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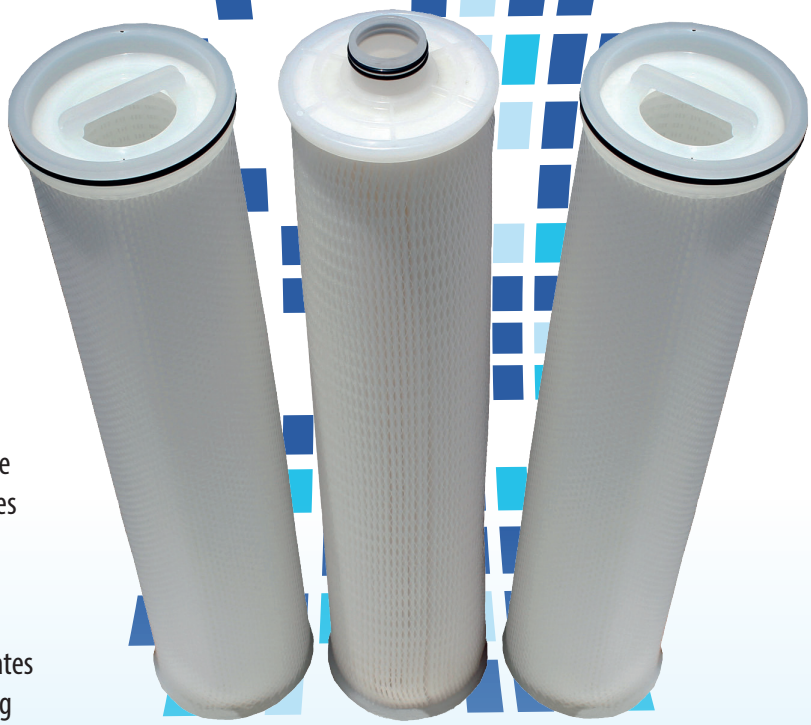
CH

HIGH FLOW FILTER ELEMENTS

Industry Standard Designs

CH Filter Elements offer high solids loading with the convenience of a bag. CH elements are constructed of thermally bonded, absolute rated, high porosity, pure filter media free of surfactants, sizing or binding materials that can contaminate sensitive processes. CH Filter elements feature a 150 mm nominal diameter body configured in various lengths, end cap designs materials of construction.
CH Filter elements are constructed in a wide array of medias for exacting applications. CH standard MOC is all pure polypropylene with optional polyester, nylon and glass microfiber. The pleated media and support layers are thermally embedded in thermoplastic end caps to eliminate potential bypassing. Thermoplastic or metallic exterior cages protect the pleat uniformity ensuring even flow.



Technical Features

- Inside-to-Out flow pattern retains all solids and particulates within the element to avoid residual contaminants during change-outs
- Outside-to-In pattern allow an higher furface area considering same filter housing dimension
- Absolute rated media consistently meets demanding requirements to protect critical processes
- Maximized surface area, porosity and depth meets high flow rates with many times the life over conventional bags or cartridges
- Thermally bonded pure polypropylene media is free of contaminants such as surfactants, sizing, potting adhesives or fibrous material
- High pressure differential ratings prevent overstressing and failure of media towards the end of a cycle
- Positive o-ring seal prevents by-passing of solids even in elevated temperatures

CARTRIDGE CODE IDENTIFICATION										
SERIES	VERSION	END CAP STYLE		HIGHNESS "	CORE MATERIAL	SUPPORT MATERIAL	CAPS MATERIAL	MICRON RATE	MEDIA	O-RINGS
		model	flow direction							
CH High Flow	6S High Efficiency 6H Absolute rate	A- 225 SOE M - 625 SOE	OUT-IN IN-OUT	10 15 20 28 40	C - PP	C - PP E - POLYESTER	C - PP	00-0,5 01-1 02-2 05-5 10-10	P - PP	3 - EPDM 6 - VITON
CH	**6S**	**A**		**28**	**C**	**C**	**C**	**5**	**P**	**6**

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Commercial Benefits

- Compact design minimizes installation costs and required plant area
- High efficiency purification extends chemistry life and production yields while protecting process equipment
- Extended intervals between replacements minimizes production downtime, and potential loss of usable chemistry
- Rapid element change-outs in only a few minutes
- High flow rates with low pressure drop reduces pump and motor HP and power consumption
- Light-weight, crushable, lower mass media material minimizes disposal costs
- Easy maintenance procedures reduce labor costs and potential exposure to hazardous chemicate

PLEATED ELEMENTS CHART		
Version	6H	6S
Efficiency	99,98%	98%
Equivalent micron rate	5	2
	10	5
	20	10
T max °C	70	
Start up Pressure (Bar)*	0,04-0,07	
Change out Pressure (Bar)*	0,7-1,8	
Max Differentia Pressure (Bar)**	3-6	

* Varies with micron rating, fluid properties and required flow rate
** Varies with process temperature

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