

TKK-41&42

THERMOSTATIC STEAM TRAPS

GENERAL FEATURES

Ayvaz TKK-41 is suitable for corrosive medium especially sugar industry for ammoniac evacuation and it has also resistant to water hammer. It is impossible to clean TKK 41 because it is welded type however TKK-42 is suitable for cleaning.

Body, cover, filter are stainless steel.

The difference of TKK-42 is compact design and low condensate evacuation.

It is ideal for corrosive medium.

Ayvaz TKK-41 / TKK-42 should be assembled to the pipe line at horizontal position for working efficiently and saving working time. Isolation valves should be used for safety during the maintenance and steam traps changing.

Operation

Thermostatic steam traps operate according to the thermostatic attitude of a capsule which is placed into the trap. Capsule contains a special liquid inside which has lower vapourisation temperature than water. When the system starts up the cold condensate

drops down the temperature of the capsule. Compressed capsule pushes the disc upward and discharges the condensate. With the increasing condensate temperature, liquid in the capsule starts vaporisation. Expanded capsule pushes the disc towards the seat and stops discharging.

Installation:

TKK-41-42 can be installed both vertically and horizontally with the pipeline. Flow direction indicator arrow on the product body should be examined carefully. In case discharging of condensate into the atmosphere, temperature of the released condensate which is around 100°C must be considered closely in order to maintain health and safety.

Connection:

Screwed

Nominal Diameter:

DN10 (3/8") - DN15 (1/2") - DN20 (3/4") - DN25 (1")

Working Pressure:

Up to 40 bar

Working Temperature:

Up to 250°C

Applications:

Steam jacket pipes
Irons
Ammonium releasers

Condensate Discharge Chart:

Red Chart

ΔP = Condensate Discharge at the temperature which is max 10°C lower than steam saturation temperature.

Blue Chart

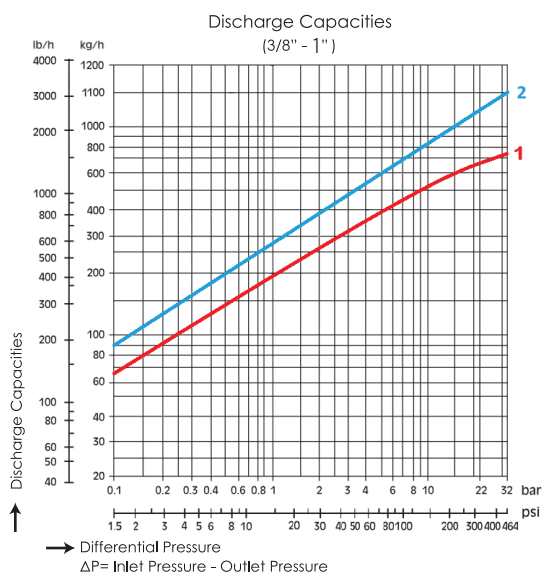
ΔP = Cold Condensate Discharge at 20°C.



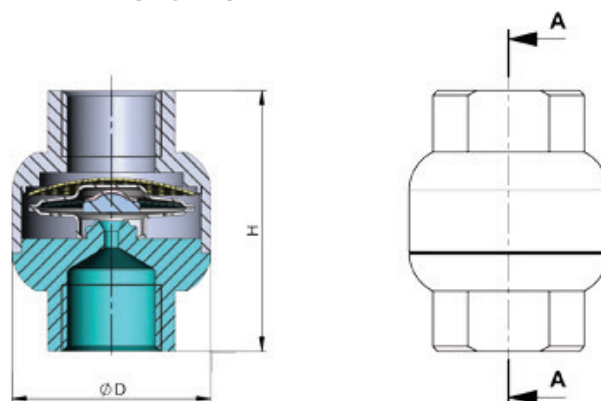
PRODUCT FEATURES

Body and Cover	Stainless Steel AISI 304 Stainless Steel AISI 316 (Opt.)
Strainer, Seat	Stainless Steel AISI 304
Thermostatic Capsule	Hastelloy
Connection Types	Threaded, Socket

