

# Spunbonded

## Polypropylene Filter Cartridges SBPP



**EFC**  
FILTRATION

SPUNBONDED SBPP filter elements are manufactured from thermally bonded polypropylene microfibrils. They exhibit high throughputs, low pressure loss, high dirt holding capacity and long on stream life. SBPP true-graded density filter matrix (lower density at the surface of the filter with progressively higher density toward the center) captures particles throughout the entire filter depth. This translates to longer life and fewer change out than existing string-wound or resin-bonded filters. SBPP contains no wetting agents, solvents, antistatic agents or binders.



## Benefits

- True removal ratings for consistent and reliable performance.
- Tested to ensure efficiency is consistent even at extremes of flow and differential pressure.
- Filtration ratings 1 to 100  $\mu\text{m}$ .
- Wide chemical compatibility, using 100% pure polypropylene.
- Materials meet FDA requirements.
- Graded density structure for maximum dirt holding capacity.
- High void volume, resulting in low differential pressure.
- High strength all polypropylene cartridge, no support core required.
- Easy handling and operation.
- Fit into existing cartridge filter units.
- High efficiency, no polish treatment required.

## Applications

- Oil & gas
- Fine chemicals
- Petrochemical
- Food & beverage
- Electronics
- Metal finishing
- Pulp & paper
- Process water
- Waste water
- Pre filtration RO



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# Spunbonded Filter Cartridge

## SPECIFICATIONS

### Materials of Construction

#### Type of Construction

- Thermally bonded polypropylene microfibers

#### Filter Media

- Polypropylene microfiber

#### Media Support Layers

- Polyester

#### Thermally Welded End Caps

- Molded polypropylene

#### Seal Materials

- Buna-N

*Others on request*

### Dimensions

#### Cartridge Outside Diameter

- 2.5" (64 mm)

#### Cartridge Inside Diameter

- 1.1" (28 mm)

#### Cartridge Length

- 40" (1005 mm)

#### Connection

- Type 222 (code 3)

### Maximum Recommended Operating Conditions

#### Temperature

- 140°F (60°C)

#### Change Out $\Delta P$

- 40 psi (2,5 bar)

#### Flow Rate

- 4.2 bbl/hr (0,5 m<sup>3</sup>/hr) per 40" length @ 68°F (20°C)

### End Cap Configuration

222 O-rings & Flat End Cap

Double Open End



### Article description

## SBPP

Filter Rating				Nominal Length			End Cap Configuration	
Code	Micron	Code	Micron	Code	Inch	mm	Code	Description
1	1	30	30	5	5	127	2OF	222 O-rings/flat
3	3	40	40	10	10	254	DOE	Double open end
5	5	50	50	20	20	508	Others on request	
10	10	70	70	30	30	762		
20	20	100	100	40	40	1016		
Others on request				Others on request				