

# Steam Filter Station Kit

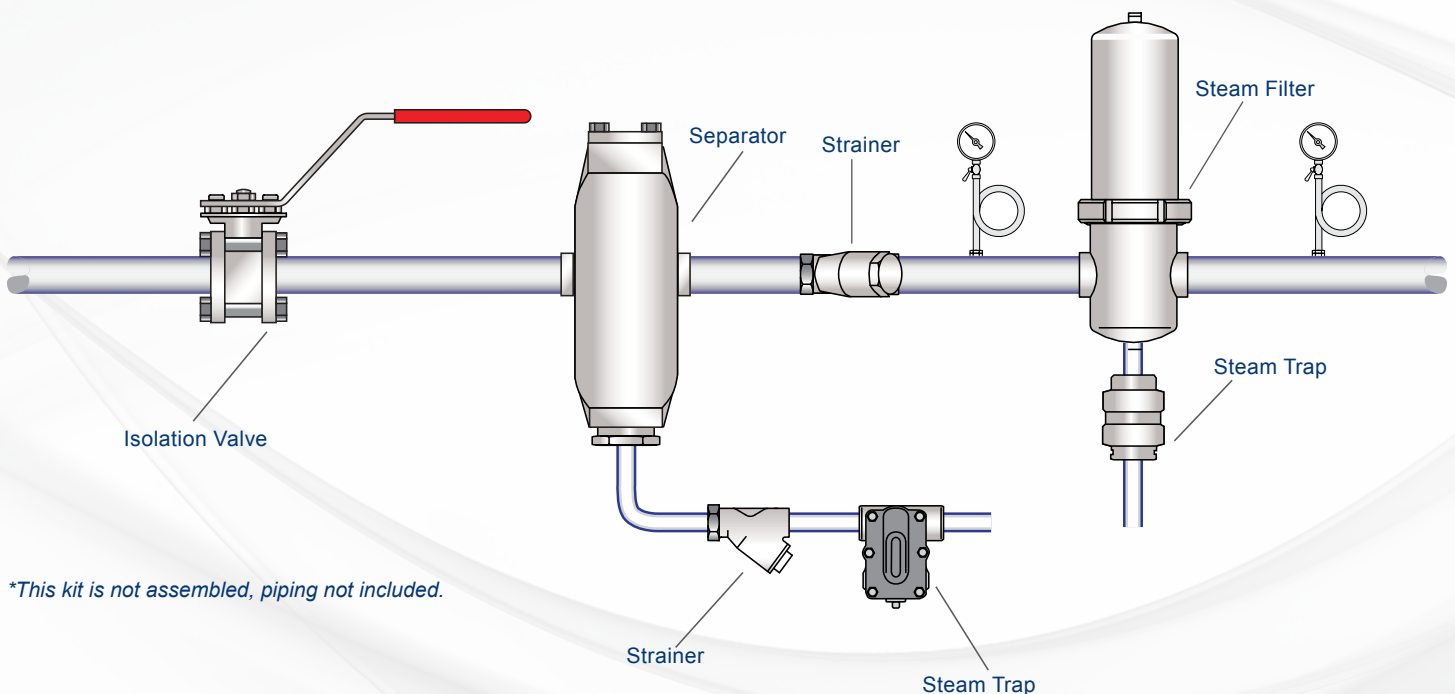
The solution for optimum processing efficiency in your steam system

## Performance that Exceeds Your Needs

- Cleanable element reduces total cost of ownership
- Filter station kits available from one source ensure equipment compatibility
- Filter conforms to 3-A Accepted Practice Number 609-03
- Effective moisture and particle separation for optimum processing efficiency
- Compact design for ease of installation and maintenance

## FS Steam Filter Stations

The use of any steam filter without adequate preconditioning of the steam will reduce performance, resulting in frequent element cleanings or replacement, and subsequent high maintenance costs. Spirax Sarco steam filter station kits include a line size separator with an associated strainer and steam trap. These components will remove residual condensate and water droplets carried in suspension within the steam. Installed prior to the CSF16 steam filter, a line size pipeline strainer will remove larger solid particles, thus prolonging periods between filter cleaning. Each steam filter station kit also includes an isolating ball valve and a thermostatic steam trap for the steam filter drain. Pressure gauge assemblies, including siphon and isolation valve, provides visual indication of when elements need to be cleaned / replaced.



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# Selecting a System

The selection table lists a number of steam filter stations based on a 5 micron filter rating and the recommended 1 psi pressure drop. To choose an appropriate steam filter station kit, move to the row corresponding to the steam supply pressure available. Select the first steam filter station with a saturated steam capacity equal to or greater than that required.

The selection table gives a description of the included components. Optional "S" versions denote all stainless steel components. If pressure regulation is required, product information is available upon request.

*Note: Interconnecting pipework is not supplied. All system components are threaded NPT. Full technical details for each product contained in a Steam Filter Station Kit are available upon request.*



Steam Filter Station	FS1	FS1S	FS2	FS2S	FS3	FS3S	FS4	FS4S	FS5	FS5S
Line Size	½"		¾"		1"		1½"		2"	
Separator Type	S1	S6	S1	S6	S1	S6	S2	S6	S2	S6
Installation Ball Valve	M10S2	M10S4	M10S2	M10S4	M10S2	M10S4	M10S2	M10S4	M10S2	M10S4
Strainers (2)	IT	TSSY	IT	TSSY	IT	TSSY	IT	TSSY	IT	TSSY
Separator Steam Trap	FTI-125	FTS14-10	FTI-125	FTS14-10	FTI-125	FTS14-10	FTI-125	FTS14-10	FTI-125	FTS14-10
Filter Body	½" CSF16		¾" CSF16		1" CSF16		1½" CSF16		2" CSF16	
Filter Element	5 micron element									
Pressure Gauge	FS1 → FS5S 0 - 100 psig (completed with ring siphon and isolation valve)									
Filter Steam Trap	¼" MST-21									
Steam supply pressure psig	Saturated steam capacity lb/h									
10	35		65		110		270		445	
20	50		90		150		370		615	
30	60		110		190		470		780	
40	75		135		230		565		945	
50	90		160		270		660		1105	
60	100		185		310		755		1265	
70	115		210		350		850		1420	
80	125		230		385		950		1580	
90	140		255		425		1040		1740	
100	150		280		460		1130		1895	
110	165		300		500		1230		2050	
120	175		325		540		1320		2210	

\*Recommended option for air venting: ¼" MST-21

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