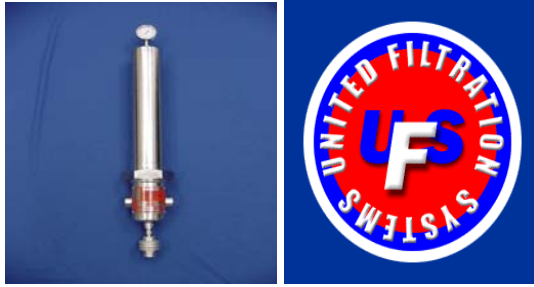


U1891SFR STEAM FILTER



- 304 STAINLESS STEEL FILTER HOUSING WITH EASILY REPLACEABLE DISPOSABLE ELEMENT
- RECLEANABLE STAINLESS STEEL ELEMENTS AVAILABLE
- SPECIAL CONSTRUCTED BAFFLE TO REMOVE BULK CONDENSATE AT FILTER INLET
- TOP MOUNTED ELEMENT FOR EVEN STEAM FLOW
- LARGE SUMP TO ELIMINATE CONDENSATE CARRY-OVER

Our U1891 SFR steam filter is especially designed for steam service. The U1891 SFR comes complete with gauge, bleeder valve and one 51-460-70ZZ disposable depth filter, rated at 98% efficiency for 0.1 micron. An automatic condensate valve is included.

Recleanable stainless steel sintered filter elements are available, designated 1, 3, 10, 25, 50, 100 and 200, at 98% removal ratings in microns. Grade 25 is recommended for removal of fine pipe scale and bulk condensate from steam. The 25 micron element will provide high performance while allowing generous flow through the system.

The U1891 SFR can remove large amounts of contamination due to a uniquely designed cavity baffle that abruptly changes steam flow direction and velocity thus knocking out much of the problem causing condensate and large pipe scale. From the baffle cavity, steam moves upward to the filter element chamber where the 70ZZ microfiber filter element removes essentially all suspended solid particles and remaining water droplets. The base of the element chamber is protected by an inverted stack. The stack (secondary baffle) removes bulk liquids and deflects incoming we steam up and through the element for improved performance. The water draining from the filter element and baffle cavity may be automatically removed from the housing by a float drain or thermostatic drain. A thermostatic drain is included.

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FINE FILTRATION FOR INDUSTRY

U1891SFR STEAM FILTER

ELEMENT SPECIFICATION

Disposable Filter Element Code:	51-460-70ZZ
Maximum Capacity (Using 51-460-70ZZ):	Approximately 275 lbs/hr at 45 PSIG
Recleanable Filter Element Code (Optional extra):	SS-189-_____T*(1)

*Note: (1) Enter micron grade required e.g. 1, 3, 10, 25, 50, 100, 200.

Material of Construction	
Housing:	304 Stainless Steel
Seals:	EPR
Gauge:	316 Stainless Steel
Bleed Valve:	316Stainless Steel
Disposable Filter Element:	Borosilicate microfiber with PVDF Binder
Recleanable Filter Element:	316 Stainless Steel with PTFE Seals
Steam Connection	1" NPT Female
Drain Connection	½" NPT Female
Valve Connection	¼" NPT Male
Maximum Steam Pressure	200 PSIG
Weight	Approximately 15 pounds

ELEMENT SPECIFICATION

- A. Technical Details:
- Process Connection is 1" NPT
 - Condensate Connection is 1/2" NPT
 - Relief Valve Connection is 1/4" NPT
- B. Mounting Instructions:
- Housing must be Mounted Vertically
 - Use of a Thermically Controlled Condensate Drain is Advised (e.g. Spirax Sarco)
This Drain Must be Mounted Approximately 3 Feet From Steam Filter to get a Temperature Drop of 20°F
 - It is Advised to Change the Filter Element at Least Every 4-6 Weeks
 - When Changing Element, the D-Ring Must be Greased or Replaced
- C. Disassembly of Housing:
1. Relieve Pressure from Housing with Needle Valve
 2. Unscrew Collar of Housing with Wrench
 3. Remove Upper Bowl of Housing
 4. Slide Old Element from Core
 5. Slide New Element on Core
 6. Check and Grease Seal Ring
 7. Replace Upper Bowl
 8. Check if Needle Valve is Closed
- D. Important Part Numbers:
- Filter Element: 51-460-70ZZ
 - Seal Ring: EPDM D-RING #GVU1891
 - Relief Valve: Hoke Needle Valve 3722M4Y

-CANADIAN REGISTRATION NUMBER ON FILE

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