

STERYAQUA

- Extended effective filtering area
- Testable in situ
- Repeatedly steamable in situ or in autoclave
- Sanitizable and regenerable
- Thermowelded construction
- EC-listed materials for Food contact
- FDA-listed materials per CFR21
- Bio-Safety per USP-Plastics



The media utilized for the construction of STERYAQUA allows a pleated arrangement with extended effective filtering area. STERYAQUA is particularly appreciated to reduce the bio burden in water filtration; typical applications are upstream softening systems, backwashing systems for dialysis, bottle washing, etc... Whether the application requires higher safety standard, STERYAQUA is available with double layer of membrane. The cartridges are manufactured within a controlled environment.

MATERIALS OF CONSTRUCTION

	Single membrane	Double membrane
Filter media	PES membrane	
Prefilter	//	PES membrane
Supports	polyester	polyester
Internal Core	polypropylene	
External Cage	polypropylene	
End caps/Adapters	polypropylene	

FOOD-SAFETY

STERYAQUA filter elements materials meet (EU) regulation 10/2011 and its amendments, regulations (EC) 1935/2004 and 1895/2005.

BIO-SAFETY

Filter media and components pass USP Biological Reactivity and Chemical-Physical tests for CLASS VI plastics.

QUALITY STANDARDS

Produced under a certified Quality System to guarantee traceability of manufacturing records and integrity testing results.

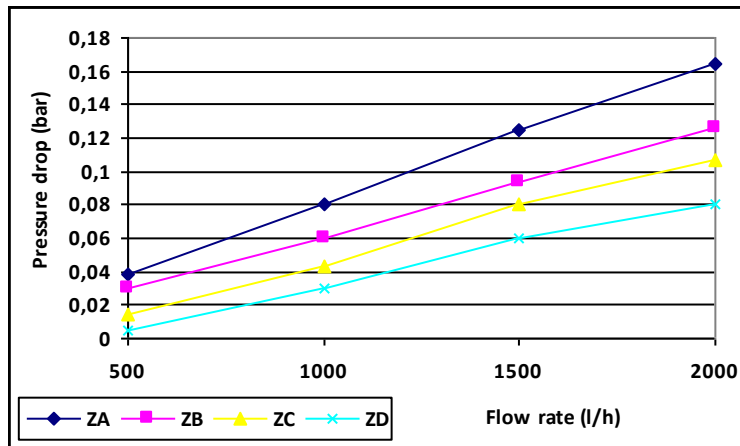
OPERATING CONDITIONS

- max. continuous temperature	65 °C
- max. cumulative time of steam sterilization	20 hours at 125 °C with cycles of 30 minutes
- sanitization with hot water	80 °C max
- sanitization with chemicals	can be sanitized by standard chemical agents
- regenerable	2% NaOH solution at 25 °C
- max. differential pressure	5,0 bar at 25 °C
- recommended change out differential pressure	2,0 bar at 25 °C
- recommended rinse up volume	3 liter/ 10" cartridge

CODE	ABSOLUTE FILTRATION RATING IN LIQUIDS	ACCEPTABLE LIMIT FOR PRESSURE HOLD TEST*		ACCEPTABLE LIMIT FOR WATER DIFFUSION TEST FOR 10" CARTRIDGE (ml/min)
		No.1 30" cartridge	No.8 30" cartridges	
ZA	0,1 µm	≤ 0,14 bar @ 2,5 bar	0,11 bar @ 2.5 bar	≤ 22 @ 2,5 bar
ZBB	0,2 µm double membrane	≤ 0,10 bar @ 1,8 bar	0,08 bar @ 1.8 bar	≤ 15 @ 1,8 bar
ZB	0,2 µm	≤ 0,10 bar @ 1,8 bar	0,08 bar @ 1.8 bar	≤ 15 @ 1,8 bar
ZCC	0,45 µm double membrane	≤ 0,13 bar @ 1,2 bar	0,1 bar @ 1.2 bar	≤ 20 @ 1,2 bar
ZC	0,45 µm	≤ 0,13 bar @ 1,2 bar	0,1 bar @ 1.2 bar	≤ 20 @ 1,2 bar
ZD	0,65 µm	≤ 0,13 bar @ 0,9 bar	0,1 bar @ 0.9 bar	≤ 20 @ 0,9 bar

*The values are related to 5 minutes and are indicative as they depend on volume of the housing upstream the filter element.

WATER FLOW RATE FOR 10" CARTRIDGE



STERYAQUA ORDERING INFORMATION

QSP - 207 1 - ZB - GG - SB -

END FITTING	CODE
DOE: double open end with flat gaskets	200
SOE: open end with (2) O-Ring 2.222. Blind end with flat top.	203
SOE: open end with (2) O-Ring 2.226 and 2 bayonet locks. Blind end with fin.	207
SOE: open end with (2) O-Ring 2.222. Blind end with fin.	208
SOE: open end with (2) O-Ring 2.222 and 3 bayonet locks. Blind end with fin.	212

ABSOLUTE FILTRATION RATING micron	CODE
0,1	ZA
0,2	ZB
0,2 double membrane	ZBB
0,45	ZC
0,45 double membrane	ZCC
0,65	ZD

CODE	GASKETS		
No code	Standard	EPDM	200
S	On request	Silicone	
No code	Standard	Silicone	203 207 208
E	On request	EPDM	212

CODE	PACKING TYPE
SB	Single box

CODE	PRODUCT GRADE
GG	General Grade; without certification
CQ	General Grade; Quality Certification in the box

CODE	NOMINAL LENGTH
1	10"
2	20"
3	30"
4	40"

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.

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