

Figure 36: Steam Trap Selection Guide

As the USA's leading provider of steam system solutions, Spirax Sarco recognizes that no two steam trapping systems are identical. Because of the wide array of steam trap applications with inherently different characteristics, choosing the correct steam trap for optimum performance is difficult. Waterhammer, superheat, corrosive condensate, or other damaging operating characteristics dramatically affect performance of a steam trap. With over 80 years of experience in steam technology, Spirax Sarco is committed to helping its customers design, operate and maintain an efficient steam system. You have our word on it!

Application	1st Choice						2nd Choice					
	Float & Thermostatic	Thermo-Dynamic®	Balanced Pressure	Bimetallic	Liquid Expansion	Inverted Bucket	Float & Thermostatic	Thermo-Dynamic®	Balanced Pressure	Bimetallic	Liquid Expansion	Inverted Bucket
Steam Mains												
to 30 psig	✓											✓
30-400 psig		✓										✓
to 600 psig		✓										✓
to 900 psig		✓										✓
to 2000 psig		✓										✓
with Superheat		✓								✓		
Separators	✓											✓
Steam Tracers		✓							✓			
Critical												
Non-Critical			✓					✓				
Heating Equipment												
Shell & Tube Heat Exchangers	✓											✓*
Heating Coils	✓											✓*
Unit Heaters	✓											✓*
Plate & Frame Heat Exchangers	✓											✓*
Radiators			✓									
General Process Equipment												
to 30 psig	✓											✓*
to 200 psig	✓											✓*
to 465 psig	✓											✓*
to 600 psig						✓						
to 900 psig						✓						
to 2000 psig						✓						
Hospital Equipment												
Autoclaves	✓								✓			
Sterilizers	✓								✓			
Fuel Oil Heating												
Bulk Storage Tanks			✓				✓					
Line Heaters	✓											
Tanks & Vats												
Bulk Storage Tanks			✓				✓					
Process Vats	✓							✓				
Vulcanizers		✓					✓					
Evaporators	✓											✓
Reboilers	✓											✓
Rotating Cylinders	✓											✓
Freeze Protection					✓							

* With the addition of thermostatic air vent device