LFS Liquid Filtration Systems

FILTERCARTRIDGES

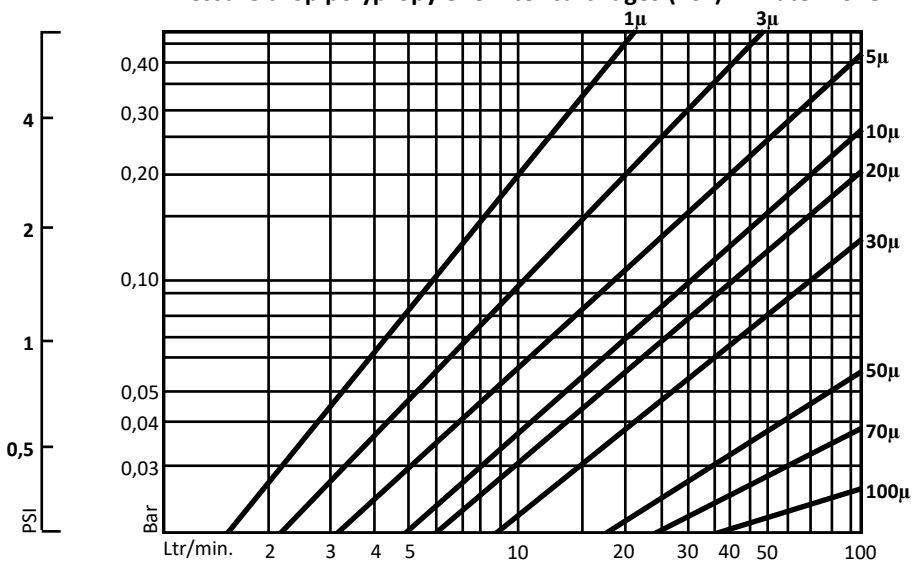
Wound

The LFS wound filter cartridges have been developed on the basis op extensive experience in filtration. Filter cartridges of excellent quality and available for a reasonable price due to the fact that they are produced by means of fast advanced production machines. The diamond shaped openings become smaller towards the core and guarantee a high impurity absorption (depth f iltration) and a long lifetime. The yarn can be made of various materials, such as polypropylene, cotton, polyester or nylon. The core materials available are polypropylene, stainless steel and tinned steel. The micron ratings can vary between 0,5µ and 150µ. Other filter elements such as pleated stainless steel, paper or polyester can likewise be supplied. In addition there is an extensive range of filter housings in polypropylene, PVDF and stainless steel, including hygienic housings.

Ordering code: 10MP20F

- **Cartridge length** (inches)
- **Filter material**
  - M = Polypropylene
  - PE = Polyester
  - C = Bleached cotton
  - N = Nylon
  - R = PPS
- **Core**
  - M = Polypropylene
  - X = Stainless steel
  - S = Tinned steel
- **Micron rating**
- F = unwashed PP
  Blank = washed PP

Pressure drop polypropylene filter cartridges (10”) in water 20°C



To calculate the pressure drop in other than water.
Multiply the pressure drop in water by the specific gravity of the liquid.

Specifications

Materials	
Filter material	Polypropylene
	Polyester
	Bleached cotton
	Nylon
	PPS (Ryton®)
Core	Polypropylene
	Stainless steel
	Tinned steel
Dimensions	
Outside diameter	60 to 110 mm
Inside diameter	27 mm
Length	9¾” to 60”
Other	
Selectivity	0,5 to 150 µ
Connection	DOE
	C2, C3, C7, C8
Max. differential pressure	2,5 bar
Max. temperature (PP)	80°C
Flow rate @ 10” 10µ	1 m^3/hr

For Clear Solutions

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LFS Liquid Filtration Systems

FILTER ELEMENTS

PPS Wound

New at LFS

PPS (Ryton®) precision wound filter element on stainless steel core.

PPS is used in high temperature applications and has a broad chemical compatibility. These precision wound elements bring about an excellent high dirt holding capacity used in industries such as power stations, chemical plants and oil & gas.

