Steam Trap Selection Guide

As a leading supplier of steam traps, VELAN 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. VELAN is committed to helping its customers design, operate, and maintain an efficient steam system.

Application	1st Choice				2nd Choice			
	Monovalve Float	Bimetallic® Multi-Segment	Bimetallic® Piston Operated®	Thermodynamic	Monovalve Float	Bimetallic® Multi-Segment	Bimetallic® Piston Operated®	Thermodynamic
Steam Mains								
0-15 psig	✓					✓		
15-600 psig		✓						✓
to 1500 psig		✓						✓
to 2500 psig		✓						✓
to 4500 psig		✓						✓
with Superheat		✓						✓
Separators	✓						✓	
Steam Tracer								
Critical		✓						✓
Non-Critical		✓						✓
Heating Equipment								
Shell & Tube Heat Exchangers	✓						✓	
Heating Coils	✓						✓	
Unit Heaters	✓					✓		
Plate & Frame Heat Exchangers	✓						✓	
Radiators		✓						
General Process Equipment								
to 200 psig	✓							
to 600 psig		✓						
to 900 psig		✓						
to 1500 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		✓						