

FLOWRITE



FLOWRITE
DEPTH
WOUND
FILTER
CARTRIDGES

Flowrite Depth Wound Filter Cartridges

Germ Africa manufactures a range of wound filter cartridges in South Africa. The Flowrite cartridges are an improved, conventionally wound filter cartridge manufactured on state-of-the-art precision winding machines.

Continuous length winding eliminates dead spots and bypass. The single strand, purpose-spun roving employs a strictly controlled material to produce a consistently high quality filter cartridge giving optimum flow and filtration performance.

Features

- Stainless steel, tinned steel or polypropylene core
- Polypropylene, cotton or polyester media
- Four different cartridge lengths (10" 20" 30" 40")
- Nine different micron ratings (01µ 05µ 10µ 20µ 30µ 50µ 75µ 100µ 125µ)
- Consistent reliable quality
- End caps available on request



Benefits

- Wide chemical compatibility
- Fits most housings
- Suitable ratings for most applications
- Consistent filtration performance

Applications

Flowrite wound filter cartridges are widely applicable on general purpose fluid filtration in many industries including:

Chemical | Ink & Paint | Food & Beverage | Petrochemical | Photographic | Plating | Electronics | Oil & Gas | Pharmaceutical

Outside diameter of the wound filter cartridges are standard size 2.5" (63mm) and jumbo size 4.15" (105mm).

Polypropylene Wound Media

Operating Parameters	
On Polypropylene Core	
Maximum operating temperature	60°C
Maximum differential pressure	350kPa
Maximum recommended change-out differential pressure	180kPa
On Stainless Steel or Tinned Steel core	
Maximum operating temperature	95°C
Maximum differential pressure	480kPa
Maximum recommended change-out differential pressure	180kPa

Performance

The table below gives the ambient water flow rate in l/min per single 10" cartridge based on a pressure drop of 7kPa. Higher pressure drops will result in higher flow rates, which should never exceed 38 lpm.

Micron Rating	Flow lpm	Micron Rating	Flow lpm
01	4	30	26
05	16	50	28
10	20	75	30
20	24	100/125	32

Cotton Wound Media

Operating Parameters	
On Polypropylene Core	
Maximum operating temperature	60°C
Maximum differential pressure	350kPa
Maximum recommended change-out differential pressure	180kPa
On Stainless Steel or Tinned Steel core	
Maximum operating temperature	121°C
Maximum differential pressure	480kPa
Maximum recommended change out differential pressure	180kPa

Performance

The table below gives the ambient water flow rate in l/min per single 10" cartridge based on a pressure drop of 7kPa. Higher pressure drops will result in higher flow rates, which should never exceed 38 lpm.

Micron Rating	Flow l/min	Micron Rating	Flow l/min
01	2	30	24
05	7	50	28
10	12	75	30
20	16	100/125	32

NB: Cotton media will swell in water giving lower flows and micron ratings.

Flowrite wound cartridge product code structure for ordering

