

PLEATFLOW II

High Dirt Capacity Pleated Depth Filters

Absolute rating from 1 to 70 microns

Wide range of chemical compatibility

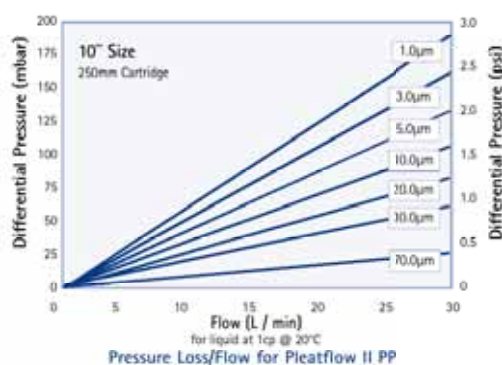
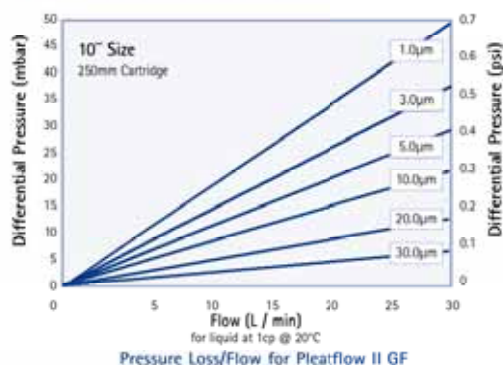
Available in 10" to 40" formats



Product Information

PLEATFLOW II: high dirt capacity, pleated depth filters PLEATFLOW II is an absolute rated filter cartridge employing either glassfibre or FDA polypropylene filter media, thermally bonded into rugged FDA polypropylene hardware and offers unsurpassed chemical compatibility and performance. Pleatpack optimisation ensures higher throughputs, low pressure loss, high dirt capacity, long on stream life and lower filtration costs. Thermal bonding of the assembly not only guarantees the cartridge integrity but also benefits users by eliminating the need for glues or adhesives, thus minimizing levels of extractables and broadening the range of chemical compatibility. PLEATFLOW II can be employed in applications such as pharmaceutical preparations and concentrated acids. They are generally employed in the clarification and prefiltration of liquids but can also be used in gasses. Whether the application is new or existing, domnick hunter can offer expert technical and laboratory support to optimize the filtration process. PLEATFLOW II are manufactured to exacting quality standards in absolute ratings from 1 to 70 microns, lengths up to 40" and with a variety of end fittings to suit most industrial housings.

Cartridge Flow Rates



Materials of Construction

Filtration Media	:	Polypropylene Glass Fibre
Glass Support	:	Polycster
Polypropylene Support	:	Polypropylene
Inner Support Core	:	Polypropylene
Outer Protection Cage	:	Polypropylene
End Caps	:	Polypropylene
Endcap Insert	:	Stainless Steel and Polyethersulphone
Standard 'O'rings/gaskets	:	Nitrile EPDM Silicone Viton

Food and Biological Safety

Materials conform to the relevant requirements of 21 CFR Part 177.

Effective Filtration Area

Polypropylene: Up to 0.55m² (5.2ft²) per 250mm (10" module)

Glass Fibre: Up to 0.48m² (5.2ft²) per 250mm (10" module)

Applications

Liquid clarification, RO/DI prefiltration, general water filtration, re-circulating liquids, reagent grade chemicals, beverage and wine clarification, make up and wash waters, membrane pre-filtration, edible oils, acids, alkalies, solvents.

Technical Specification

Materials of construction:

Filter Media	:	FDA approved Glass Fibre or Polypropylene
Drain Layers	:	FDA approved Polyester and Polypropylene
Hardware	:	FDA approved Polypropylene

Filter efficiency 99.5% in liquids as established by standard OSU-F2 particle test using AC fine/coarse test dust.

Recommended Operating Conditions

Max Temperature	:	85°C (60°C continuous)
Max Differential Pressure	:	5.5bar @24°C (75°F)
Recommended Changeout Pressure	:	2.5 bar DP

Selection

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Code	Material	Code	Insert Style	Code	End Fitting	Code	Nominal Length (mm) (inch)			Code	Micron Rating	Code	Gasket Material	Code	Gasket Thickness (DOE only) (mm) (inch)	
2G	Glass Fibre	1	Standard	1	DOE	10	251	9.95	010	1	0	Nitrile	1	5.08	0.200	
2P	Polypropylene	5	Encapsulated	2	Flat / 226	20	508	20	030	3	1	EPDM	2	3.18	0.125	
			Stainless Steel	3	Flat / 222	30	762	30	050	5	2	Silicone				
		6	Encapsulated	6	Flat / 118 / 020	40	1016	40	100	10	4	Viton				
			Polysulphone	7	Fin / 226	Standard diameter 2.7" (68mm)			200	20						
				8	Fin / 222				500	50						
				H	213				700*	70						

* PP only

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domnick hunter limited has a continuous policy of product development and although the Company reserves the right to change specification, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a products suitability for specific applications. All products are sold subject to the company's Standard conditions of sale.

HyXo Oy
P.O. Box 16 (Palokorvenkatu 2)
FI-04261 Kerava, Finland
Tel. +358 10 417 4500
Fax +358 10 417 4501
hyxo@hyxo.fi • www.hyxo.com



Orgreave Lane, Handsworth
Sheffield, S13 9NZ
Tel: +44 (0) 114 269 3999
Telefax: +44 (0) 114 269 1409
E.mail: technologies@domnickhunter.com

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