

STRITT & PRIEBE INC.

Steam Trap Application Guide

This guide is designed to direct the user to selecting a General Steam Trap Technology. These choices are based on many years of steam trap manufacturing experience. The choices, however are not limited to these alone. Variations in individual systems (superheat, water hammer, insulation, etc.), as well as personal preference, should be taken into consideration.

KEY: 1=1st Choice; 2=2nd Choice; 3=3rd Choice; 4=4th Choice; x=Not Recommended

Application	Thermo-static	Thermo-dynamic	Free Float	Inverted Bucket	Float & Thermostatic	Orifice	Minimum Safety Factor
Drip & Tracing							
Main Drip to 30 PSIG	1	x	2	3	2	4	1.5:1
to 300 PSIG	1	2	3	2	3	3	1.5:1
to 650 PSIG	1	2	x	x	3	2	1.5:1
to 2500 PSIG	x	x	x	x	x	1	1.5:1
Steam Tracing	1	2	2	2	2	3	1.5:1
Process							
Heat Exchanger to 20 PSIG	2	x	1	2	1	x	2:1
to 150 PSIG	1	x	1	2	1	x	2:1
to 300 PSIG	1	x	1	2	1	x	2:1
to 600 PSIG	x	x	1	x	x	x	2:1
Cooker/Reactor to 15 PSIG	2	x	1	3	1	x	3:1
to 60 PSIG	1	x	1	3	1	x	3:1
to 150 PSIG	1	x	1	3	1	x	3:1
to 600 PSIG	2	x	1	x	x	x	3:1
Pressing to 100 PSIG	1	x	1	2	1	x	3:1
to 300 PSIG	1	2	2	2	x	x	3:1
Reboiler	2	x	1	3	1	x	2:1
Rotating Cylinders	2*	x	1*	2	x	3	3:1
Sterilizer	1	x	2	x	2	x	2:1
Tank Heating Storage	1	x	2	x	2	x	1.5:1
Line Heater	1	x	2	x	2	x	3:1
Evaporator	x	x	1	2	2	x	2:1
HVAC							
Air Heating Coils to 15 PSIG	2	x	1	3	1	x	2:1
to 60 PSIG	2	x	1	2	1	x	2:1
to 250 PSIG	2	x	1	x	x	x	3:1
Radiator	1	x	x	x	x	4	2:1
Unit Heater	1	x	1	2	1	x	2:1
Absorption Chiller	2	x	1	2	1	x	2:1

* Requires Steam Lock Release

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