FREE FLOAT STEAM TRAP MODEL J7.5X CAST IRON

FREE FLOAT STEAM TRAP WITH THERMOSTATIC AIR VENTING

Features

TLV

A reliable and durable cast iron steam trap with tight shut-off for use on large-size process equipment.

- 1. Self-modulating free float provides continuous, smooth, low velocity condensate discharge as process loads vary.
- 2. Only one moving part, the free float, prevents concentrated wear and provides long maintenance-free service life.
- 3. Thermostatic capsule (X-element) with "fail open" feature vents air automatically until close-to-steam temperature.
- 4. Built-in screen with large surface area ensures extended trouble-free operation.
- 5. Easy, inline access to internal parts simplifies cleaning and reduces maintenance costs.

Pressure Equipment Directive (PED)

Classification according to PED 2014/68/EU, fluid group 2 Category CE marking Size DN 40, DN 50, DN 80 Ш with CE marking and Declaration of Conformity



Specifications

Model	J7.5X
Connection	Flanged
Size	DN 40, 50, 80
Orifice No.	1, 2, 5, 10, 13
Maximum Operating Pressure (barg) PMO	1, 2, 5, 10, 13
Maximum Differential Pressure (bar) ΔPMX	1, 2, 5, 10, 13
Maximum Operating Temperature (°C) TMO	200
Subcooling of X-element Fill (°C)	up to 6
Type of X-element	C6

PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS): Maximum Allowable Pressure (barg) PMA: 13 Maximum Allowable Temperature (°C) TMA: 200

1 bar = 0.1 MPa

To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range. Local regulations may restrict the use of this product to below the conditions quoted.

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No.	Description	Material	DIN*	ASTM/AISI*
1	Body	Cast Iron FC250	0.6025	A126 CI.B
2	Cover	Cast Iron FC250	0.6025	A126 CI.B
(3)F	Float	Stainless Steel SUS316L	1.4404	AISI316L
(4) ^R	Orifice	—	—	—
(5)MR	Orifice O-Ring	Ethylene Propylene Rubber	EPR	D2000CA
6	Orifice Holder Plug	Ductile Cast Iron FCD450	0.7040	A536
\bigcirc MR	Holder Plug Gasket	Fluorine Resin PTFE	PTFE	PTFE
(8)R	Screen	Stainless Steel SUS430	1.4016	AISI430
9	Screen Holder	Stainless Steel SUS304	1.4301	AISI304
10	Screen Holder Retainer	Stainless Steel SUS304	1.4301	AISI304
11	Snap Ring	Stainless Steel SUS304	1.4301	AISI304
(12) ^{MR}	Cover Gasket	Graphite/Stainl. Stl. SUS316L	- /1.4404	- /AISI316L
13	Cover Bolt	Carbon Steel S45C	1.0503	AISI1045
(14) ^R	X-element	Stainless Steel	—	—
(15) ^R	Spring Clip	Stainless Steel SUS304	1.4301	AISI304
(16 ^R	X-element Guide	Stainless Steel SUS304	1.4301	AISI304
17 ^R	X-element Cover	Stainless Steel SUS304	1.4301	AISI304
(18 ^R	Snap Ring	Stainless Steel SUS304	1.4301	AISI304
(19 ^R	Air Vent Valve Seat	Stainless Steel SUS420F	1.4028	AISI420F
20	Plug	Carbon Steel SS400	1.0037	A6
21	Connector	Stainless Steel SUS416	1.4005	AISI416
22	Nameplate	Stainless Steel SUS304	1.4301	AISI304
23	Drain Plug	Carbon Steel SS400	1.0037	A6



* Equivalent materials

Replacement kits available: (M) maintenance parts, (R) repair parts, (F) float

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Dimensions

TLV

• J7.5X Flanged





J7.5X	Flanged						
DN	L DIN 2501 PN 10/16	Н	Hı	φW	Weight (kg)		
40	386	397			42		
50	400	402	307	290	45		
80	430	417			49		

Other standards available, but length and weight may vary

Discharge Capacity





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Kakogawa, Japan is approved by LRQA Ltd. to ISO 9001/14001