Ordering code: 10RX20

Cartridge length (inches) — **Micron rating**

Filter material — **Core**

R = PPS — X = Stainless steel

Material	PPS	Glass fibre	Cotton	PP
Potable liquids, water	++	o	++	++
Organic solvents	++	++	++	+
Oils	++	++	++	o
Organic acids	++	++	+	++
Alkalis	++	-	+	++
Steam, non-continuous	o	x	x	o
Strong inorganic acids	++	++	x	++
Dilute inorganic acids	++	++	o	++
Microorganism resistane	++	++	-	++
temperature	195 °C	400 °C	120 °C	80 °C

Poor = - Fair = o Good = + Excellent = ++ Not recommended = x

Specifications

Materials	
Filter material	PPS
Core	Stainless steel
Dimensions	
Outside diameter	60 to 110 mm
Inside diameter	27 mm
Length	9¾” to 60”
Other	
Selectivity	0,5 to 150 µ
Connection	DOE
Max. differential pressure	2,5 bar
Max. Temperature (PP)	195°C
Flow rate @ 10” 10µ	1 m^3/hr

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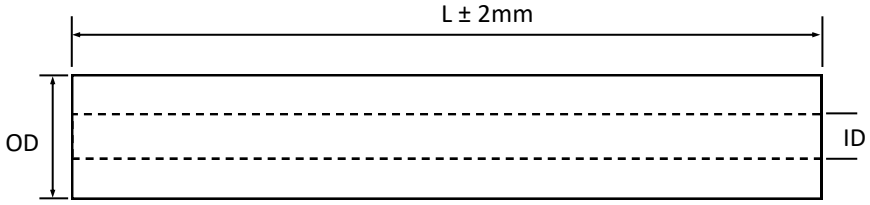
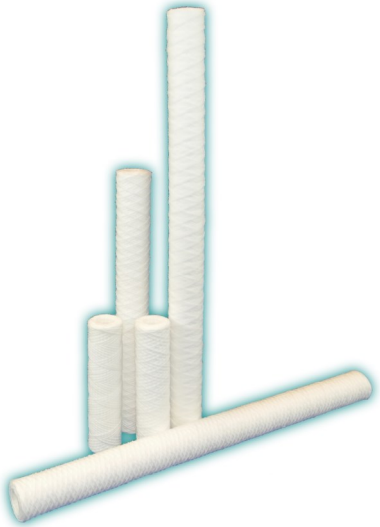
FILTERCARTRIDGES

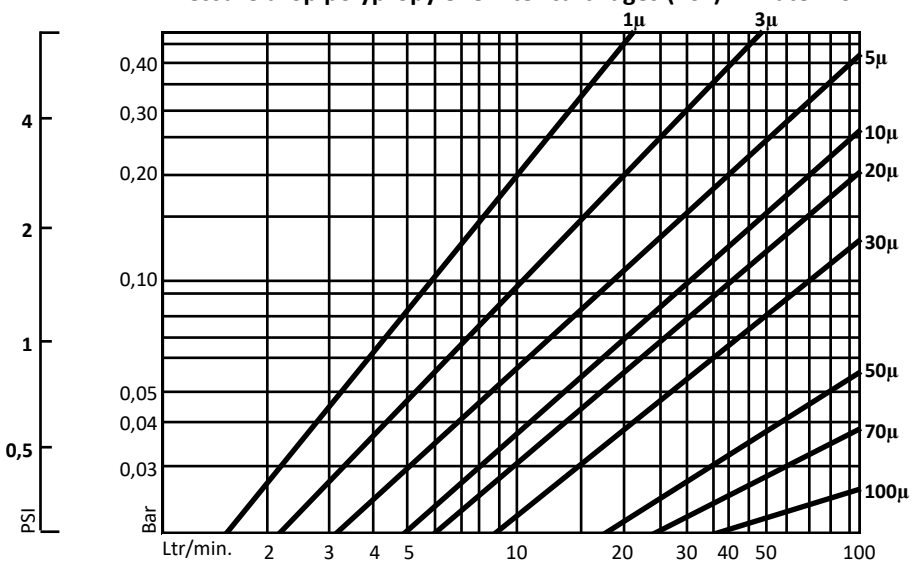
Wound Nylon





Inches	L ± 2mm	OD ± 2mm	ID
10	254	61	27
20	508	61	27
30	762	61	27
40	1016	61	27

Pressure drop polypropylene filter cartridges (10”) in water 20°



To calculate the pressure drop in other than water, multiply the pressure drop in water by the specific gravity of the liquid.

Specifications	
Materials	
Filter material	Nylon
Core (temperature °C)	Polypropylene (90)
	Stainless steel (120)
	Tinned steel (120)
Dimensions	
Outside diameter	60 to 110 mm
Inside diameter	27 mm
Length	10” to 60”
Other	
Selectivity	0,5 to 150 µ
Connection	Doe
	Code 2/3/7/8
Max differential pressure	2,5 bar
Max. temperature	120°C
Flow rate @ 10” 10µ	1 m³/hr

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