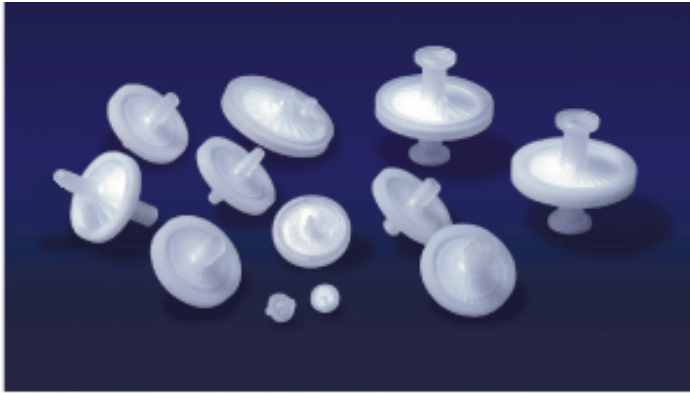


PureFlo® Encapsulated Disc Filter



PureFlo® Encapsulated Disc Filters have been designed for simple, quick, and efficient filtration of fluids and gases used in laboratory, pilot, and small scale applications. The small compact design of the filter disc minimized hold-up volume and exposure to hazardous chemicals. No adhesives, binders, or surfactants are used in the manufacturing process. The Encapsulated Disc Filters thermally welded to ensure integrity. The Disc Filters are available in 13mm, 25mm, 40 mm, 50mm, 65mm & 90 mm diameters.

| Applications | |
|-------------------|---------------------|
| Low Flow | Ink Jets |
| Lab Scale Testing | Beverages |
| Biobags | Pharmaceuticals |
| Fine Chemicals | Biologics |
| Vent Filter | Scale Up Processing |
| Water | Small Volume |

Materials of Construction

Membrane: Polyethersulfone (PES), Polypropylene (PP), Hydrophobic PTFE, Hydrophilic PTFE, Nylon, Charged Nylon, Cellulose Acetate, Polyethylene

Other Media: Borosilicate Microfiber Polypropylene, Non-Woven Nylon, Woven Nylon,

Supports: Polypropylene

Capsule Body: Polypropylene

Fitting Connections: Compression, Hose Barb, Luer Lock, MNPT, FNPT, Tri clamp, and Quick Couplings

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

Effective Filtration Area

13mm - 0.1247in² (0.8cm²)

25mm - 0.7in² (4.6cm²)

40mm - 1.7 in² (10.7 cm²)

50mm - 2.5in² (15.9cm²)

65mm - 4.0in² (26cm²)

90mm - 9.3 in² (60 cm²)

Regulatory Compliance

Manufactured from materials that conform to the requirements of 21CFR Part 177 of the U.S. Code of Federal Regulations. PES, and Glass Fiber also comply with the USP Class VI Biological test for Plastics.

