



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 it's customers design, operate and maintain an efficient steam system. You have our word on it!

Application		1st Choice						
		Float & Thermostatic	Thermo-Dynamic®	Balanced Pressure	Bimetallic	Liquid Expansion	Inverted Bucket	Float & Thermostatic
Steam Mains	to 30 psi g	✓						
	30-400 psi g		✓					
	to 600 psi g		✓					
	to 900 psi g		✓					
	to 2000 psi g		✓					
	with Superheat		✓					
Separators		✓						
Steam Tracers	Critical		✓					
	Non-Critical			✓				
Heating Equipment	Shell & Tube Heat Exchangers	✓						
	Heating Coils	✓						
	Unit Heaters	✓						
	Plate & Frame Heat Exchangers	✓						
	Radiators			✓				

Application		1st Choice						
		Float & Thermostatic	Thermo-Dynamic®	Balanced Pressure	Bimetallic	Liquid Expansion	Inverted Bucket	Float & Thermostatic
General Process Equipment	to 30 psi g	✓						
	to 200 psi g	✓						
	to 465 psi g	✓						
	to 600 psi g						✓	
	to 900 psi g						✓	
	to 2000 psi g						✓	
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						✓		

Application		2nd Choice				
		Thermo-Dynamic®	Balanced Pressure	Bimetallic	Liquid Expansion	Inverted Bucket
Steam Mains	to 30 psi g					✓
	30-400 psi g					✓
	to 600 psi g					✓
	to 900 psi g					✓
	to 2000 psi g					✓
	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 psi g					✓
	to 200 psi g					✓
	to 465 psi g					✓
	to 600 psi g					
	to 900 psi g					
	to 2000 psi g					
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						