



# 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 85 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         |                               |                      |                |                   |            | ✓                |                 |                      |                |                   |            |                  |                 |

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# Fax

|                            |               |
|----------------------------|---------------|
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Please fill out this specification form and fax to one of the three locations:

Memphis: 901-357-1379

Little Rock: 501-835-2277

Nashville: 615-255-2212