

BALL FLOAT STEAM TRAP

GTH10

**FOR HIGH TEMPERATURE AND HIGH PRESSURE
COUNTERMEASURE AGAINST EROSION
HIGH SEALABILITY AND DURABILITY**



GTH10

Superheated steam and high pressure conditions are a very challenging environment for steam traps. The new ball float type GTH10 by MIYAWAKI provides a solution for immediate discharge requirements under severe conditions. With operating conditions up to 150 bar the trap ensures reliable operation and discharge for critical applications under high pressure conditions.

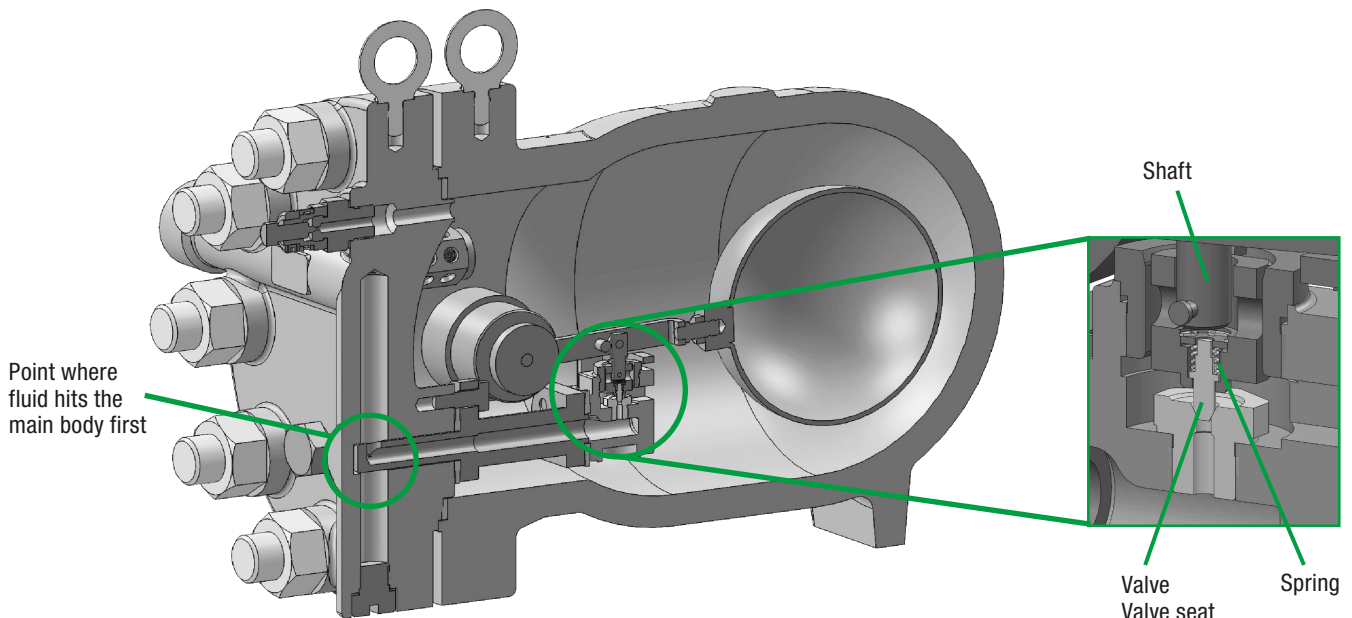
MIYAWAKI patented solutions like the SCCV valve system and the new counterweight internal unit make this trap one of the toughest contestants in the field of high pressure trapping.

FEATURES

- **TMO 550°C / PMO 15,0 MPa**
- **Reversed flow** is available as an option
- Manual **air vent function** as standard (Air can be vented smoothly at start-up)

TYPICAL APPLICATIONS

Suitable for steam main lines and process equipment.



ADVANTAGES

1 COUNTERWEIGHT INTERNAL UNIT

Compact body design due to a “counterweight internal unit”, a patented technology by MIYAWAKI Inc. (Patent application No. 2020-016327). This technology keeps the float and lever, and therefore the trap short and compact.

2 COUNTERMEASURE AGAINST EROSION

Use of stainless steel components at the outlet which are subjected to erosion by the condensate flow.

