

Filters for the Food Industry

Steam Filters

Balston Series SR Filters are in full compliance with the requirements of the US Food, Drug and Cosmetic Act. They also meet the federal regulations for Indirect Food Additives for use as Basic Components of Repeated Use Food Contact Surfaces as specified in 21 CFR Part 177, and Current Good Manufacturing Practices, 21 CFR Part 110. These filters have been accepted by the USDA for use in federally inspected meat and poultry plants. Balston Steam Filters are in full compliance with the 3A Accepted Practices (Number 609-04) for producing steam of culinary quality. They are also in full compliance with the requirements of the Health Protection Branch of Health and Welfare Canada.

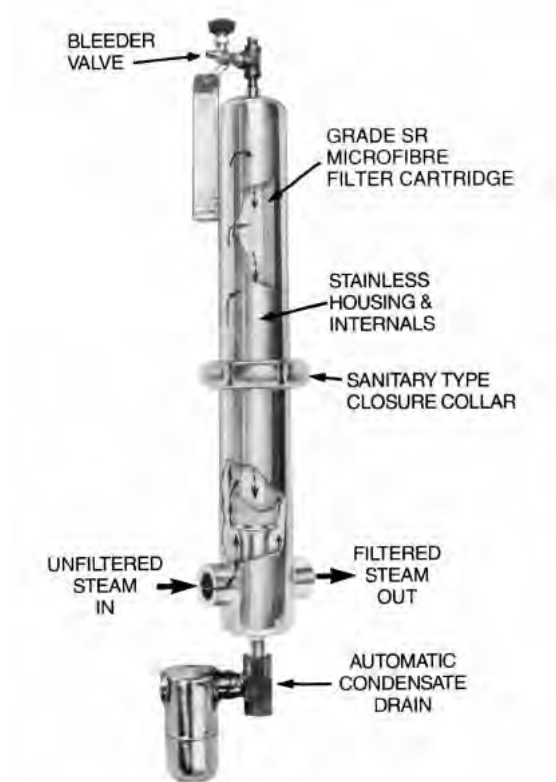
Benefits

Balston Steam Filters eliminate particulate contamination of food products caused by direct contact with dirty steam. Other benefits include: reduction in steam condensate mixing with food products when steam is used for agitating, mixing, or cooking; eliminate taste and odor problems by reducing boiler feed-water carryover; Reduced maintenance requirements.

How it Works

The steam filter contains a patented Microfibre® filter cartridge in a rugged stainless steel housing designed specifically for steam service.

As shown in the cutaway drawing, steam enters the housing into an expansion chamber, where much of the condensate is knocked out of the steam as a result of the abrupt change in flow direction and velocity. The steam then flows upward in the housing, through the Balston grade SR microfibre filter cartridge (outside-to-inside flow), and then downward to the exit port. The grade SR filter cartridge, rated at 98+% efficiency for 0.1 micron and larger particles, removes essentially all the suspended solid particles and the remaining water droplets. The water draining from the filter cartridge and the expansion chamber is automatically removed from the housing by the automatic condensate drain.



Model 23/75SR



Model SP6-23/75SR

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Recommended Steam Filters

For 3/4" and 1" Steam Lines	For 1-1/2" Steam Lines	For 2" Steam Lines
Model 23/75SR is recommended in smaller lines with a steam flow of up to 500 lbs. per hour. The filter is complete with filter cartridge, steam trap, and bleeder valve.	Model SP3-23/75SR is recommended. It will filter up to 1500 lbs. of steam per hour. Each of the three filters has its own steam trap. A master trap disposes of most condensate before it reaches the filters. Manifolds can be connected to flow from left to right or right to left.	Model SP4-23/75SR is recommended. It will filter up to 2000 lbs. of steam per hour. The Model SP6-23/75SR will filter up to 3000 lbs of steam per hour. Steam trap and manifold features are the same as the Model SP3-23/75.

Principal Specifications

Model	23/75SR	SP2-23/75SR	SP3-23/75SR	SP4-23/75SR	SP6-23/75SR
Port Size	1" NPT	1 1/2" NPT	1 1/2" NPT	2" NPT	2" NPT
Max Pressure	125 psig (3.6 barg)	125 psig (3.6 barg)	125 psig (3.6 barg)	125 psig (3.6 barg)	125 psig (3.6 barg)
Flow Rate	500 lbs/hr (230 kg/hr)	1000 lbs/hr (450 kg/hr)	1500 lbs/hr (680 kg/hr)	2000 lbs/hr (910 kg/hr)	3000 lbs/hr (1360 kg/hr)
Materials of Construction	304 SS	304 SS	304 SS	304 SS	304 SS
Seals	EPR (2)	EPR (2)	EPR (2)	EPR (2)	EPR (2)
Shipping Wt	26 lbs. (12 kg)	Approx. 110 lbs (50 kg)	190 lbs. (86 kg)	220 lbs. (100 kg)	280 lbs. (127 kg)
Dimensions	7"W X 35"L (18cm X 88cm)	22"W X 46"L X 11"D (56cm X 117cm X 28cm)	29"W X 48"L X 21"D (74cm X 122cm X 53cm)	36"W X 48"L X 21"D (91cm X 122cm X 53cm)	50"W X 47.8"L X 22"D (74cm X 122cm X 53cm)

Ordering Information

For assistance, call toll-free at 1-800-343-4048 8AM to 5PM Eastern Time

Model	23/75SR	SP2-23/75SR	SP3-23/75SR	SP4-23/75SR	SP6-23/75SR
Replacement Filter Cartridges (Box of 10)	200-75-SR (3)	200-75-SR (3)	200-75-SR (3)	200-75-SR (3)	200-75-SR (3)
Filter Cartridges per housing	1	2	3	4	6

Notes:

- Each SP3, SP4, SP6 filter is supplied mounted on a stand.
- Constructed of food grade EPR.
- Each Steam Filter Assembly is supplied with filter cartridges installed.