

# CT SDW Series

## Cotton String Wound Depth Filters

DEPTH FILTER



The CT SDW Series cotton string wound filters are made from high-strength natural cotton yarns, offering excellent adsorption and filtration stability. When combined with a stainless-steel core, they maintain performance under high-temperature conditions. They are ideal for hot liquids, oils, and solvents, providing durable filtration in chemical, petrochemical, and industrial applications.

### Specifications

#### Construction Materials

Filtration Media	Nature Cotton, Bleached Cotton
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. 120 °C

### Features and Benefits

- Natural cotton yarn for superior adsorption capability
- Compatible with stainless steel cores for high heat use
- Excellent strength under high-temperature conditions
- High efficiency in oil and solvent filtration
- Reliable performance in thermal process systems

### Applications

- Hot water
- Oil & solvent filtration
- Chemical plants
- Petrochemical
- Coatings
- Industrial fluids
- Power generation
- Steam prefiltration

### Ordering Information

SDW	MICRON	MEDIA	LENGTH	ID/OD	CORE	END STYLE	SEALS
	001 : 1µm	C4 : Nature Cotton	K10 : 250mm	1 : Ø28/62	B : PP	1 : DOE	A : None
	005 : 5µm	C5 : Bleached Cotton	K20 : 500mm	2 : Ø30/62	C : SUS304	2 : 222/FLAT	B : Silicone
	010 : 10µm		K30 : 750mm	3 : Ø28/65		3 : 222/FIN	C : TEV
	025 : 25µm		K40 : 1000mm	4 : Ø30/65		4 : 226/FLAT	D : Viton
	050 : 50µm					5 : 226/FIN	E : EPDM
	075 : 75µm						
	100 : 100µm						