

## PureFlo® Filtration Discs

PureFlo® Membrane Discs can be used for simple, quick, and efficient filtration of fluids and gases used in laboratory, pilot, and small-scale applications. These discs can be used for clarification of acids, bases and solvents. The same membrane is used in the larger PureFlo® family of filters to allow for consistent scale-up of the product.

PureFlo® Membrane Discs are available in a variety of different materials and diameter sizes to meet your applications and test equipment requirements. They are available in pore sizes ranging from 0.05um to 200um.

### Materials of Construction

Media Options: Nylon, Nylon Screen Polyethylene, PES, Polypropylene Membrane, Polypropylene Media, and Hydrophilic and phobic PTFE bonded on to Polypropylene support

### Operating Conditions

Max. Differential Pressure: 30 psid (2 bar)  
 Maximum Operating Pressure Liquid:  
 60 psig @ 77° F (4 Bar @ 25° C)  
 Maximum Operating Pressure Gas:  
 30 psig @ 77° F (2 Bar @ 25° C)  
 Maximum Operating Temperature: 60° C



Available Diameters (mm) - 13, 25, 47, 90, 142

### Regulatory Compliance

The discs are manufactured from materials that conform to the requirements of 21CFR Part 177 of the U.S. Code of Federal Regulations. Nylon PES, PTFE, and PP Membrane are also in compliance with the USP Class VI Biological Test for Plastics.

### PureFlo Membrane Discs Ordering Guide

Filter Media	Filter Diameter (mm)	Pore Sizes (Micron)											Quantity (per pack)	
		Cellulose Acetate (A)	Charged Nylon (CN)	Depth PP* (DP)	Polyethylene (UE)	PTFE (Hydrophobic) (F)	Polypro Membrane (M)	Nylon (N)	Nylon Screen* (NS)	Polypro Media* (P)	PTFE (Hydrophilic) (HF)	PES (S)		Polyester Screen (TS)
A = Cellulose Acetate	013 = 13	020 = 0.20	005 = 0.05	002 = 0.2	005 = 0.05	010 = 0.10	010 = 0.1	005 = 0.05	100 = 10	003 = 0.3	020 = 0.20	005 = 0.05	200 = 20	25
CN = Charged Nylon	025 = 25*	045 = 0.45	010 = 0.10	005 = 0.5	010 = 0.1	020 = 0.20	020 = 0.2	010 = 0.10	200 = 20	006 = 0.6	045 = 0.45	010 = 0.10	300 = 30	50
DP = Depth PP	047 = 47	065 = 0.65	020 = 0.20	010 = 1.0	020 = 0.20	045 = 0.45	045 = 0.45	020 = 0.20	400 = 40	010 = 1.0	100 = 1.0	020 = 0.20	400 = 40	
E = Polyethylene	090 = 90	080 = 0.80	045 = 0.45	015 = 1.5	045 = 0.45	100 = 1.0	100 = 1.0	045 = 0.45	600 = 60	030 = 3.0	300 = 3.0	045 = 0.45	600 = 60	
F = PTFE (Hydrophobic)	142 = 142	120 = 1.20	065 = 0.65	025 = 2.5	100 = 1.0	300 = 3.0	300 = 3.0	065 = 0.65	10X = 100	050 = 5.0	500 = 5.0	065 = 0.65	730 = 73	
M = PP Membrane			080 = 0.80	045 = 4.5		500 = 5.0	500 = 5.0	080 = 0.80	20X = 200	070 = 7.0		080 = 0.80		
N = Nylon			120 = 1.20	100 = 10		999 = 10	999 = 10	120 = 1.20		100 = 10.0		120 = 1.20		
NS = Nylon Screen				200 = 20						200 = 20.0				
P = PP Media										300 = 3.00				
HF = PTFE (Hydrophilic)										400 = 40.0				
S = PES										500 = 50.0				
TS = Polyester Screen										700 = 70.0				
										10X = 100				
										15X = 150				

Example - A pack of 25 discs, 47mm, 1.0 Micron Nylon Membrane Disc is **N-047-100-25**

\*Note: All PP Media, Depth PP and Nylon Screen only sold in packs of 25, and 25mm disks only sold in packs of 25

