Elements and Cartridges

Filter

Φ

Disposabl



# **Tekfil™N**

Nominal Rated Polypropylene Depth Cartridge Filters



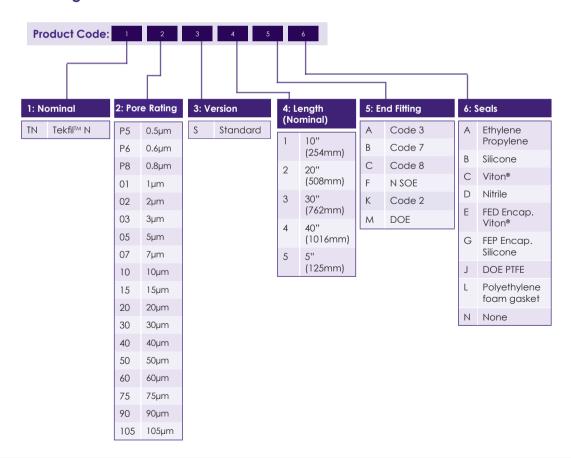
Tekfil™ N is a high flow, graded depth filter with high contaminant capacity for long life. Constructed from FDA approved polypropylene with excellent performance characteristics, it is an economic choice for a wide range of applications.

Tekfil $^{\text{IM}}$  is available in a range of industrial standard lengths.

# **Ordering Information**

# **Typical Applications**

- · Food and beverage
- Fine chemicals and solvents
- Coatings
- Photographic chemicals
- Metal finishing electroplating
- Water treatment prior to reverse osmosis
- Cosmetics product filling



## **Features and Benefits**

- Graded depth media
   The graded structure of the media provides prefiltration of the process fluid prior to the nominal rated final layer. This combination provides economy of use and a smaller process footprint.
- High degree of chemical compatibility
   Constructed entirely of polypropylene and/or nylon.
- Nominal removal ratings
   Tekfil<sup>TM</sup> N cartridges are validated using recognised industry standard test methods.
- Suitable for steam and hot water sanitisation Tekfil<sup>TM</sup> N cartridges are resistant to repeat steam sterilisation and hot water cycles.

## **Specifications**

#### **Materials of Manufacture**

Filter media: Polypropylene End fittings: Polypropylene

#### **Cartridge Dimensions (Nominal)**

Diameter: 63mm (2.5") Length: 254mm (10"), 508mm (20") 742mm (30")

762mm (30"), 1016mm (40")

#### Gaskets and O-Rings

Ethylene Propylene, FEP encapsulated, Silicone, Viton®, Nitrile or Polypropylene felt available for non crush-fit end adaptors.

### **Maximum Differential Pressure**

Normal flow direction at:

 20°C (68°F):
 3.5 bar (50psi)

 60°C (140°F):
 1.0 bar (15psi)

 80°C (176°F):
 0.5 bar (7psi)

## **Operating Temperature**

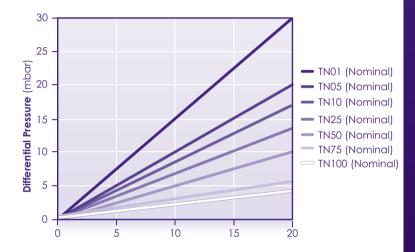
Maximum continuous: 80°C (176°F)

## Extractables

Minimum total extractables.

#### **Clean Water Flow Rates**

- Typical clean water flow rate:
   A 254mm (10") Tekfil™ single cartridge exhibits the flow-∆P characteristics indicated below, for solutions with a viscosity of 1 centipoise.
- Other solutions:
   For solutions with a viscosity of greater than
   1 centipoise, multiply the indicated differential pressure by the viscosity in centipoise.



PFG765/Rev4:Feb2023