

FILTERING CANDLES SERIES CC-S

METAL SINTERED FIBRE ELEMENTS BACK-WASHABLE
(2 up to 10, absolute filtration rating)

These tubular filter elements are designed for liquid and gas dead-end microfiltration applications, to be used in a wide variety of industries. They are made of sintered stainless steel fibre media (standard alloy 316L), offering a high porosity (average 75%).

In comparison with sintered metal or ceramic powder elements, we obtain up to 20 times higher permeate flow rates, due to the high porosity and low wall thickness.

The strong fibre structure guarantees an outstanding cleanability through backwashing and other techniques like ultrasonic, chemical or steam cleaning.

FEATURES

The metal fibre Element is recognised as a superior filtration solution in highly demanding applications where extremely high porosity, high efficiency and a long on-stream life time are to be combined with excellent cleaning and corrosion & temperature resistance. The use of the CC-S filtering candles for filtration in the polymer industry is a typical example.

- Stiffened structural module construction assure sturdiness to the element, guaranteeing integrity and long service life; the radial type seal, allows, also in presence of irregular pressure, to avoid "particles migration".
- Standard construction is provided for working temperature from -20°C up to 380°C. Changing media and the assembly method, temperatures that may satisfy every working requirements can be reached.

Easy regeneration through backwashing and other techniques like ultrasonic, chemical or steam cleaning.



*Ultra Mesh
sintered fibre and
woven cloth*

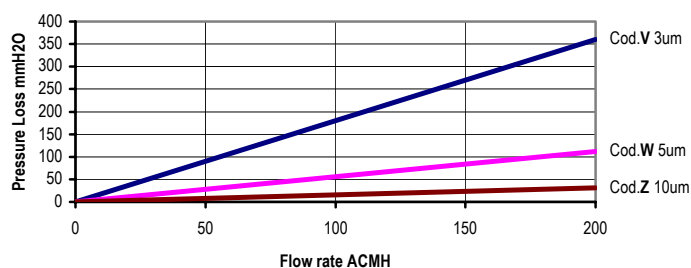


Cod.	Nom. um	Abs. um
Y	0.3	2
V	0.5	3
W	2	5
Z	5	10

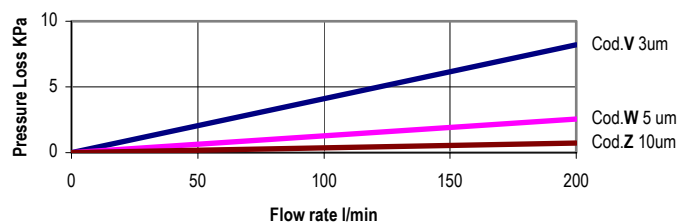
DIMENSIONS and OPERATING DATA

Model	Length mm	OD mm	ID mm
CC-S 10	254	78	62
CC-S 20	508	78	62
CC-S 30	762	78	62
CC-S 40	1016	78	62

Pressure Loss Element CC-S40..
with air



Pressure Loss Element CC-S40..
With water



*** Formula used to calculate Δp changing liquid viscosity and specific weight**

" Δp_B " = Δp actual

" Δp_A " = Δp read on graph

" v_B " = Actual viscosity in cSt

" sw_b " = actual specific weight

Operational Data

Maximum Rated Differential Pressure 7 bar (Ext.to int.)

Maximum Rated Operating Temperature 200°C with Viton Gaskets

ORDERING CODE

CC-S		05		V		D	
Height mm	Code	Filtration Rating μ	Code	Materials Gaskets/Core-plates/Medium		Code	
254	10	2	Y	Viton/C.Steel znt/SS316L		B	
508	20	3	V	Viton/SS304L/SS316L		C	
762	30	5	W	Viton/SS316L/SS316L		D	
1016	40	10	Z	PTFE/SS316L/SS316L		E	

