

SOLINOX



APPLICATIONS

The "Solinox" filter element is designed and recommended for critical filtrations and can be cleaned and reused over and over.

Typical applications are filtration of:

- Corrosive fluids that attack other type of filter media
- Liquid and gases at high temperatures
- High viscosity liquids requiring high differential pressures
- Ultra-clean fluids requiring non-fibrous media
- Liquefied gas

Other applications are filtration of steam, beverages, food and pharmaceutical products. The "Solinox" finds application also as cake-support in pre-coat filters. Furthermore it is characterized by the absence of media migration and it is recommended for this reason, downstream of other filters, in order to insure an ultra-clean system.

CONSTRUCTION

The "Solinox" filter is produced in stainless steel, with absence of other materials as bonding for sealing. It is made in cylindrical shape construction with woven wire mesh and slotted type tube as internal support welded to end caps equipped with replaceable gasket.

DIMENSIONS

The "Solinox" filter element has following dimensions:

- Outside diameter: 68 mm
- Inside diameter: 26 or 36 mm
- Nominal length : 250, 500, 750 e 1000 mm

MAX. DIFF. PRESSURE

The "Solinox" filter element can withstand, without deformation, 20 bar differential pressure. It is good practice to clean or to replace the filter element when the pressure drop reaches 2.5 bar.

TEMPERATURE RANGE

The "Solinox" filter element finds application in the temperature range from -50°C to $+316^{\circ}\text{C}$.

CLEANING

The "Solinox" filter element can be restored to its original conditions by brushing, backwashing, by chemical or ultrasonic cleaning.

Size	Flow rate l/h					
	Filtration rating					
	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

Flow rates in litres/hour of water at 20° C with initial pressure drop smaller than 0.1 bar.

The values of flow can be increased; however, this practice tends to reduce the life of the filter element. It is recommended that the user design the filters with a low flow rate for each filter element.

SOLINOX ORDERING INFORMATION

SLX - 2001 - 25 - W T

INSIDE DIAMETER	CODE
26 mm	0
36 mm	5

CONFIGURATION	CODE
DOE	0
Code 7	7
Code 9	9

LENGTH mm	FILTERING AREA	CODE
250	500 cm ²	1
500	1000 cm ²	2
750	1500 cm ²	3
1000	2000 cm ²	4

CODE	GASKET MATERIAL	CONFIGURATION
-	Silicone	Standard
-	Buna N	Standard
V	Viton	On request
T	Teflon	On request
E	EPDM	On request

CODE	MESH FASTENER STYLE
W	Mesh sleeve fixed to the support by welding
R	Removable sleeve fixed to the support by clips
F	Sleeve welded to the endcaps with outer helicoidal reinforcing support

CODE	NOMINAL FILTRATION GRADE µm
5	5
10	10
25	25
40	40
75	75
150	150
250	250
350	350
Other filtration ratings on application	

DS-SLX-509-UK-11

Data contained in this bulletin are informative and subject to change without notice.

User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.



Bea Technologies Spa Via Newton, 4 - 20016 Pero (Milano) ITALY
Tel +39 02 339271 FAX +39 02 3390713 e-mail: info@bea-italy.com
web: www.bea-italy.com