KARAJET
Steam Trap

FT44-HC

Mechanical

Description:

The KARAJET FT44-HC is a carbon steel medium pressure mechanical steam trap with an integral strainer and thermostatic air vent. Their main features are simple construction and reliable operation.

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:

Other body materials such as Cast Iron (PN 25) and Stainless Steel A351-CF8 are available.

Capacity Curve:

Recommended Safety Factor: 1.5

Limiting Conditions:

For #150 the Pressure/Temperature ratings is limited by flange class.

Flange Class	#150	#300
Body Design Conditions	PN40	PN40
PMA (Max. Allowable Pressure)	19.3 barg @ 37.8°C	40 barg @ 100 °C
TMA (Max. Allowable Temperature)	300 °C @ 10barg	300 °C @ 27.5 barg
PMO (Max. Operating Pressure)	13.8 barg @ 197.2°C	32 barg @ 239 °C
TMO (Max. Operating Temperature)	263.7 °C @ 11.3barg	285 °C @ 28.5barg
Max. Cold Hydro Test Pressure	27 barg	60 barg

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Material:

No.	Part	Material
1	Body	CS A216 WCB
2	Cover	CS A216 WCB
3	Ball Float and Lever	SS304 / SS316
4	Air Vent Assembly	Bimetal - SS304
5	Valve Seat	SS304 / SS316
6	Pivot Frame	SS304 / SS316
7	Strainer Screen and Bolts	SS304 / SS316
8	Valve Seat Gasket	SS304 / SS316
9	Cover Gasket	Reinforced Graphite
10	Cover Bolts	Carbon Steel

Spare Part List:

No.	Part No.	Part
1	3, 5	Main Valve Assembly
2	4	Air Vent Assembly
3	8, 9	Gaskets

Dimensions (mm):

Size	A		B	C	D	E	F	Approx. Weight (kg)		
	#150	#300						SW	#150	#300
0.5”	203	209	120	111	84	195	125	6.8	8.3	8.7
0.75”	206	213	120	111	84	195	125	6.8	8.6	9.3
1”	209	216	120	111	84	195	125	6.8	9	10.1