

NP-GS Steam Filter



Specifications

Size, "(inch):	-
Filtration rating, μm :	1 μm , or 20 μm
Flowrate, l/min:	-
Max. Temp. C°:	-20°C to 210°C
Diff. Pressure:	Max. 5 bar
Efficiency, %:	-
Connection:	SS304 end caps, Code Y, DOE or Code 7
Material:	Sintered steel SS316L
O-ring:	EPDM (others available)
Approval(s):	FDA CFR article 21/EC 1935/2004

The NP-GS filter is designed for removal of particles from gases, liquids and particularly steam.

The NP-GS consists of a restorable weldless filter pipe made from sintered stainless steel. The filter is well suited for culinary steam – where contact with production machines and end product is needed.

The NP-GS is suited for use in temperatures ranging from -20°C to 210°C and has a maximal differential

Applications	1 μm	20 μm
Food Contact	•	
General use of steam		
Pre-filtration of steam		•

Conversion factor for steam temperature				
Steam temperature °C	110	121	140	160
Conversion factor	0,5	1	2	3
Filtration Surface				
494 cm ² per 10" element (10/30) (250 mm)				

Element Dimensions (mm)					
Element size	A	B	Ø C	Ø D	Filtration Surface
03/10	76	12	¾"	42	59,28 cm ²
04/10	104	12	¾"	42	83,98 cm ²
04/20	104	14	1"	52	93,86 cm ²
05/20	104	14	1"	52	93,86 cm ²
05/25	128	14	1"	62	158 cm ²
07/25	180	14	1"	62	232 cm ²
05/30	128	16	2"	86	227 cm ²
07/30	180	16	2"	86	336 cm ²
10/30	254	16	2"	86	494 cm ²
15/30	381	16	2"	86	766 cm ²
20/30	508	16	2"	86	1037 cm ²
30/30	762	16	2"	86	1620 cm ²
30/50	762	16	2"	140	2910 cm ²

Materials	
Filter media	Sintered SS 1.4404
Endcaps	SS 1.4301
Bonding material	Plastic Steel (>150°C welded endcaps)
O-rings	EPDM (others available)

Features	Benefits
Filter medium and endcaps made of stainless steel	Good durability against most liquids, gases and aggressive steams
Retention rate of 1 or 20 µm (98% efficiency for steam, 100% efficiency for gases)	Exactly defined particle retention rate at given pore size
Sintered stainless steel filter medium with a porosity level of more than 50%	High dirt holding capacity, good flow rate at low differential pressure
Regenerable with ultrasonic bath	Filtration costs reduced to a minimum, in particular for high dirt load
Stainless steel sintering technology	No use of additives or other chemical binders needed
Available in 13 sizes	Optimum filter size for individual application
Compents made of stainless steel	Temperature range from -20 up to 210°C

