

# SPUNFLOW QA

## Filter Cartridges



SPUNFLOW QA cartridges are a range of absolute graded density filter elements, manufactured from thermally bonded polypropylene microfibers layered onto a resilient centre core. The construction consists of numerous, distinctive filter zones with coarser outer layers acting as prefilters for the tighter, absolute rated central zone, this profile produces an element possessing high voids volume, which benefit the user through high flow rates, low pressure loss, high dirt holding capacity and long life.

The thermally bonded media also eliminates fibre migration and resists the tendency to unload during service.

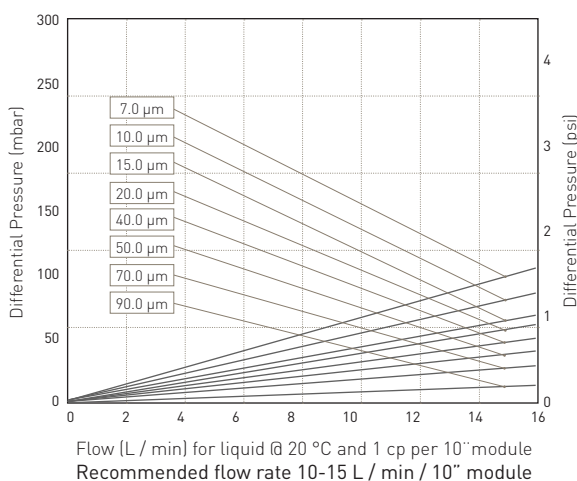
### Features

- Absolute ratings from 0.5 to 120 microns
- Thermally bonded polypropylene
- High throughputs and low pressure loss

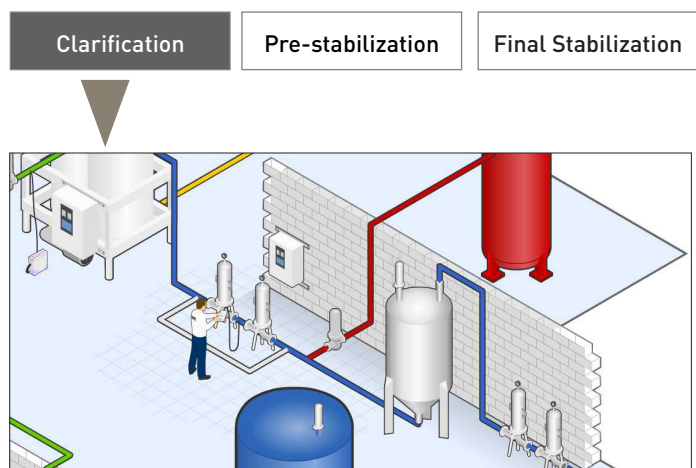
### Benefits

- Ability to provide defined clarification under a wide particle loading of the feed solution
- Strong construction for stable retention
- Decreased system size and lower running costs provide an economical solution to clarification applications

## Performance Characteristics



## Filtration Stage





## Specifications

### Materials of Construction

- Filtration Media: Polypropylene  
Polyester / Nylon
- End Caps: Polypropylene  
Nylon

### Food and Biological Safety

Materials conform to the relevant requirements of FDA 21CFR Part 177, current EC1935 / 2004 and current USP Plastics Class VI - 121 °C and ISO10993 equivalents.



### Cleaning and Sterilisation

SPUNFLOW QA can be repeatedly steam sterilised in situ or autoclaved up to 130°C [266°F]. They can be sanitized with hot water at up to 90°C and are compatible with a wide range of chemicals.

### Dimensions

Outside diameter: 64 mm (2.52")  
Inside diameter: 29 mm (1.14")  
a caged version can be supplied in polypropylene 68 mm (2.68")

### Recommended Operating Conditions

Maximum Temperature:  
Polyester / Nylon - 135°C [275°F]  
Polypropylene - 65°C [149°F]

Maximum Differential Pressure  
4 bar at 20°C (68°F)

Maximum Recommended Differential Pressure  
2 bar (29 psid)  
10" (250 mm) 0.38 m<sup>2</sup> (4.09 ft<sup>2</sup>)

## Ordering Information

QA													
Code	Length [Nominal]	Code	Material	Code	Micron	Code	End Fitting	Code	Seal Material	Code	Seal Material	Code	Option
09	9.75" [247 mm]	P	Polypropylene	A5	0.5 µm	0	DOE	E	EPDM	S	Standard	S	Stainless Steel
10	9.875" [251 mm]			A7	0.7 µm	2	Flat / 226	S	Silicone	L	Light cage		
11	10" [254 mm]			01	1 µm	3	Flat / 222						
19	19.50" [500 mm]			03	3 µm	6	Flat / 118 / 020						
20	20" [508 mm]			05	5 µm	7	Fin / 226						
29	29.50" [750 mm]			07	7 µm	8	Fin / 222						
30	30" [762 mm]			10	10 µm	9	213						
39	39.25" [1000 mm]			15	15 µm								
40	40" [1016 mm]			20	20 µm								
<i>Other lengths available upon request</i>													
				40	40 µm								
				50	50 µm								
				70	70 µm								
				90	90 µm								
				120	CA								
												Minimum Box Quantity	
												10"	40
												20"	20
												30"	20
												40"	20