FREE FLOAT STEAM TRAP

MODEL JH3B

FREE FLOAT STEAM TRAP WITH THERMOSTATIC AIR VENTING

Features

TLV

Inline repairable trap for drainage of high pressure heat exchangers and process heaters.

- 1. Self-modulating free float provides continuous, smooth, low velocity condensate discharge as process loads vary.
- 2. Constant water-seal design ensures steam-tight seal, even under no-load conditions.
- 3. Only one moving part, the free float, eliminates concentrated wear and provides long maintenance-free service life.
- 4. Thermostatic bimetal air vent valve vents air automatically for rapid start-up.
- 5. Easy, inline access to internal parts slimplifies cleaning and reduces maintenance costs.
- 6. Built-in screen with large surface ensures trouble free operation.

Specifications

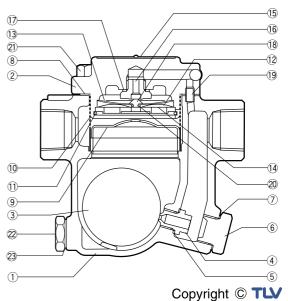
NOU LO	
E Contraction	

Model		JH3B					
Connection		Screwed	Socket Welded	Flanged			
Size (mm)	15, 20, 25 15, 20, 25 15, 20, 25						
Orifice No.		2, 5, 10, 14, 22, 32					
Maximum Operating Pressure (MPaG)	PMO	0.2, 0.5, 1.0, 1.4, 2.2, 3.2					
Maximum Differential Pressure (MPa)	ΔΡΜΧ	0.2, 0.5, 1.0, 1.4, 2.2, 3.2					
Minimum Operating Pressure (MPaG)			0.01				
Maximum Operating Temperature (°C)	TMO	350					

1 MPa = 10.197 kg/cm² PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS): Maximum Allowable Pressure (MPaG) PMA: 3.2 Maximum Allowable Temperature (°C) TMA: 350

N 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.

No.	Description	Material	JIS	ASTM/AISI*
1	Body	Cast Steel	-	A216 Gr. WCB
2	Cover	Cast Stainless Steel	SCS13A	A351 Gr. CF-8
3F	Float	Stainless Steel	SUS316L	AISI316L
(4) ^R	Orifice	Stainless Steel	SUS420F	AISI420F
$(5)^{MR}$	Orifice Gasket	Soft Iron	SUYP	AISI1010
6	Orifice Plug	Stainless Steel	SUS303	AISI303
\bigcirc MR	Plug Gasket	Soft Iron	SUYP	AISI1010
(8) ^{MR}	Cover Gasket	Stainless Steel/Graphite	SUS316L	AISI316L
(9) ^R	Float Cover	Stainless Steel	SUS304	AISI304
10 ^R	Screen	Stainless Steel	SUS430	AISI430
$\textcircled{1}^{R}$	Snap Ring	Stainless Steel	SUS304	AISI304
(12) ^R	Wave Spring	Stainless Steel	SUS304	AISI304
(13 ^R	Air Vent	Bimetal	-	-
(14) ^R	Air Vent Cover	Stainless Steel	SUS304	AISI304
(15) ^R	Air Vent Valve Seat	Stainless Steel	SUS303	AISI303
(16) ^R	Valve Seat Gasket	Soft Iron	SUYP	AISI1010
17 ^R	Air Vent Valve	Stainless Steel	SUS416	AISI416
(18)	Connector	Stainless Steel	SUS416	AISI416
(19 ^R	Snap Ring	Stainless Steel	SUS304	AISI304
20	Cover Bolt	Carbon Steel	S45C	AISI1045
Q1)	Flange (not shown)	Carbon/Cast Steel**	-	A105/A216 Gr. WCB
22	Drain Plug	Carbon Steel	S25C	AISI1025
23 ^{MR}	Drain Plug Gasket	Soft Iron	SUYP	AISI1010



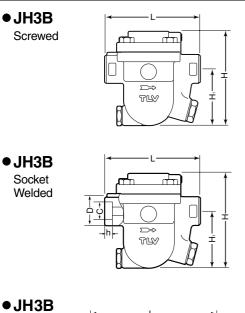
* Equivalent ** Material depends on flange specifications

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

TLV

Consulting & Engineering Service

Dimensions

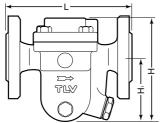


JH3B	S	crewed*			(mm)
Size		L	Н	H1	Weight (kg)
15		130	128	82	3.0
20		130	120	02	3.0
25		133	142	91	3.1

* RC(PT), other standards available

JH3B	Socket Welded (mm							
Size	L	Н	Hı	φC	φD	h	Weight (kg)	
15	130	128	82	22.2	36	12	2.0	
20	130	120	02	27.7	30	14	3.0	
25	133	142	91	34.5	44	14	3.1	

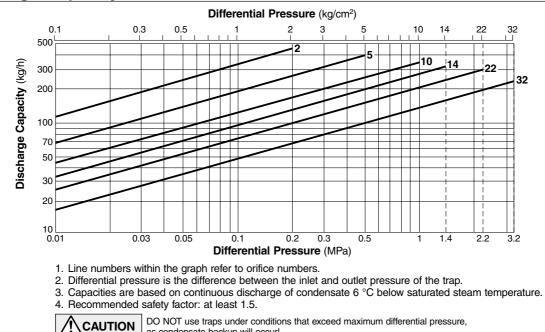
JH3B Flanged



3B Fla	anged*				(mm)
L (#	ASME C	ass)	ц	ц,	Weight
	300RF	600RF	п	111	(approx. kg)
					4.5
210	210	210	142	91	5.4
					6.0
	L (A 150RF	L (ASME C 150RF 300RF	L (ASME Class)	L (ASME Class) 150RF 300RF 600RF H	L (ASME Class) 150RF 300RF 600RF H H1

* Other standards available, but length and weight may vary

Discharge Capacity



as condensate backup will occur!

Manufacturer TLV% CO., LTD. Kakogawa, Japan is approved by LRQA Ltd. to K0 9001/14001



http://www.tlv.com

SDS M2000-196 Rev. 9/2002 Specifications subject to change without notice.