3 HIGH SEALABILITY, HIGH DURABILITY

MIYAWAKI patented technology, SCCV mechanism and shaft separation guarantee a high sealability of the steam trap. Each valve and valve seat are grinded with high precision and accuracy. High durability is secured by stellite valve and valve seat.

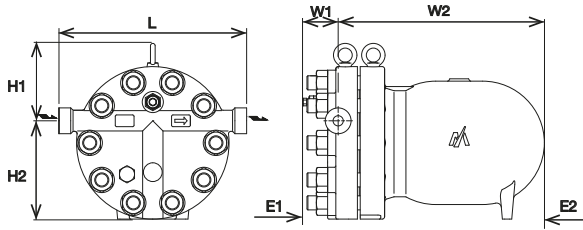
4 WORKS EVEN WITH SMALL AMOUNTS OF CONDENSATE

Especially under superheated conditions, condensate amounts can be very low. MIYAWAKI GTH10 offers superior sealing even under the smallest condensate loads, with zero leakage down to 0,6 kg/h.

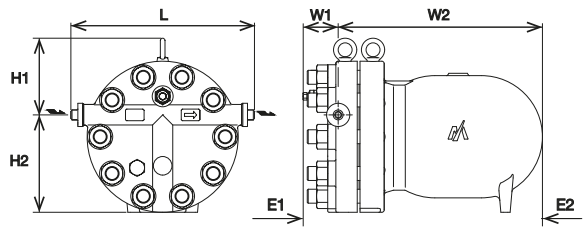
TECHNICAL DETAILS

DIMENSIONS

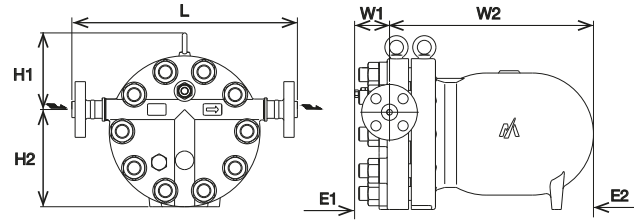
Socket Weld



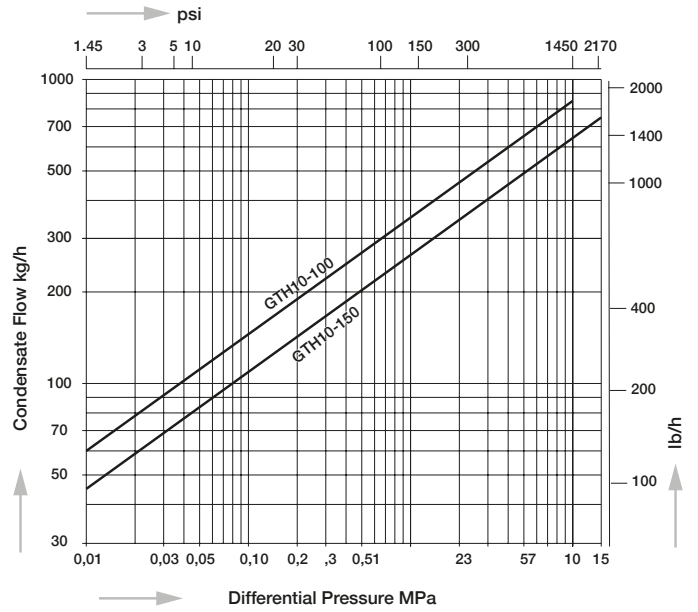
Butt Weld



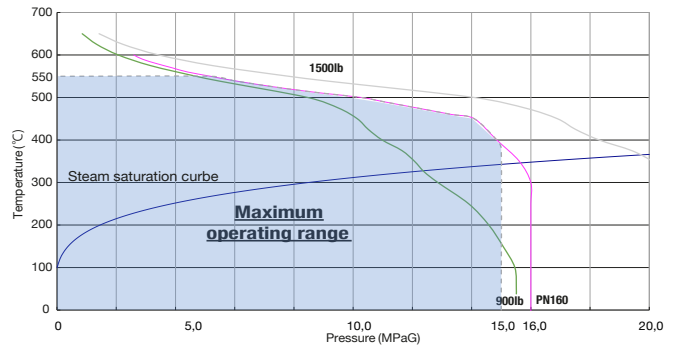
Flanged



DISCHARGE CAPACITY



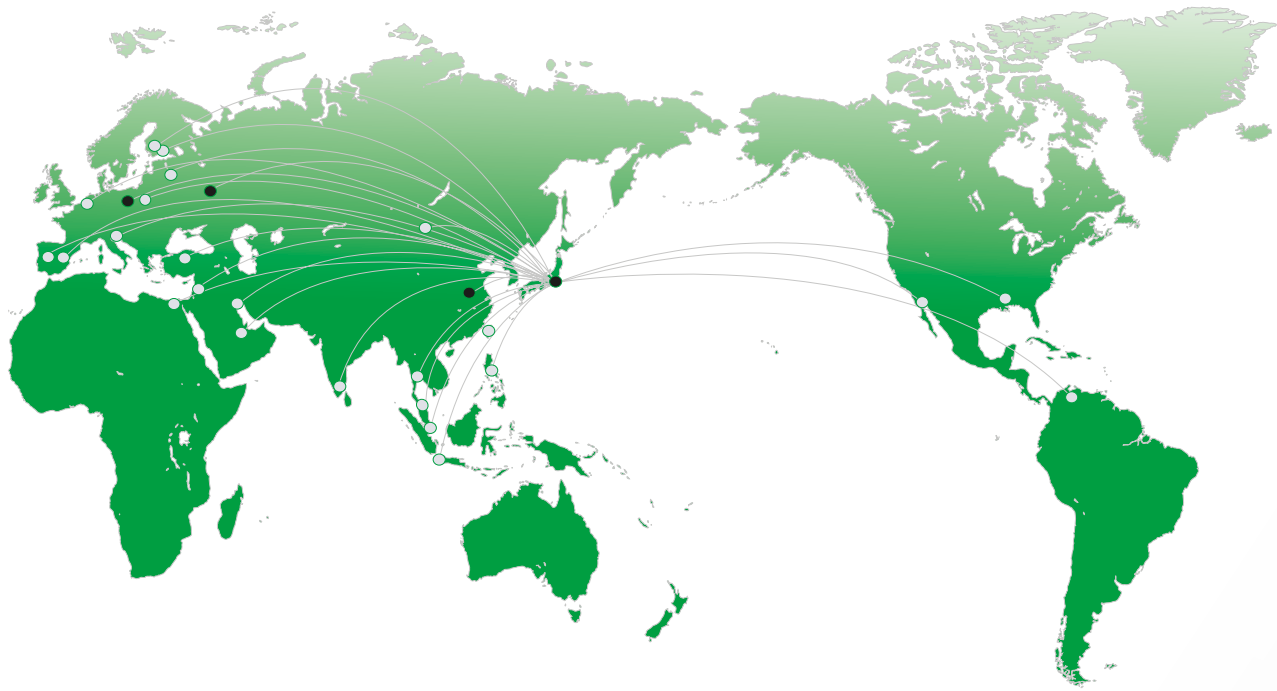
MAXIMUM OPERATING PRESSURE / TEMPERATURE



SPECIFICATIONS

