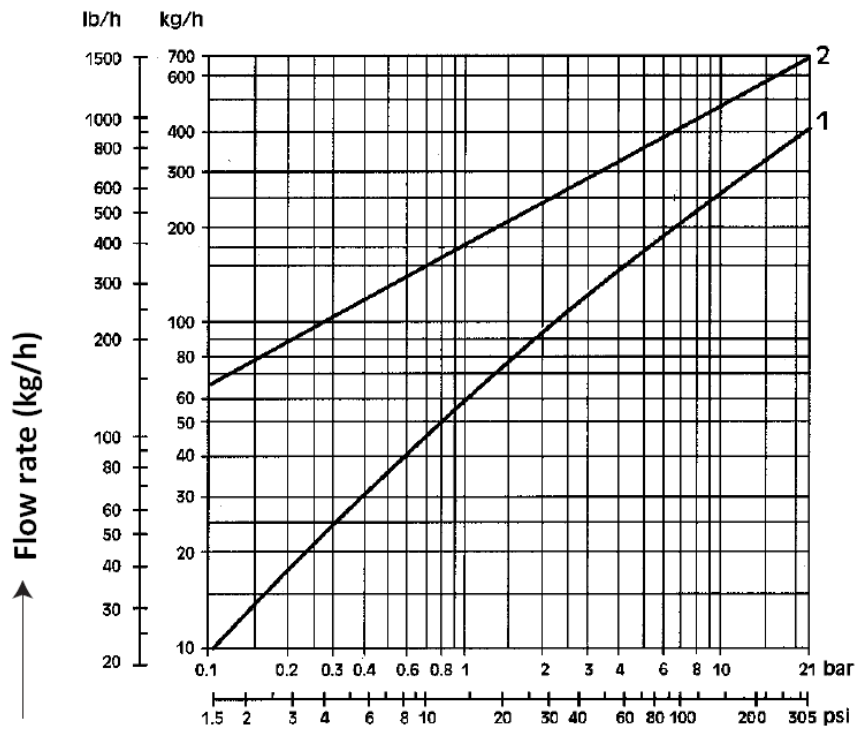
1	Body	A105 forged steel
2	Cap	A105 forged steel
3	Strainer	Stainless steel
4	Capsule	Hastelloy + stainless steel
5	Seat	304 stainless steel
6	Nuts	ASTM A193 B16

Technical data given for information purpose only. May be subject to alteration without prior notice

	SECTORIEL S.A. 45, rue du Ruisseau 38290 Saint Quentin-Fallavier – FRANCE Tel.: +33 474 94 90 70 – Fax: +33 474 94 13 95 www.sectoriel.fr / email: sectoriel@sectoriel.fr	Page	1/2
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FLOW RATE CHART



→ Differential pressure (bar)

Curve 1: discharge 10 °C below the saturated curve

Curve 2: discharge 20 °C below the saturated curve

INSTALLATION AND MAINTENANCE

The TKK21 steam trap can be installed in any position. Before installing the steam trap, isolate and depressurize the line. Please wait until the complete cooling of the system.

Carefully clean the upstream piping.

Fix by screwing or welding the steam trap following the direction of the arrow engraved on the body: steam upstream and condensate downstream.

OPTIONS

NPT threaded connections

SW or BW welded connections on request


MATERIAL AND TEST CERTIFICATE

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

SPARE PARTS

Item	Code
Strainer (mark 3 on the drawing page 1)	981270
Body gasket	981271
5 °C capsule (mark 4)	981289
10 °C capsule (mark 4)	981290
20 °C capsule (mark 4)	981291

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