

Pureflo™ String – Wound Filter Cartridge

- Superior particle removal efficiency
 - FDA compliant materials
 - Superior capacity for extended cartridge life
- * Wide range of removal ratings
 - * Advanced range of material compatibility

Applications

Electronic ~ Acid, Alkalies, Electroplating, Organic Solvents, Cleaning Solution

Industrial ~ Parts Washing, Process Water, Water Treatment, Feed Water

Food & Beverages ~ Edible Oil, Cocoa Butter, Palm Oil Bi-Products, Syrups, Soft Drinks, Beer & Spirits

Petrochemicals ~ Resins, Organic Chemicals

Oil & Gas ~ Lube Oil, Glycols, Amines, Condensate & Etc

Pureflo™ String-Wound Filter Cartridges are manufactured with precision winding of polypropylene or Cotton yarn wound onto polypropylene, 304 stainless steel or tinned steel cores. The cartridges can be used (in one combination of materials or another) in most areas where chemical compatibility is of concern. The construction of **Pureflo™** String-Wound Filter Cartridges are manufactured with an interlocking weave (diagonally wound) which provides efficient and cost effective filter cartridges. The superior performance is a result of the advanced winding pattern combined with our rigidly controlled process of specifically manufactured polypropylene or cotton yarn to produce a quality cartridge with consistent filtration characteristics.

Pureflo™ wound depth cartridges offer a gradual pressure increase over cartridge life versus surface media that have an abrupt flow cut-off when loaded. The natural gradual porosity formation due to the larger particles are trapped at the surface of the cartridges and build up a pre-cake, whilst the smaller particles are trapped within the cartridges filter as they go down the 'tortuous path' created by the wound pattern which varies with each micron rating, provides the cartridge with a superior capacity thus resulting in a extended cartridge life against ordinary wound filter cartridges.

Pureflo™ filters are available in 'one-piece' construction in 1016 sizes between 250-1016mm and can be supplied to suit both 247mm (9 3/4") and nominal 250mm (10") imported cartridge housings. The one-piece construction removes the problem of by-pass which occurs when stacking 250mm long elements into vessels using spacers for sealing between each one. It also dramatically reduces down time and labour costs and in many cases, reduces potential health risks through operators having to lean over vessels that may contain liquid and gases.

Our Tin-steel & Stainless Steel Spiral Core are manufactured in "one-piece" construction. The construction of the spiral core is stronger than the normal welded core as it is more durable and has higher capability to hold the yarn rigidly. The design of the spiral cores are also manufactured lighter compared to the welded types.

Features

- * Manufacture on precision winding to a diagonal, interlocking weave on a continuous wind pattern
- * 'One-Piece' construction from 9 3/4" to 40"
- * Cotton & PP media (FDA Compliance) with different types of cores
- * Wide variety of end fittings

Benefits

- Provides consistent and superior filtration efficiency
- Eliminates by-pass and ease of installation and to remove
- Applicable to wide range of process liquid and gases, where chemical compatibility is a concern
- Fits most industrial filter housings

Cartridge Selection

We can substitute **Pureflo™** cartridges for any existing cartridges which you may be currently purchasing or use our in-house expertise to ensure proper design and compatibility for each application. Our wide variety of end fittings makes the **Pureflo™** cartridges easily fitted into various types of filter housings.

Packaging

Cartridges are individually packed into poly bag. The cartridges are then packed into cardboard cartons. 120mm (4.75"), 60 cartridges per carton. 254mm (10"), 30 cartridges per carton. All other lengths (20", 30" & 40") comes in 15 cartridges per carton