Model	Connection		Max. operating pressure		Max. differential pressure		Max. operating temperature		Dimensions mm (in)				Maintenance space mm (in)		Body Material	Weight			
	Type	Size	PMO (MPa)	PMO (psig)	ΔPMX (MPa)	ΔPMX (psig)	TMO (°C)	TMO (°F)	L	H1	H2	W1	W2	E1		E2	kg	lb	
-100W	Socket Weld	1/2"	10,0	1450	10,0	1450	550 at 5.18 MPa	1022 at 751 psi	485 (19.0)	165 (6.5)	210 (8.3)	80 (3.1)	440 (17.3)	150 (5.9)	450 (17.7)	A217 WC9	111	244	
-150W			15,0	2175	15,0	2175													
-100BW	Butt Weld	1"	10,0	1450	10,0	1450													495 (19.5)
-150BW			15,0	2175	15,0	2175													
GTH10	Flanged (ASME/JPI)	1/2"	10,0	1450	10,0	1450													495 (19.5)
		3/4"	10,0	1450	10,0	1450													505 (19.8)
		1"	10,0	1450	10,0	1450	475 (18.7)												
-150F	Flanged (PN160)	DN15	15,0	2175	15,0	2175	495 (19.5)												
		DN25	15,0	2175	15,0	2175	495 (19.5)												

A NETWORK ALL OVER THE WORLD



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