

# SOLINOX

Stainless steel cartridge - woven fabric  
on cylindrical support



## 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.



## 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 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
<b>Other thresholds on request</b>	

**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 3 : Dimensions**

Code	Length	Filtration surface
1	10"	500 cm <sup>2</sup>
2	20"	1000 cm <sup>2</sup>
3	30"	1500 cm <sup>2</sup>
4	40"	2000 cm <sup>2</sup>

**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	