

Robust Steam Trap Portfolio for Drip, Tracing and Process Applications



Yarway™ Steam Traps

Thermodynamic, Thermostatic and Mechanical steam traps for a wide range of applications.



Drip and Tracer Steam Traps

Discharge of condensate from steam line drip, steam tracing, turbine drains and soot blowers in light to medium process applications.

Series	ANSI Ratings Pressure / Temperature	Technology	Sizes	Features & Benefits
721	600 psi / 750°F 41 bar / 400°C	Thermodynamic (Disc)	NPS 3/8, 1/2, 3/4, 1 DN 10, 15, 20, 25	In-line renewable capsules. Compact disc trap. Excellent choice for tracing and steam line drip.
29 / 29A	600 psi / 750°F 41 bar / 400°C	Thermodynamic (Disc)	NPS 3/8, 1/2, 3/4, 1 DN 10, 15, 20, 25	Simplified, integral seat disc trap with only three parts - body, disc, bonnet.
29S	300 psi / 750°F 21 bar / 400°C	Thermodynamic (Disc)	NPS 1/4 DN 8	Small, compact, integral seat disc trap with "T" strainer. Designed for tracing.
129Y	400 psi / 750°F 28 bar / 400°C	Thermodynamic (Disc)	NPS 3/8, 1/2, 3/4, 1 DN 10, 15, 20, 25	Simplified, integral seat disc trap with wye strainer. Ideal for tracing or end of line steam line drip.
741	600 psi / 750°F 41 bar / 400°C	Thermodynamic (Piston)	NPS 1/2, 3/4, 1 DN 15, 20, 25	Compact, variable orifice trap, operable over a broad pressure range. Renewable in-line, with four capacity internals.
761	600 psi / 750°F 41 bar / 400°C	Thermostatic (FTE)*	NPS 3/8, 1/2, 3/4, 1 DN 10, 15, 20, 25	Cyclic actuation provides efficient and easy to check operation. Renewable in-line, fail open.
PB	600 psi / 750°F 41 bar / 400°C	Thermostatic (FTE)*	NPS 1/2, 3/4 DN 15, 20	Cyclic actuation for ease of checking, fail open design. Low cost for end of line drip or tracing service.
B302 / B303	580 psi / 572°F 40 bar / 300°C	Thermostatic (Bimetallic)	NPS 1/2, 3/4, 1, 1 1/2, 2 DN 15, 20, 25, 40, 50	Energy-efficient steam traps for Drip & Tracing applications.

*FTE = Filled Thermal Element

721 Series



Type 29



129Y Series



741 Series



761 Series



PB Series



Type B302



Type B303



Emerson experts can conduct steam trap surveys or utilize our wireless steam trap monitoring solution to ensure proper steam trap operation and minimize steam loss.

Process Steam Traps

Discharge of condensate from shell and tube heat exchangers, tank coils, air heaters, platens, preheat coils and paper machines.

Series	ANSI Ratings Pressure / Temperature	Technology	Sizes	Features & Benefits
40D	600 psi / 750°F 41 bar / 400°C	Thermodynamic (Lever)	NPS 1/2, 3/4, 1 DN 15, 20, 25	Fast response, lever trap for condensate loads to 80,000 lb/hr.
40	600 psi / 750°F 41 bar / 400°C		NPS 1 1/2, 2, 3 DN 40, 50, 80	
151	300 psi / 750°F 21bar / 400°C	Thermostatic (FTE)*	NPS 3/4, 1 DN 20, 25	Dual-range thermostatic trap with integral FTE pilot valve for fast response. Designed to fail open.
AV5	600 psi / 650°F 41 bar / 340°C	Thermostatic Air Vent	NPS 1/2, 3/4 DN 15, 20	Designed to vent air from steam systems and improve warm-up and heat transfer rate. Cyclic FTE action helps provide positive closure. All stainless steel with integral screen.
FIT100	465 psi / 850°F 32 bar / 454°C	Mechanical (Float and Thermostatic - Levered)	NPS 1/2, 3/4, 1 DN 15, 20, 25	An excellent choice in process applications due to their adaptability to changes in process conditions and ability to remove air for optimal heat transfer.
FIT200	465 psi / 800°F 32 bar / 425°C		NPS 1, 1 1/2, 2 DN 25, 40, 50	
FXT300	250 psi / 450°F 17.2 bar / 232°C	Mechanical (Float and Thermostatic - Leverless)	NPS 1/2, 3/4, 1, 1 1/2, 2 DN 15, 20, 25, 40, 50	Float is free of levers, linkages or other mechanical connections. Condensate is discharged continuously.
FXT700	650 psi / 750°F 44.8 bar / 400°C			

*FTE = Filled Thermal Element

High Pressure Steam Traps

Discharge of condensate from steam line drips, turbine drains, soot blowers and high pressure process.

