



INSTALLATION AND MAINTENANCE INSTRUCTIONS

IMI 7.415

May 1998

Pipeline Strainers For Steam, Liquid & Gas

Type CI-125 or IF-125 (Renamed CI-125, 1986)

Installation

1. Before installing the strainer, make sure the upstream and downstream piping is free of all foreign material, scale, etc.
2. Make certain the arrow cast on the strainer body is pointing in the direction of flow.
3. Install with adequate clearance provided for blowdown valve and screen removal between strainer and associated piping.
4. For horizontal steam and/or gas line service, the strainer should be installed on its side to minimize the amount of liquid lying in the screen area.
5. Check maximum allowable working pressure and temperatures on Spirax Sarco TIS 7.415 against actual operating conditions.
6. Pressure gauges installed upstream and downstream of pipeline strainer will indicate pressure loss due to clogging and serve as a positive guide in determining cleaning requirements.
3. For maximum efficiency, determine the time required for the screen to become approximately 1/3 clogged and then clean regularly. If the strainer is installed with a full bore blowdown valve, open until sediment is removed. Where strainer is not fitted for blowdown, remove cap and screen and carefully brush out all sediment before reassembly.
4. During scheduled shutdowns, remove cap, clean and inspect screens for damage. The screen must be perfectly round and fit tightly in the body; otherwise, some sediment may bypass the collecting area. (Note: Spare screens and cap gaskets will facilitate shorter "shutdown time.")
5. When replacing screens, check the final position to ensure no damage during tightening of the strainer cap and to ensure that the screen will be tightly contained.

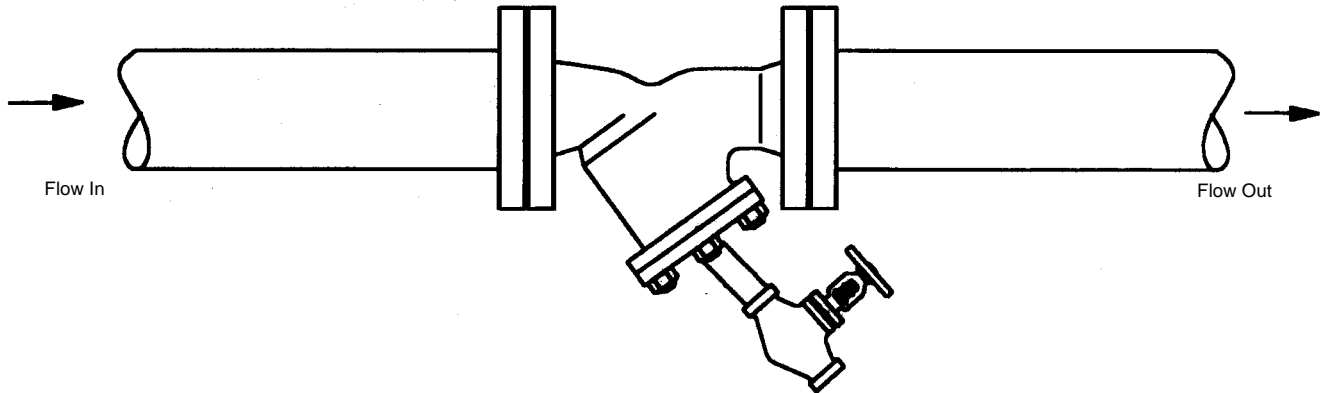
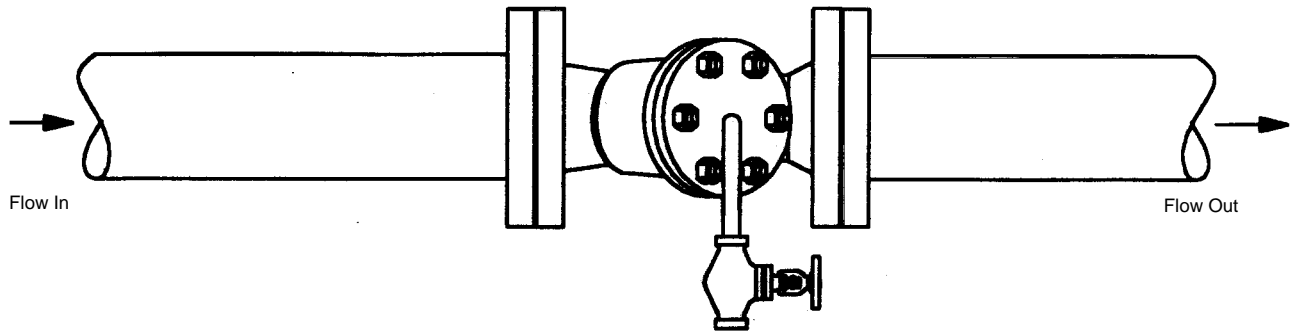
Maintenance

1. Best screen cleaning results are obtained when the screen is removed for cleaning rather than just "blow-down."
2. For new installations, it is essential to remove and clean the screen or blow the strainer free of build-up materials after the first few days of operation. Repeat thereafter as needed.

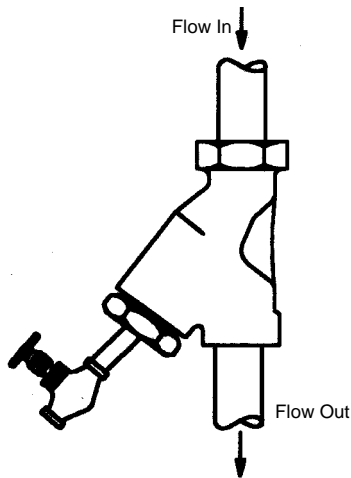
Available Parts

1. Strainer Screen
2. Cap Gaskets
3. Blowoff Cap
4. Blowoff Plug
5. List Price: See Spirax Sarco "Parts List"
6. When ordering parts, please include the following:
 - a. Part Name
 - b. Strainer Size
 - c. Strainer Type
 - d. Type Service

Example: 1/32" Perforated Stainless Steel Screen for 4" Spirax Sarco Type IF or CI-125 Strainer, suitable for 125 psi steam.



Horizontal Flow for Liquid Applications



Vertical Down Flow Steam, Gases, and Liquids

Spirax Sarco Applications Engineering Department

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