SOLINOX

STAINLESS STEEL CARTRIDGE - WOVEN FABRIC ON CYLINDRICAL SUPPORT

QUALI FILTRES
SIEBEC Group

DESCRIPTION

The Solinox filter element is designed and recommended for critical filtration applications and can be cleaned and reused repeatedly.

Typical applications include :
- Corrosive fluids attacking other synthetic media.
- Hot fluids and gases.
- Highly viscous fluids with high pressure drops.
- Ultra-pure fluid requiring non-fibrous filter elements.
- Liquefied gases.

It can be used in other types of applications, such as steam filtration, beverage, food and pharmaceutical industries. This cartridge can also be used as a filter cake support for pre-coated filters. The absence of fiber migration makes this cartridge ideal for ultra-clean fluid applications.

CONSTRUCTION

The Solinox filtering element is entirely made of stainless steel. It is composed of a cylinder comprising a woven fabric on a cylindrical support with a slot, the whole is made integral by welding the ends which are provided with exchangeable seals.

DIMENSIONS

The Solinox filter element is available in the following dimensions :
- External diameter : 68 mm
- Internal diameter : 26 and 36 mm
- Length : 250, 500, 750 and 1000 mm

MAXIMUM PRESSURE LOSS

The Solinox filter element can withstand a pressure drop of 20 bar without deformation. In practice, it is recommended to clean or replace the cartridge when the pressure drop reaches 2.5 bar.

TEMPERATURE RANGE

- 50°C to + 316° C.

CLEANING

The Solinox filter element can be cleaned by brushing, countercurrent, chemical or ultrasonic cleaning.

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FLOW RATE (L/H)

Dimensions	Filtration threshold					
	5 µm	10 µm	25 µm	40 µm	75 µm	150 µm
SLX - 2001	750	1500	2000	2500	2500	3000
SLX - 2002	1500	3000	4000	5000	5000	5000
SLX - 2003	2250	4500	5000	5000	5000	5000
SLX - 2004	2500	5000	5000	5000	5000	5000
SLX - 2501	750	1500	2000	2500	2500	3000
SLX - 2502	1500	3000	4000	5000	5000	6000
SLX - 2503	2250	4500	6000	7500	7500	7500
SLX - 2504	3000	6000	7500	7500	7500	7500

Water flow rate in l/h at 20° C with an initial pressure drop of less than 0.1 bar. The flow rate values can be exceeded; therefore, the filter's operating time will be reduced. It is advisable to size your filters based on values lower than the flow rates per cartridge indicated in the table.

ORDER REFERENCE

REFERENCE SLX	—	20	0	1	—	25	—	W	—	T
		Tab 1	*Tab 2*	*Tab 3*		*Tab 4*		*Tab 5*		*Tab 6*

Table 1 : Internal diameter

Code	Description
20	26 mm
25	36 mm

Table 2 : Tip

Code	Description
0	DOE: double opening with flat seals
7	SOE : simple opening with 2 O-rings 2.226. + bayonet and point closure at the other end
9	SOE single opening with 1 O-ring and flat seal at the other end

Table 3 : Dimensions

Code	Lenght	Filtration surface
1	10"	500 cm²
2	20"	1000 cm²
3	30"	1500 cm²
4	40"	2000 cm²

Table 4 : Filtration threshold

Code	Description
5	5 µm
10	10 µm
25	25 µm
40	40 µm
75	75 µm
150	150 µm
250	250 µm
350	350 µm
Other thresholds on request	

Table 5 : Fastening style of the fabric

Code	Description
W	Fabric sleeve fixed to the support by welding
R	Removable sleeve fixed to the support with a clinch
F	Sleeve welded at the ends and externally reinforced with helicoidal wire

Table 6 : Seals

Code	Seals		Tip
-	Standard	Silicone	207
-	Standard	Buna N	250 - 200
E	On request	EPDM	200 207
V	On request	VITON	
T	On request	Teflon	

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