

FILTER ELEMENTS LD DEPTH, CORELESS

DESCRIPTION

The **LD (Large Diameter) filter elements** are designed to handle high flow rates economically and ecologically. The absence of an internal support reduces the waste volume of the spent product, facilitating disposal. The large diameter allows for managing high flow rates with low-pressure drops while ensuring high dirt-holding capacity.

The **LD elements** are available in 100% polypropylene or nylon, ensuring compatibility with most process fluids. Their construction requires no additives or adhesives, guaranteeing very low extractable levels and making them suitable for use in the food industry. In fact, the polypropylene used for manufacturing is FDA-approved and complies with current European regulations for food contact use.



FEATURES AND BENEFITS

- Direct retrofit for coreless elements from other manufacturers, with no modifications required to housings.
- Nominal removal ratings from 1 μm to 100 μm .
- High flow rates, low-pressure drops, and reduced installation space.
- High dirt-holding capacity and long service life thanks to the graded porosity structure.
- Construction from 100% pure polypropylene or nylon.
- Thermally bonded structure, free from adhesives and additives, ensuring low extractables.

TECHNICAL SPECIFICATIONS

| | |
|----------------|-------------|
| Media Material | PP o Nylon |
| Outer Diameter | 6" (152 mm) |
| Inner Diameter | 114 mm |
| Length | 20" o 40" |

- Compliant with FDA 21 CFR177 regulations for use in the food industry.

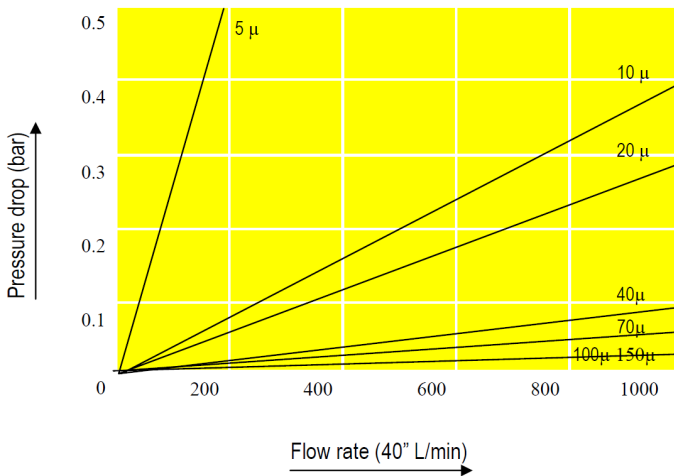
OPERATING CONDITIONS

| | PP | Nylon |
|--------------------------------------|-------|-------|
| DP recommended for replacement @20°C | 2 bar | 2 bar |
| Max DP @20°C | 4 bar | 4 bar |
| Max DP @80°C | 1 bar | 2 bar |
| Max operating temperature | 80°C | 135°C |

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FLOW RATES AND PRESSURE LOSSES

Cartridge Flow Rates



FILTER ELEMENT CODING

| Filter Element | Removal Efficiency | Length | Material | Seals |
|----------------|--------------------|----------|---|---------------------------|
| LD | 01 = 1 µm | 20 = 20" | PP = Polypropylene NY = Nylon | N = DOE senza guarnizioni |
| | 05 = 5 µm | 40 = 40" | | |
| | 10 = 10 µm | | A = DOE senza guarnizioni, con supporto | |
| | 20 = 20 µm | | | |
| | 40 = 40 µm | | | |
| | 70 = 70 µm | | AE = DOE con guarnizioni in PE e supporto | |
| | 99 = 100 µm | | | |

ORDERING INFORMATION

For orders: perdomini-ioc.com