TWISTFLOW
NOMINAL WOUND FILTER

DUTCH FILTRATION

The TwistFlow Nominal String Wound Filter Cartridge has, due to the advanced technology used in the manufacturing process, an excellent multi-layer depth filtration. The String Wound Cartridge is very versatile and applicable in most filtration requirements. The unique string winding pattern provides true depth filtration, contamination absorption and flow capacity at a wide range of particle size contamination. The TwistFlow is the economical solution in pre filtration.

FEATURES

- Multi layers of fine Polypropylene string, precision pattern wound, provide both depth and high performance separation
- Large volume of contaminant volume absorption through the multiple separation layers
- Brought range of contamination particle size separation ability without plugging
- Full Thermal Bonded technology and 100% Polypropylene material providing chemical compability for most fluids, solvents and chemicals
- Very economical prefiltration cartridge
- Minimum pressure drop in medium and coarse pore size rating
- Detwisted yarn depth filter technology provides ≥20% higher dirt-holding capacity through an open, high-void structure with flexible pores enabling true depth filtration

APPLICATIONS

- Waste water
- Process water
- Coatings
- Chemical processing
- Completion fluids
- Produced water
- Pre filtration RO
- Condensate
- Work over fluids
- Gravel pack fluids
- Wellbore clean up fluids
- (Bio) diesel
- Surface water intake
- Frac fluids
- Pipeline flushing
- Lubricants / cooling fluids

Contact
Dutch Filtration BV
Vrijheidweg 61
1521 RP, Wormerveer
The Netherlands
+31 (0)75 201 40 00
info@dutchfiltration.com
www.dutchfiltration.com

SPECIFICATIONS NOMINAL WOUND FILTER CARTRIDGE

Design Specifications	DNW PP	DNWC Cotton	DNWGF Glassfibre	DNWPA Nylon	DNWR PPS
Micron rating	1 - 100 micron				
Beta ratio	Nominal rated				
Filter media	Polypropylene	Cotton	Glassfibre	Nylon	PPS
Core options	PP, SS304, SS316				
Connection options	Code 3, Code 8, DOE				
Cap material (Code 3 or 8)	Polypropylene				
Seal options	NBR, Viton, silicon, EPDM, PTFE				
Available lengths	10, 20, 30, 40, 50, 70 inch				
Outside diameter	2.5 inch (63mm), 1 to 4.5 inch (51 to 114 mm) on request				
Inside diameter, PP core	1.26 inch, (32mm)				
Inside diameter, SS core	1.16 inch, (29.5mm)				
Max. working temperature, capped	80°C (176°F)				
Max. working temperature, DOE + PP core	90°C (194°F)				
Max. working temperature, DOE + SS core	90°C (194°F)	120°C (248°F)	300°C (572°F)	140°C (284°F)	300°C (572°F)
Max. differential pressure at 25 °C	5.5 bar (80 psi)*				
Recommended differential pressure at 25 °C	3 bar (44 psi)*				
Max. recommended flow per 40 inch	6 m^3/h (26 GPM)				
Construction method	Thermally bonded end caps (no adhesive)				

* When filters are operated close to temperature limits, consult Dutch Filtration for safe values.

ORDERING CODE TWISTFLOW

Media	Micron rating	Length	Connection	Core	Seal
DNW= Polypropylene	Range 1 -100 micron	10 = 10 inch	3 = Code 3 / Flatcap/ 222	Standard is polypropylene = no code	Standard is NBR = no code
DNWC = Cotton		20 = 20 inch	DOE = Double open end	C4 = SS304	V = Viton (FKM)
DNWGF = Glassfibre		30 = 30 inch	8 = Code 8 Spearend / 222	C6 = SS316	S = Silicon
DNWPA = Nylon		39 = 39 inch	10 = springcap/222		E = EPDM
DNWR = PPS		40 = 40 inch	11 = springcap / open end		T = Teflon (PTFE)
		50 = 50 inch			
		70 = 70 inch			
Example: DNWGF10-40-3 is nominal wound glassfibre 10 micron, 40 inch code 3 flatcap /222, polypropylene core and NBR seal DNWPA20-40-8-C4-V is nominal wound nylon 20 micron, 40 inch, code 8 spearend /222, SS304 core, Viton seal					