TKK-41&42 THERMOSTATIC STEAM TRAPS

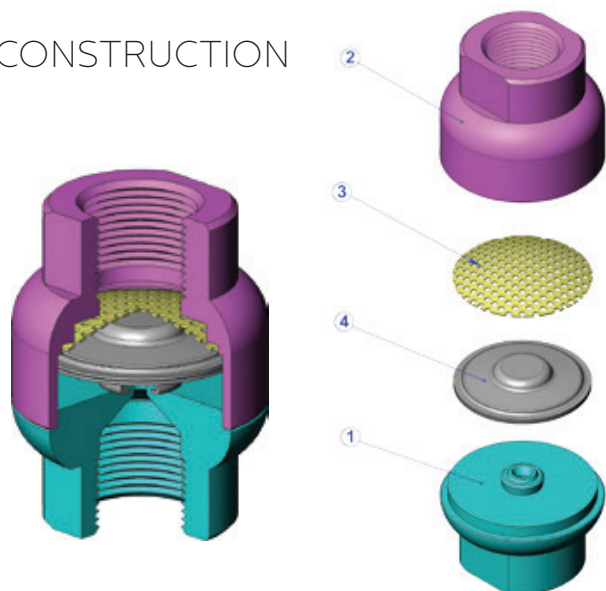


DIMENSIONS



Size	Code	Threaded	
		ØD (mm)	ØH (mm)
3/8" -1"	TKK-41	55	42
1/4" -1"	TKK-42	65	42

CONSTRUCTION



Part Name	Material
1 Body	Stainless Steel AISI 304 Opt. Stainless Steel AISI 316
2 Cover	Stainless Steel AISI 304 Opt. Stainless Steel AISI 316
3 Strainer Screen	Stainless Steel AISI 304
4 Thermostatic Capsule	Hastelloy

All the dimensions in the table are given in "mm".
Subject to technical alterations and deviations resulting from the manufacturing process without giving any notification.

HEAD OFFICE - FACTORY

Atatürk Sanayi Bölgesi Hadımköy Mahallesi Mustafa İnan Caddesi No: 44 Arnavutköy - İSTANBUL
Tel: +90 212 771 01 45 (pbx) | Fax: +90 212 771 47 27
info@ayvaz.com | www.ayvaz.com



Cona Caserta/Italy

Tel: +39 0823 187 3988
rmolaro@ayvaz.com

Ayvaz Germany Viernheim/Germany

Tel: +49 62046014399
germany@ayvaz.com

Ayvaz Ukraine Kiev/Ukraine

Tel: +380 44 390 57 57
info@ayvaz.com.ua

Tricorr Warsaw/Poland

Tel: +48 530 030 810
+48 533 603 335
tricorr@tricorr.eu

Ayvaz Azerbaijan Baku/Azerbaijan

Tel: +99 (455) 579-84-32
ahayatov@ayvaz.com

Ayvaz Egypt Cairo/Egypt

Tel: +20 122 819 78 29
andrew.eid@ayvaz.com

Ayvaz Gulf Dubai/U.A.E

Tel: +971 563550822
+971 501306871
mideast@ayvaz.com

Ayvaz China Ningbo/China

Tel: +86 152 5830 7361
msahin@ayvaz.com

Ayvaz Kazakhstan LLP Almaty/Kazakhstan

Tel: +7 (727) 327 97 57
info_kz@ayvaz.com

Ayvaz N Ispirih/Bulgaria

Tel: +359 8431 27 32
office@ayvaz-n.eu

Ayvaz Serbia Belgrade/Serbia

Tel: +381 61 658 70 52
yakbiyik@ayvaz.com

Ayvaz Vietnam HCMC/Vietnam

ggursoy@ayvaz.com
Tel: +84 89 8508345

Ayvaz Americas Rhode Island/USA

Tel: +1 401 737 8380
americas@ayvaz.com