

PRODUCT INFORMATION

PROSEP
FILTER SYSTEMS

All Welded Stainless Steel Cartridges

AWS filter cartridges are suitable for applications that require a robust filter cartridge resistant to aggressive chemicals and high temperatures.

AWS filter cartridges are constructed from 316L grade stainless steel and assembled without the use of resins or adhesives, all AWS filter cartridges are fully welded. The filter media is TiG seam welded and the media, centre core and end fittings assembled using the same procedures.

AWS cartridges have an operating range of -150°C to +300°C and, in the case of pleated cartridges, up to 25 bar differential pressure.



Cleaning

Reverse flow

Where most of the contamination is larger than the pore size of the filter media, reverse flowing the liquid or gas through the element will usually be adequate for cleaning. Typically, a flow of at least 2 times the forward flow provides good cleaning.

Ultrasonic cleaning

Again, surface contamination can be removed by ultrasonic cleaning in a bath containing detergent, deeply embedded particulate may not be removed.

Chemical cleaning

A variety of chemicals (solvents, acids, caustic etc) can be used to dissolve the contaminant or process fluid if it has hardened on contact with air.

High temperature burnout

Contact Prosep for detailed advice.

Media options

SM

Stainless steel mesh for filtration ratings 2 micron to 840 micron. These cartridges offer high permeability at the higher micron ratings, and low cost.

SF

Stainless steel fibre for absolute filtration ratings of 3, 5, 10, 15, 20, 30, 40 and 60 microns. These cartridges offer high permeability at low micron ratings, low differential pressure, high dirt capacity and a beta 5000 absolute rating.

SP

Stainless steel powder for absolute filtration ratings of 15, 25, 40 and 60 microns. These cartridges are less permeable than the SSF product but are more robust, 100 bar differential pressure rating.

| Code | Micron | Length over gasket | End Cap | Gasket | Type | Outer |
|---------------|-------------------|--------------------|---------------|--------------|--------------|-----------------|
| AWSM = Mesh | 0002 = 2 micron | 5 = 124mm | DO = DOE | E = EPDM | C = Cylinder | No code = Plain |
| AWSF - Fibre | 0005 = 5 micron | 10 = 250mm | TC = 222/flat | N = Nitrile | P = Pleated | HC = Screen |
| AWSP - Powder | 0010 = 10 micron | 20 = 508mm | TF = 222/fin | S = Silicone | | |
| | 0015 = 15 micron | 30 = 762mm | SC = 226/flat | T = FEP | | |
| | 0020 = 20 micron | 40 = 1016mm | SF = 226/fin | V = Viton | | |
| | 0040 = 40 micron | | TH = Thread | | | |
| | 0070 = 70 micron | | | | | |
| | 0100 = 100 micron | | | | | |
| | 0250 = 250 micron | | | | | |
| | 0450 = 450 micron | | | | | |
| | 0840 = 840 micron | | | | | |

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for all your filter requirements