

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 $+300^{\circ}\text{C}$ 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.

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 SF

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					
	Other micron ratings available					

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for all your filter requirements