

CARTRIDGES

ULTRA PORE series FD

synthetic construction

The element is designed for the filtration of mineral oils, synthetic oils, fuels and other fluid with viscosity up to 250 Cst . The one piece construction provides an all synthetic construction which enables easy disposability for environment benefits

CONSTRUCTION MATERIAL

- Media : Fibre glass/Polyester
- End caps : NYLON
- Gaskets : O-ring Buna-n - Viton optional
- Core : None in standard construction;
Polypropylene on request
- Outer support : Polyester non-woven

TECHNICAL FEATURES

- Flow direction : Outside to inside.
- Change-out : 0.7 - 1.6 bar (Differ.pressure)
- Max Oper. Temp. : 130°C
- Absolute Removal Eff. : @ 4-5-7-12-22-32 µm(c)
- Collapse strength : 10 bar Std.with internal metal core welded to the vessel.
(FILTERS' s fabricated)

ELEMENT ADVANTAGES

- High contaminant capacity due to the multi-layer medium, which presents a decreasing pore size in filtration.
- Radial seal assures no particle migration problems also in presence of irregular pressures in the system.
- Stiffened block construction for strength and rigidity.
- All synthetic construction. No metal parts.
- Lighter weight- lower disposal cost.



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C.so Vinzaglio, 12 bis

PRODUCTION FACILITIES:
-Via Circonvallazione, 28 - 10060 BURIASCO (TO)
-S.Statale 23 Km 28.5 Fraz. Viotto - 10060 Scalenghe (TO)
-Regione Botteghe, 28 - 10060 Scalenghe

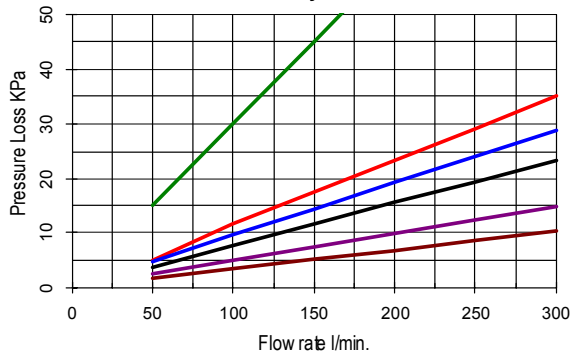
WEB ADDRESS:
URL: <http://www.filters.it>
e-mail: sales@filters.it



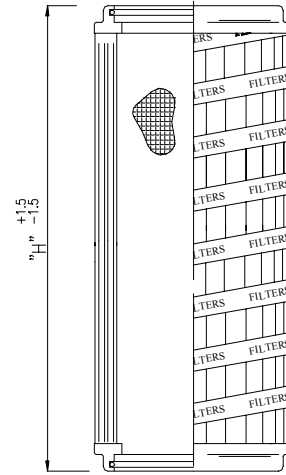
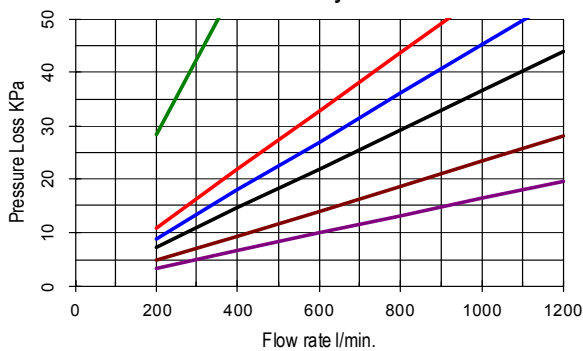
AVAILABLE DIMENSIONS & PRESSURE LOSS

Model	OD mm	Available Height mm
FD2	102.5	250-350-500
FD5	142	430-500-800-1000

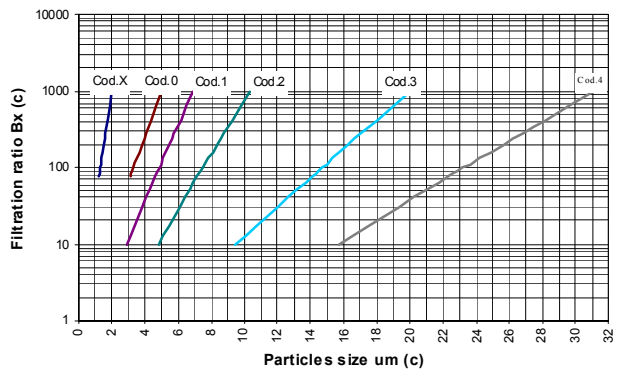
Cartridge FD2 05 (H=350)
Fluid Viscosity 30 cSt.



Cartridge FD5 08 (H=500)
Fluid Viscosity 30 cSt.



Filtration ratio Vs. particle size Acc. ISO 16889



Formula used to calculate Δp
changing oil viscosity and
specific weight

" Δp_B " = Δp actual
" Δp_A " = Δp read on graph
" v_B " = Actual viscosity in cSt
" sw_b " = actual specific weight

$$\Delta p_B = \Delta p_A \times \frac{v_B}{30} \times \frac{sw_b}{0,9}$$

ORDERING CODE

FD

Cartridge Model	Height "H"	Execution	Filtr. Degree μm			Oring Material
FD2 FD5			β values as per ISO 16889	β values as per ISO 4572	Code	
	250 03	Without Core W	$\beta_4 \mu m(c) > 1000$	$\beta_1 > 200$	X	Viton V
	350 05	With Core C	$\beta_5 \mu m(c) > 1000$	$\beta_3 > 200$	0	Nitrile N
	430 14		$\beta_7 \mu m(c) > 1000$	$\beta_6 > 200$	1	
	500 08		$\beta_{12} \mu m(c) > 1000$	$\beta_{12} > 200$	2	
	800 17		$\beta_{22} \mu m(c) > 1000$	$\beta_{25} > 200$	3	
	1000 18		$\beta_{32} \mu m(c) > 1000$	$\beta_{40} > 200$	4	
	1200 20					

