



STEAM TRAPS

Thermodynamic ▪ Inverted Bucket
 ▪ Float and Thermostatic

- Maximizes steam efficiency
- Rugged, long-life design
- Lowest total cost of ownership

Self-contained automatic valves that discharge condensate, air, and other non-condensable gases from steam systems while preventing live steam loss. Maintains heat-transfer efficiency and protects equipment from water hammer and corrosion, improving energy performance and process reliability.



HOW IT WORKS

Automatically discharges condensate, air, and non-condensable gases from a steam system while preventing live steam from escaping. Opens when condensate is present and closes when steam reaches the trap, maintaining efficient heat transfer and system pressure.

INLET/OUTLET	1/2" TO 2" available in Socket Weld & NPT
DESIGN PRESSURE	See pressure & temperature designation table
AVAILABLE MATERIALS	Cast Iron, Cast Steel, Stainless Steel
ADDITIONAL FEATURES	High pressure and high capacity configurations available in select sizes

APPLICATIONS

- Hot water heaters
- Heating coils
- Steam separators
- sterilizers
- Autoclaves
- Dryers
- Dehumidifiers
- Heat exchangers

Application Support

Fil-Trek supports the accurate sizing and selection of steam traps—helping you identify the right replacement trap or specify the best option for new installations based on capacity, operating conditions, and application requirements. Contact us for guidance and recommendations.



PRESSURE & TEMPERATURE DESIGNATION

PRODUCT TYPE	MOC	PSI	SIZE	TEMP (°F)	CAPACITY (LBS/HR)	CONNECTION
TD	Stainless Steel	300	1/2"	800	980	NPT
		600	1/2", 3/4", 1"		1600	
TDHC	Stainless Steel	600	1/2", 3/4", 1"	800	5100	NPT
IB	Cast Iron	250	1/2", 3/4"	428	600	NPT
FT	Cast Steel	65, 145, 200	1/2", 3/4", 1", 1 1/2", 2"	425	65 PSI - 11135 145 PSI - 11275 200 PSI - 11430	NPT Socket Weld
	Stainless Steel	65, 145, 200	1", 1 1/2", 2"			
FT	Cast Iron	65, 145, 200	1", 1 1/2", 2"	425	65 PSI - 11135 145 PSI - 11275 200 PSI - 11430	NPT
FTHP	Cast Steel	65, 145, 200, 300, 350	1/2", 3/4", 1"	750	65 PSI - 3685 145 PSI - 3540 200 PSI - 2585 300 PSI - 1632 350 PSI - 1275	NPT
FTHP	Cast Steel	65, 145, 200, 300, 350	1 1/2", 2"	800	65 PSI - 11135 145 PSI - 11275 200 PSI - 11430 300 PSI - 12380 350 PSI - 12775	NPT
FTHC	Cast Iron	65	1 1/2", 2"	425	65 PSI - 33660	NPT
		200			200 PSI - 38340	



*For sizing for your application, please contact factory

Thermodynamic (TD, TDHC)

Full stainless steel with integral strainer. Handles fluctuating loads and pressures and provides stable disc lift for reduced wear and tight shut-off for condensate discharge with minimal steam loss.

Float and Thermostatic (FT, FTHC, FTHP)

Continuous, modulating condensate discharge at steam temperature. Designed for horizontal installation on low-to-medium pressure steam heating and process equipment (including saturated or superheated steam service).

Inverted Bucket (IB)

Highly resilient to water hammer and mechanical damage, ideal for harsh process environments with medium to heavy condensate loads.

ORDERING INFORMATION

PRODUCT CODE

TD - Thermodynamic
 TDHC - Thermodynamic High Capacity
 IB - Inverted Bucket
 FT - Float & Thermostatic
 FTHC - Float & Thermostatic High Capacity
 FTHP - Float & Thermostatic High Pressure

CONNECTION

NPT - NPT
 SW - Socket Weld

SIZE

0.5 - 1/2"
 0.75 - 3/4"
 01 - 1"
 01.5 - 1 1/2"
 02 - 2"

PRESSURE

065 - 65 PSI
 145 - 145 PSI
 200 - 200 PSI
 250 - 250 PSI
 300 - 300 PSI
 350 - 350 PSI
 600 - 600 PSI

MATERIAL

SS - Stainless Steel
 CT - Cast Steel
 CI - Cast Iron

Example: FT-SW02-145-SS