KARAJET
Steam Trap

SCA
Inverted Bucket

Mechanical

Description:

The KARAJET SCA is a medium pressure carbon steel inverted bucket steam trap that can handle a large range of pressure and is equipped with an internal strainer.

Size and Pipe Connections:

DN15 and DN25
Available with Class 150 and 300 Flanges.
Other sizes are available for flanged connection by request.

Capacity Curve:

Recommended Safety Factor: 1.5

Limiting Conditions:

Body Design Conditions	#300
PMA (Max. Allowable Pressure)	51 barg
TMA (Max. Allowable Temperature)	400 ^{0}C
PMO (Max. Operating Pressure)	40 barg
TMO (Max. Operating Temperature)	400 ^{0}C
Max. Cold Hydro Test Pressure	78 barg

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Material:

No.	Part	Material
1	Body	C.S. A105
2	Cover	C.S. A105
3	Bucket	SS304 / SS316
4	Orifice	SS304 / SS316
5	Inlet Tube	SS304 / SS316
6	Lever and Guide	SS304 / SS316
7	Strainer Screen	SS304 / SS316
8	Strainer Gasket	SS304 / SS316
9	Strainer Cap	C.S. A105
10	Bolts	Carbon Steel
11	Cover Gasket	Reinforced Graphite

Spare Part List:

No.	Part No.	Part
1	3, 4, 6	Main Valve Assembly
2	7, 8, 9	Strainer Set
3	11	Cover Gasket

Dimensions (mm):

Size	A			B	C	Approx. Weight (kg)		
	#150	#300	SW			SW	#150	#300
0.5”	150	150	90	90	185	3	4.6	5.0
0.75”	150	150	90	90	185	3	5.0	5.8
1”	160	160	165	90	185	3.5	5.7	6