FREE FLOAT TLV STEAM TRAP MODEL SJ3FX DUCTILE CAST IRON

FREE FLOAT STEAM TRAP WITH THREE-POINT SEATING AND THERMOSTATIC AIR VENTING

Features

Reliable and durable steam trap with tight shut-off for use on small to medium process equipment. Models for horizontal or vertical piping installation.

- 1. Self-modulating free float provides continuous, smooth, low velocity condensate discharge as process loads vary.
- 2. Precision-ground float, constant water seal and three-point seating design ensure a steam-tight seal, even under no-load conditions.
- Thermostatic capsule (X-element) with "fail open" feature vents air 3. automatically until close-to-steam temperature.
- Built-in screen with large surface area ensures extended trouble-free 4 operation.
- . Easy, inline access to internal parts simplifies cleaning and reduces maintenance costs. 5.

Pressure Equipment Directive (PED)

Classification according to PED 2014/68/EU, fluid group 2

Size	Category	CE Marking
DN 15 to DN 25		Art. 4, Sec. 3 (sound engineering practice), CE marking not allowed

* Manufactured in accordance with sound engineering practice

Specifications

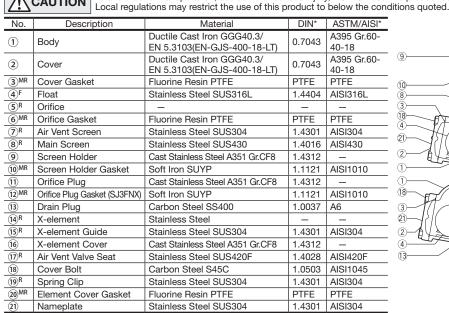
CAUTION

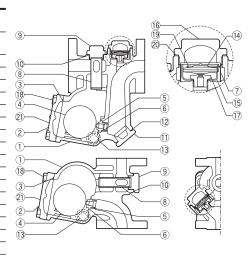
Model	SJ3FNX	SJ3FVX	
Installation	Horizontal	Vertical	
Connection	Flanged		
Size	DN 15, 20, 25		
Orifice No.	2, 5, 9,	14, 22	
Maximum Operating Pressure (barg) PMO	2, 5, 9,	14, 22	
Maximum Differential Pressure (bar) ΔPMX	2, 5, 9,	14, 22	
Maximum Operating Temperature (°C) TMO	22	20	
Subcooling of X-element Fill (°C)	up 1	to 6	
Type of X-element	C	6	

PRESSURE SHELL DESIGN CONDITIONS (NOT OPERATING CONDITIONS): Maximum Allowable Pressure (barg) PMA: 22 Maximum Allowable Temperature (°C) TMA: 220

1 bar = 0.1 MPa

Minimum Allowable Temperature (°C): 0 To avoid abnormal operation, accidents or serious injury, DO NOT use this product outside of the specification range.





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

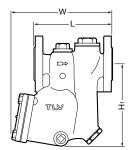


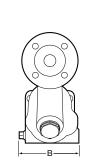
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Dimensions

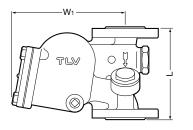
• SJ3FNX Flanged

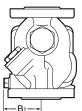




SJ3FNX Flanged (mm) L Weight DN DIN EN 1092-2 W В H, (kg) PN25/40 6.0 15 150 177 20 157 100 6.4 160 184 25 6.9

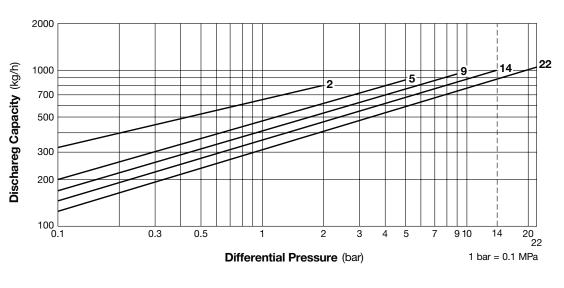
SJ3FVX Flanged





SJ3FVX Flanged (mm)							
DN	L DIN EN 1092-2 PN25/40	W ₁	B ₁	Weight (kg)			
15	150	155	70	5.1			
20	150			5.6			
25	160			6.3			

Discharge Capacity



1. Line numbers within the graph refer to orifice numbers.

- 2. Differential pressure is the difference between the inlet and outlet pressure of the trap.
- 3. Capacities are based on continuous discharge of condensate 6 °C below saturated steam temperature.
- 4. Recommended safety factor: at least 1.5.

CAUTION

DO NOT use this product under conditions that exceed maximum differential pressure, as condensate backup will occur!





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