

# POLYMER FILTER CANDLES



LARGE AREA FILTRATION  
FOR POLYMER MELT SYSTEMS



## DESIGN BENEFITS

- For retention of hard impurities, soft impurities, process residuals, abrasions and other impurities
- Select from sintered metal fiber, wire mesh or Dutch weave media
- Nitronic 60 adaptor material, SS 316L/304 filter media
- All welded construction
- Exchangeable mesh packs

## PRODUCT DESCRIPTION

- ■ ■ ■ For use with polymer melt filtration systems, John Crane's Seebach® filter candles are cylindrical elements, produced with flat or pleated (increased surface area) filter media. Manufactured from stainless steel and other high-temperature, corrosion-resistant alloys, our elements are designed for optimum polymer flow and contaminant retention. Secure, welded construction featuring premium filter media and custom support cores support numerous cleaning cycles.

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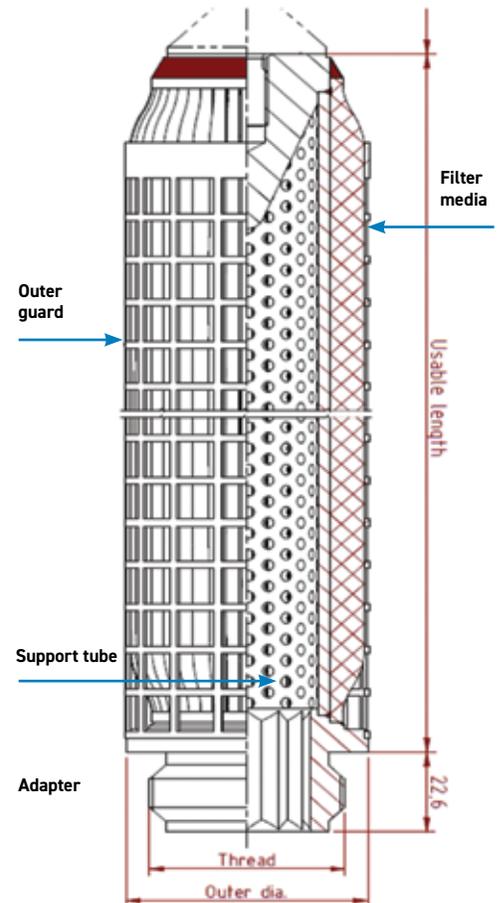


## LARGE AREA FILTRATION FOR POLYMER MELT SYSTEMS

John Crane's Seebach filter candles are sized and configured to your vessel specification with single candles from 0.13 m<sup>2</sup> to 1.10 m<sup>2</sup> with adaptors for custom connection mechanisms.

Over 50 years of experience in filter manufacturing enables John Crane Seebach to provide the optimum solution for you. Our filter candles feature established designs adapted to your specific needs. To reduce your OPEX and enable the best possible plant availability and product quality we have the state-of-the-art solution.

From simulation of the melt flow inside your filter, our unique design technology and process expertise provides the perfect tailor-made filter element. The best plant availability is ensured by the optimized design for lowest possible start-up pressure combined with packing density for the best cleanability. Additional efficiencies can be created by use of an exchangeable mesh pack scheme. Our rheologically optimized filter elements are proven to be dead zone free and produce the highest quality polymers to support you achieving the best product quality.



### DESIGN SPECIFICATIONS

Standard Filtration Ratings	Candle Length	Filtration Area of 60 mm Diameter candle*
15 µm, 20 µm, 40 µm, 60 µm (more on request)	10"	0.13-0.16 m <sup>2</sup>
	20"	0.32-0.37 m <sup>2</sup>
	30"	0.47-0.55 m <sup>2</sup>
	40"	0.64-0.75 m <sup>2</sup>
	50"	0.61-0.94 m <sup>2</sup>
	60"	0.74-1.10 m <sup>2</sup>

\* Candle diameters from 20 mm to 80 mm are available

Together, we will work with you to keep your mission-critical operations up and running with support and guidance from our experienced team.



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If the products featured will be used in a potentially dangerous and/or hazardous process, your John Crane representative should be consulted prior to their selection and use. In the interest of continuous development, John Crane Companies reserve the right to alter designs and specifications without prior notice. It is dangerous to smoke while handling products made from PTFE. Old and new PTFE products must not be incinerated. ISO 9001 and ISO14001 Certified, details available on request.