

CP SDW Series

Composite Polypropylene String Wound Depth Filters



The CP SDW Series composite string wound filters feature a multi-layer structure with customized density gradients, enabling efficient removal of both fine and coarse particles. This tailored configuration enhances precision and performance, providing reliable high-efficiency filtration across diverse industrial applications.

DEPTH FILTER

Specifications

Construction Materials

| | |
|-------------------|---------------------------------------|
| Filtration Media | Polypropylene |
| Core Support | Polypropylene, SUS304 |
| Gaskets / O-rings | Silicone, TEV, Viton, EPDM, Foamed PE |

Dimensions

| | |
|----------------|------------------------|
| Length | 250, 500, 750, 1000 mm |
| Inner Diameter | 28, 30 mm |
| Outer Diameter | 62, 65 mm |
| Micron Rating | 0.5 - 100 µm (Nominal) |

Operating Conditions

| | |
|-----------------------|-----------------------|
| Differential Pressure | Max. 4.0 bar at 20 °C |
| Change-out ΔP | Max. 2.0 bar at 20 °C |
| Temperature | Max. 80 °C |

Features and Benefits

- Multi-layer gradient structure enhances precision
- Progressive filtration from coarse to fine particles
- Optimized flow rate and improved dirt retention
- High mechanical strength and durability
- Customizable layer design for target applications

Applications

- Chemical processing
- Water filtration
- Paint & ink
- Industrial wastewater
- Cooling systems
- General industry
- Petrochemical
- Plating process

Ordering Information

| CPSDW | MICRON | MEDIA | LENGTH | ID/OD | CORE | END STYLE | SEALS |
|-------|-------------|--------------------|--------------|------------|------------|--------------|--------------|
| | A05 : 0.5µm | P1 : Polypropylene | K10 : 250mm | 1 : Ø28/62 | B : PP | 1 : DOE | A : None |
| | 001 : 1µm | | K20 : 500mm | 2 : Ø30/62 | C : SUS304 | 2 : 222/FLAT | B : Silicone |
| | 005 : 5µm | | K30 : 750mm | 3 : Ø28/65 | | 3 : 222/FIN | C : TEV |
| | 010 : 10µm | | K40 : 1000mm | 4 : Ø30/65 | | 4 : 226/FLAT | D : Viton |
| | 025 : 25µm | | | | | 5 : 226/FIN | E : EPDM |
| | 050 : 50µm | | | | | | |
| | 075 : 75µm | | | | | | |
| | 100 : 100µm | | | | | | |