

STEELPORE

Stainless steel cartridge – pleated media
made of sintered stainless steel fibers



Description

Made entirely of stainless steel, the STEELPORE filter element offers depth filtration through a media composed of sintered stainless steel fibers. These fibers produce an optimized porous media screen for particle retention down to a 0.5 micron threshold. The depth media is first held between 2 layers of woven fabric before being pleated. The woven fabric provides additional mechanical reinforcement and facilitates liquid distribution to provide excellent filtration performance with minimal pressure drop. The assembly of the media and the end caps of the STEELPORE filter element is carefully welded allowing a high pressure resistance up to 350°C. The STEELPORE filter cartridge is designed to be perfectly cleaned and regenerated by countercurrent, steam or chemical sanitization.



Applications

Food and beverage	Water, Wine, Beer
Chemical	Solvents, polymeric solutions
Cosmetics	Essential oils, herbs, soaps
Paints	Liquid resins, paints
Hydraulics	Hydraulic and diathermic oils
Automobiles	Electrophoresis solution
Water treatment	Ultrafiltration and Reverse Osmosis

Construction materials

Filter media	Inox 316 Sintered porous fibers
Internal Core	Inox 316L
Tips	Inox 316L

Terms of service

Maximum continuous operating temperature	350°C
Maximum cumulative steam sterilization time	Repetitive sterilization with 30 minutes cycle at 135°C
Disinfection with chemical agent	Possible with all common chemical agents
Regeneration	Steam, chemical or backwash
Maximum pressure drop	15 bar at 25°C
Recommended replacement pressure differential	10 bar at 25°C

Water flow rate per 10" cartridge

Code	Filtration threshold (microns)	Max recommended flow rate l/h
005	0,5	2 000
010	1,0	2 000
050	5,0	3 000
100	10,0	4 000
200	20,0	4 000
400	40,0	4 000

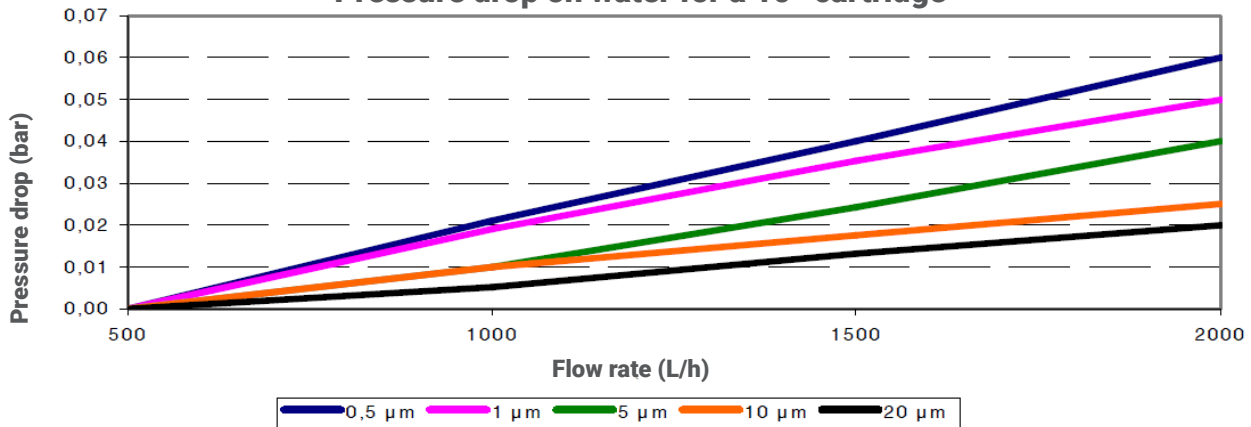


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Pressure drop on water for a 10" cartridge



ORDER REFERENCE

REFERENCE SLP — **207** — **1** — **010** — **BQ** — **SB** —
Tab 1 Tab 2 Tab 3 Tab 4 Tab 5 Tab 6

Table 1 : Tip

Code	Description
200	DOE: double opening with flat seals
206	SOE : simple opening with 2 flat seals 2.226. + bayonet and point closure at the other end
207	SOE : simple opening with 2 O-rings 2.226. + bayonet and point closure at the other end
208	SOE: single opening with 2 O-rings 2.222. and point closure at the other end
20A	SOE: single opening with 2 O-rings 2.222. and point closure at the other end
20B	SOE 1,5 N'PT
20C	SOE 2' NPT

Table 4 : Manufacturing grade

Code	Description
BQ	Biological grade
GG	General grade
WG	Industrial grade

Table 2 : Nominal length

Code	Description
1	10"
2	20"
3	30"
4	40"

Table 5 : Packaging type

Code	Description
SB	Individual box

Table 3 : Absolute filtration threshold

Code	Description
005	0,5
010	1,0
050	5,0
100	10,0
200	20,0
400	40,0

Table 6 : Seals

Code	Seals	
Empty	Standard	Silicone
E	On request	EPDM
V	On request	VITON
N	On request	BUNA
F	On request	PTFE