POLYPROPYLENE STRING WOUND CARTRIDGES



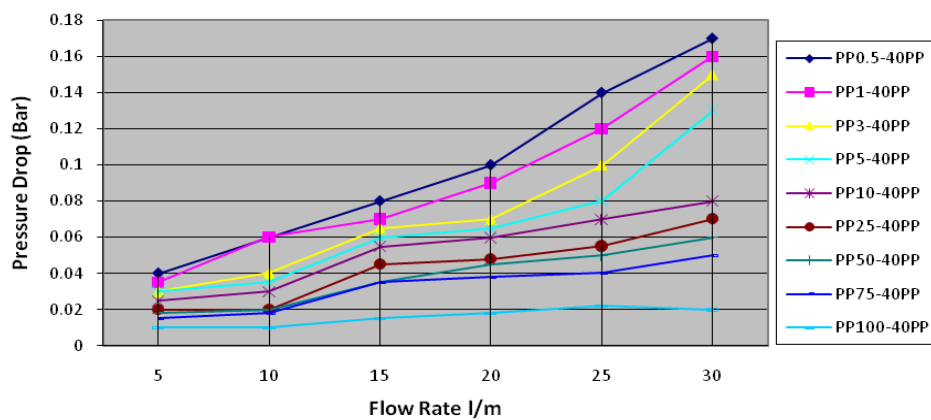
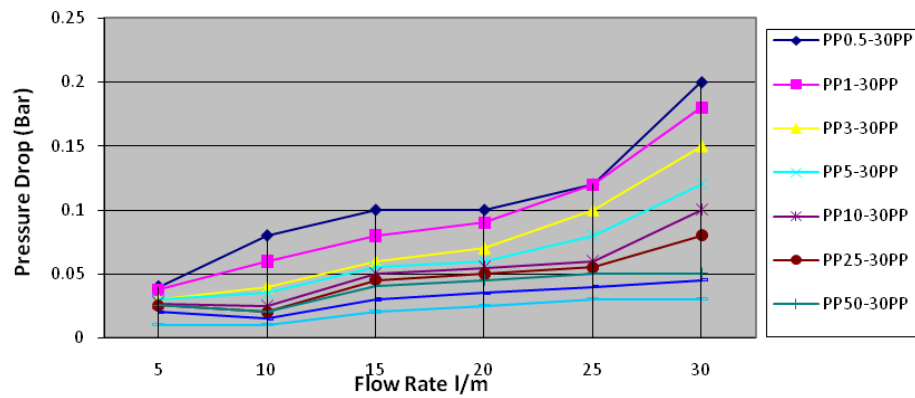
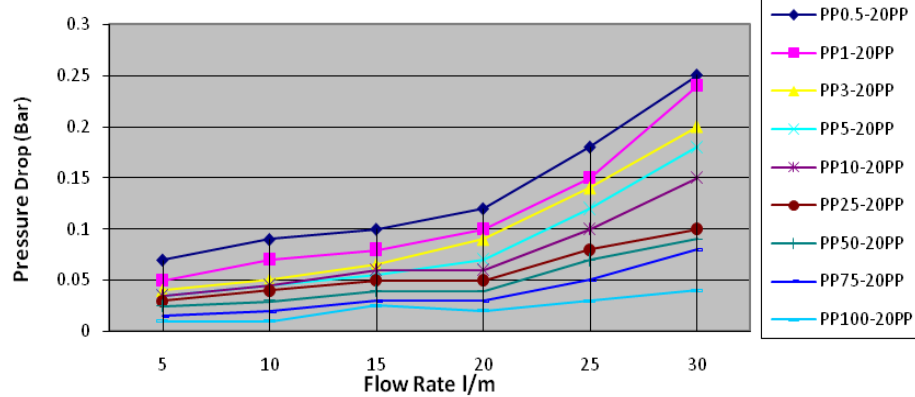
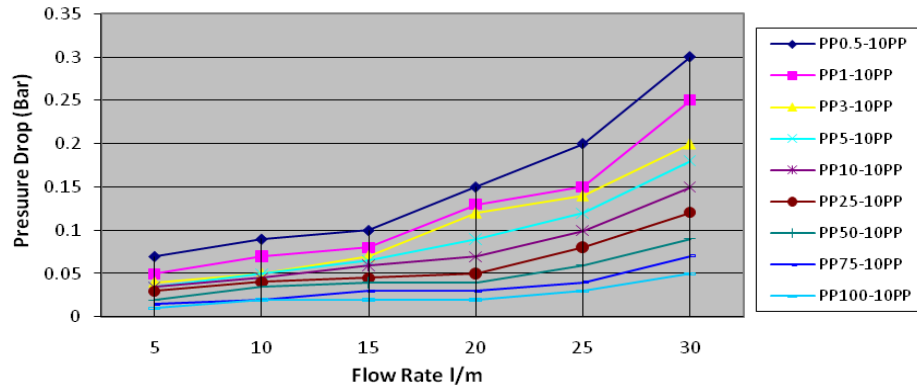
- Superior particle removal efficiency
- Manufactured from materials which are formulated from ingredients having FDA approval
- Internationally recognized and accepted micron rating : 0.2, 0.5, 1, 3, 5, 10, 20, 25, 30, 50, 75, 100 & 200 micron
- Length available : 5", 10", 20", 30" & 40". Other lengths on request only
- Advanced range of material compatibility
- Superior capacity for extended cartridge life
- Wound with Polypropylene (PP), Tinned Steel (TS) and Stainless Steel Core

Product Specification

			
Product Code	PP-PP	PP-TS	PP-SS
Material	FDA Polypropylene	FDA Polypropylene	FDA Polypropylene
Type	Double Open End (DOE)	Double Open End (DOE)	Double Open End (DOE)
Core	Polypropylene	Tinned Steel	304 Stainless Steel
Inner Diameter	27.8mm, also available in 30mm	27.8mm	27.8mm
Outer Diameter	62-63mm	62-63mm	62-63mm
Maximum temperature	75-80°C	93°C	93°C
Maximum pressure	115 psi	115 psi	115 psi
			
Product Code	DF	PP – SOE 222 'O' Ring	PP – SOE 226 'O' Ring + Fin
Material	FDA Polypropylene	FDA Polypropylene	FDA Polypropylene
Type	Single Open End (SOE)	Single Open End (SOE)	Single Open End (SOE)
Core	Polypropylene	Polypropylene	Polypropylene
Caps / Fin	Nil	Polypropylene	Polypropylene
'O' Ring	Nil	PVC	PVC
Inner Diameter	27.8mm	27.8mm	27.8mm
Outer Diameter	62-63mm	62-63mm	62-63mm
Maximum temperature	75-80°C	75-80°C	75-80°C
Maximum pressure	115 psi	115 psi	115 psi

FDA LISTED MATERIALS

The materials used for above products are suitable for food applications and are formulated from ingredients having FDA approval. FDA Compliance : 21 CFR 177.1520, 21 CFR 177.2800



PP String Wound Cartridges



Product Code / Ordering Information :

PP ■ - ▲ ● □ / DF ■ - ▲ ● □ (E.g : PP5-20PP SOE / DF1-10PP)

Code ■	Filter Grades	Code ▲	Cartridges Lengths	Code ●	Core Type	Code □	End Configurations
0.5	0.5µm	9.875	9.875"	PP	Polypropylene	Blank	Double Open End (DOE)
1	1µm	10	10"	TS	Tinned Steel	SOE3x	222 'O' Ring & SOE flat cap
3	3µm	19.5	19.5"	SS	Stainless Steel	SOE7x	226 'O' Ring & Spear
5	5µm	20	20"			SOE8x	222 'O' Ring & Spear
10	10µm	29.25	29.25"				
20	20µm	29.5	29.5"				
25	25µm	29.75	29.75"				
30	30µm	30	30"				
50	50µm	39	39"				
75	75µm	40	40"				
100	100µm						



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