

## ProtectPP® FILTER CARTRIDGES

### THERMALLY-BONDED POLYPROPYLENE FILTERS FOR FINAL FILLING OF PIGMENT-BASED INKS/CERAMIC INKS

ProtectPP® Filter Cartridges are made of thermally-bonded polypropylene microfibers. This unique technology forms a rigid fiber structure providing final protection to ink jet inks prior to filling by eliminating the risk of releasing fibers.

| FEATURE                               | BENEFIT  |
|---------------------------------------|--|
| <b>Thermally-bonded media</b>         | Unique thermally-bonded polypropylene microfiber technology eliminates the risk of releasing fibers during the final filling of ink jet ink. |
| <b>Non-Fiber Releasing</b>            | Component materials meet the criteria for a "Non-fiber-releasing filter" as defined in 21 CFR 210.3 (b) (6)                                  |
| <b>18 MΩ pure water flushing</b>      | 18 MΩ pure water flushing in the filter manufacturing process ensures that the filter itself is cleaned to the highest of standards          |
| <b>All-polypropylene construction</b> | Excellent compatibility with most ink systems. Compatible over a wide range of inks.   |
| <b>Quality Assurance</b>              | These products are manufactured in a facility which adheres to ISO 9001 Practices. 100% Integrity tested and Lot traceable.                  |
| <b>Particle Shedding</b>              | Non-fiber releasing. Autoclaved filter effluent meets the requirements in USP <788>  |

#### SPECIFICATIONS

|                                    |   |
|------------------------------------|---|
| <b>Filter media</b>                | Thermally-Bonded Polypropylene Microfiber                                 |
| <b>Supports/core/cage/end caps</b> | Polypropylene   |
| <b>Effective filtration area</b>   | ≥0.6m <sup>2</sup> (6.5 ft <sup>2</sup> ) / Ø69-10 inch                   |
| <b>O-rings</b>                     | Silicone, EPDM, FKM, FEP/PFA encapsulated FKM                             |
| <b>Cartridge diameter</b>          | 69 mm (2.7 in.)   |
| <b>Max. Operating temperature</b>  | 80°C  |
| <b>Max. Differential pressure</b>  | 0.40 MPa (4.0 bar, 58 psi) at 21°C;<br>0.21 MPa (2.1 bar, 31 psi) at 80°C |
| <b>Removal rating</b>              | 0.1 µm to 100 µm  |



#### Typical Applications

- Pigment Inks
- Ceramic Inks
- Aqueous Inks
- Clarification

## ORDERING INFORMATION

EXAMPLE: **SLPP0100TC10E-C** = 1.0 µm, 222/Flat, 10" filter with EPDM seals

**SLPP**



### Removal Rating

0010 = 0.1 µm    0045 = 0.45 µm  
 0020 = 0.2 µm    0100 = 1.0 µm  
 0030 = 0.3 µm    1000 = 10 µm  
 0035 = 0.35 µm    5000 = 50 µm  
 0040 = 0.40 µm    100H = 100 µm



### Connection

DOE = Double Open End, Flat Gasket  
 TC = 222 O-ring/Flat  
 TF = 222 O-ring/Fin  
 SC = 226 O-ring/Flat  
 SF = 226 O-ring/Fin



**-C**

### Nominal Length

05 = 5"  
 10 = 10"  
 20 = 20"  
 30 = 30"  
 40 = 40"

### Seal Material

S = Silicone  
 E = EPDM  
 V = FKM  
 P = E-FKM (FEP/PFA encapsulated FKM)



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