Series	ANSI Ratings Pressure / Temperature	Technology	Sizes	Features & Benefits
460 / 515	1500 psi / 1000°F 103 bar / 538°C	Thermodynamic (Piston)	NPS 1/2, 3/4, 1 DN 15, 20, 25	Designed for high pressure with several capacity ratings available. The lowest capacity ratings are normally recommended for "drip" service. Higher capacity ratings for heavier loads. Designed to fail open. Full size integral strainer. Renewable factory assembled and preset quick change trim. Traps available with 1/2 in. socketweld blow-off connection for integral strainer.
460D3 / 515D3	1500 psi / 900°F 103 bar / 482°C	Thermodynamic (Disc)	NPS 1/2, 3/4, 1 DN 15, 20, 25	
C250 / C260	1500 psi / 1000°F 103 bar / 538°C	Thermodynamic (Piston)	NPS 1, 1 1/2, 2 DN 25, 40, 50	
C500	2500 psi / 1000°F 172 bar / 538°C	Thermodynamic (Piston)	NPS 1/2, 3/4, 1 DN 15, 20, 25	
C546	4500 psi / 1000°F 310 bar / 538°C	Thermodynamic (Piston)	NPS 1 DN 25	
B318 / B320	1595 psi / 977°F 110 bar / 525°C	Thermostatic (Bimetallic)	NPS 1/2, 3/4, 1 DN 15, 20, 25	Energy-efficient traps for saturated and superheated steam applications.

Type 40D



Type 151-A



Type 151-IH



Type AV5



FXT Series



FIT200 Series



Type 515



Type 515-D3



Type C250



Type C500



Type C546



Type B318



Universal Steam Traps

Series	ANSI Ratings Pressure / Temperature	Technology	Features & Benefits
UB300	693 psi / 752°F 47 bar / 400°C	Thermostatic (Bimetallic)	Stainless steel Bimetallic steam trap for drip and tracing applications. Used with Yarway Universal Connectors.
UF800	693 psi / 752°F 47 bar / 400°C	Float & Thermostatic	Stainless steel Float & Thermostatic steam trap suitable for various process equipment. Used with Yarway Universal Connectors.
721-UC	600 psi / 750°F 41 bar / 400°C	Thermodynamic (Disc)	The working portion of the trap is contained in easily installed stainless steel capsules. Changing the capsule only takes a couple minutes and results in a brand new steam trap while the body and adaptor remain in-line as a permanent holder. Rather than replacing the entire trap next time, only the capsule needs changed, saving time and expense.
741-UC		Thermodynamic (Piston)	
761-UC		Thermostatic (FTE)	

Yarway™
Universal Connector



Type UB300 with
Universal Connector



Type UF800 with
Universal Connector



721-UC Series



Clean Steam and Sanitary Steam Traps

Series	ANSI Ratings Pressure / Temperature	Technology	Sizes	Features & Benefits
ST600	150 psig / 366°F	Thermostatic	NPS 1/2, 3/4, 1, 1 1/2 DN 15, 20, 25, 40	Self-draining, stainless steel steam trap with a self-centering valve for leak-tight shutoff. Bellows and SLR option for improved sensitivity. Easily disassembled for cleaning.
ST800	150 psig / 366°F	Thermostatic	NPS 1/2, 3/4 DN 15, 20	Universally configurable, self-draining, stainless steel trap with a self-centering valve for leak-tight shutoff. Bellows and SLR option for improved sensitivity. Easily disassembled for cleaning.
CT100	100 psig / 338°F	Thermostatic	NPS 3/8, 1/2, 3/4, 1 DN 10, 15, 20, 25	Thermostatically actuated and maintenance free, single piece with fail open design. Self-draining when installed vertically. It has SLR orifice option for improved sensitivity. NPT or socket weld connections
CT150	150 psig / 366°F	Thermostatic	NPS 1/2, 3/4, 1 DN 15, 20, 25	

Yarway sanitary steam traps are FDA, USP Class VI and ASME BPE compliant.

Type ST600



Type ST800



Type CT100



Model CT150



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