KARAJET
Steam Trap

TD42

Thermodynamic

Description:

The KARAJET TD42 is an inline repairable carbon steel thermodynamic steam trap with an integral strainer for medium pressure applications.

Size and Pipe Connections:

DN15 to DN25
Screwed BSPT/NPT/BSP and Socket Weld ends.
Available with Class 150, 300 Flanges.
Other sizes are available for flanged connection by request.

Material and Options:

Other body materials such as Stainless Steel A743CA40 is available by request.

Removable seat is also available by request (TD42R).

Capacity Curve:

Recommended Safety Factor: 1.5

Limiting Conditions:

Body Design Conditions	PN63
PMA (Max. Allowable Pressure)	63 barg @ 125 °C
TMA (Max. Allowable Temperature)	400 °C @ 42 barg
PMO (Max. Operating Pressure)	42 barg @ 400 °C
TMO (Max. Operating Temperature)	400 °C @42 barg
Max. Cold Hydro Test Pressure	95 barg

PMOB-Max. Operating Back Pressure on outlet should not exceed 80% of inlet pressure.
Min. Operating Pressure for satisfactory operation: 0.5 barg.

KARAJET
Steam Trap

TD42

Thermodynamic

Material:

No.	Part	Material
1	Body	CS A105
2	Cap	SS 420
3	Disk	SS 420
4	Strainer Cap	SS 420
5	Strainer Screen	SS304 / SS316
6	Strainer Gasket	SS304 / SS316
7	Cap Gasket	SS304 / SS316

Spare Part List:

No.	Part No.	Part
1	3	Disc
2	5	Strainer screen
3	6, 7	Gaskets
4	4	Strainer cap

Dimensions (mm):

Size	A	B		C	D	Approx. Weight (kg)		
		#150	#300			SW	#150	#300
0.5”	90	160	170	60	47	1.2	2.1	2.6
0.75”	90	172	182	60	47	1.1	2.5	3.6
1”	96	182	192	66	53	1.9	3.9	5