

STRITT & PRIEBE INC.

Types of Steam Traps

Type	Thermostatic		Mechanical	Thermodynamic		Orifice
	Bellows	Bimetal	F&T	Bucket	Disc	Orifice
Condensate Discharge	Intermittent	Intermittent	Continuous	Intermittent	Intermittent	Continuous

Steam Trap Selection Criteria

FUNCTION	Thermostatic	Thermodynamic	Mechanical		Orifice	Free Float
			F & T	IB		
Response to Load Changes	Moderate	Slow	Fast	Moderate	Very Slow	Fast
Air Venting	High	Low	Med/High	Low	Low	High
Thermal Efficiency	High	Medium	Med/High	Medium	High †	Med/High
Applications	Drip Legs Tracing Process Eqpt.	Drip Legs Tracing	Drip Legs Process Eqpt.	Drip Legs Process Eqpt.	Drip Legs	Drip Legs Process Eqpt.
Affected By Ambient Temperatures	No	Yes (unless insulated)	No (susceptible to freezing)		No	No (may freeze)
Relative Cost	Low	Low	Medium	Med/Low	Low	Medium
Capacity	Medium	Low	High		Low	High
Pressure Range	to 650 psi	10 to 600 psi	to 650 psi	to 250 psi	to 2500 psi	to 650 psi
Size vs. Capacity	Small	Medium	Large		Small	Large
Life Expectancy	Moderate	Moderate	Moderate	Moderate	Long	Long
Ease of Maintenance	Very Easy	Very Easy	Moderate		Very Easy	Moderate
Orientation Limits	No	No	Yes		No	Yes

† Within narrow load range.

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