PureFlo® Encapsulated Disc Filter

| Cellulose Acetate (A) | Charged Nylon (CN) | PTFE (Phobic) (F) | PTFE (Philic) (HF) | High Performance PP Media (HP) | Polypro Membrane (M) | Nylon (N) |
|------------------------|--------------------|--------------------|-----------------------------|--------------------------------|-----------------------|-------------------|
| 020 = 0.2 | 005 = 0.05 | 010 = 0.1 | 020 = 0.2 | 001 = 0.1 | 001 = 0.1 | 005 = 0.05 |
| 045 = 0.45 | 010 = 0.1 | 020 = 0.2 | 045 = 0.45 | 002 = 0.2 | 002 = 0.2 | 010 = 0.1 |
| 0.65 = 0.65 | 020 = 0.2 | 045 = 0.45 | 100 = 1.0 | 003 = 0.3 | | 020 = 0.2 |
| 080 = 0.8 | 045 = 0.45 | 100 = 1.0 | 300 = 3.0 | 006 = 0.6 | | 045 = 0.45 |
| 120 = 1.2 | 065 = 0.65 | 300 = 3.0 | 500 = 5.0 | 010 = 1.0 | | 065 = 0.65 |
| | 080 = 0.8 | 500 = 5.0 | | 030 = 3.0 | | 080 = 0.8 |
| | 120 = 1.2 | 999 = 10.0 | | 050 = 5.0 | | 120 = 1.2 |
| | | | | 100 = 10.0 | | |
| | | | | | | |
| Nylon (Non-Woven) (NN) | Nylon Screen (NS) | Polypro Media (P) | Polypro Screen (PS) | PES (S) | Polyester Screen (TS) | Polyethylene (UE) |
| 010 = 1 | 070 = 7 | 003 = 0.3 | 15X = 150 | 005 = 0.05 | 050 = 5 | 010 = 0.1 |
| 030 = 3 | 100 = 10 | 006 = 0.6 | 25X = 250 | 010 = 0.1 | 070 = 7 | 020 = 0.2 |
| 050 = 5 | 200 = 20 | 010 = 1.0 | 50X = 500 | 020 = 0.2 | 100 = 10 | 045 = 0.45 |
| 100 = 10 | 400 = 40 | 030 = 3.0 | | 045 = 0.45 | 200 = 20 | 100 = 1.0 |
| 200 = 20 | 600 = 60 | 050 = 5.0 | | 065 = 0.65 | 300 = 30 | |
| 400 = 40 | 10X = 100 | 070 = 7.0 | | 080 = 0.8 | 400 = 40 | |
| | 20X = 200 | 100 = 10.0 | | 120 = 1.2 | 550 = 50 | |
| | 25X = 250 | 200 = 20.0 | | | 730 = 73 | |
| | 30X = 300 | 300 = 30.0 | | | | |
| | | 400 = 40.0 | | | | |
| | | 500 = 50.0 | | | | |
| | | 700 = 70.0 | | | | |
| | | 10X = 100 | | | | |
| | | 15X = 150 | | | | |
| | | | | | | |
| Depth PP (DP) | Glass Fiber (G) | Natural Glass (NG) | Stainless Steel Screen (SS) | | | |
| 002 = 0.2 | U = ULPA | 005 = 0.5 | 180 = 18 | | | |
| 005 = 0.5 | H = HEPA | 010 = 1.0 | 200 = 20 | | | |
| 010 = 1.0 | 002 = 0.2 | 030 = 3.0 | 250 = 25 | | | |
| 015 = 1.5 | 004 = 0.45 | 050 = 5.0 | 370 = 37 | | | |
| 025 = 2.5 | 010 = 1.0 | | 460 = 46 | | | |
| 045 = 4.5 | 030 = 3.0 | | 530 = 53 | | | |
| 100 = 10 | 050 = 5.0 | | 610 = 61 | | | |
| 300 = 30 | 100 = 10.0 | | 740 = 74 | | | |
| | 200 = 20.0 | | 10X = 105 | | | |
| | 300 = 30.0 | | 15X = 150 | | | |
| | | | 20X = 200 | | | |
| | | | 25X = 250 | | | |

| | |
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| <p>Your Local Distributor:</p> <p>PHARMBIOLOGIC SOLUTIONS</p> <p>P*317-415-0179 F*317-536-3937</p> | <p style="text-align: center;">Please Visit Us At:</p> <p style="text-align: center;">www.pharmbiologicsolutions.com info@pharmbiologicsolutions.com P*317-415-0179 F*317-536-3937</p> <p style="text-align: center;">ZenPure and PureFlo are registered trademarks of ZenPure Corporation or an affiliated company. Copyright 2008 ZenPure or an affiliated company. All rights reserved.</p> |
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PureFlo® Encapsulated Disc Filter

| Disc Size | Filter Media | Pore Size | Inlet Fitting | Outlet Fitting | Options |
|-------------------|--------------------------------|---------------------|--|--|---|
| D13R = 13 mm Disc | A = Cellulose Acetate | See Chart on Page 3 | AH = 3/32" Hose Barb | AH = 3/32" Hose Barb | Packaging |
| D25C = 25 mm Disc | CN = Charged Nylon | | 1H = 1/8" Hose Barb | 1H = 1/8" Hose Barb | Blank = Bulk Packaged |
| D40C = 40 mm Disc | F = Hydrophobic PTFE | | 1N = 1/8" NPTM | 1N = 1/8" NPTM | - 1 = Single Bagged |
| D50C = 50 mm Disc | G = Glass Fiber | | 1NF = 1/8" FNPT | 1NF = 1/8" FNPT | Pharma Grade |
| D65R = 65 mm Disc | HF = Hydrophilic PTFE | | 1Q = 1/8" Male Quick Coupling | 1Q = 1/8" Male Quick Coupling | -PH = Pharma Grade |
| D90R = 90 mm Disc | HP = High Performance PP Media | | 1QF = 1/8" Female Quick Coupling | 1QF = 1/8" Female Quick Coupling | Shell Material |
| | M = PP Membrane | | 2C = 1/4" Compression | 2C = 1/4" Compression | Blank = Polypropylene |
| | N = Nylon | | 2H = 3/16-1/4" Hose Barb | 2H = 3/16-1/4" Hose Barb | - E = Polyethylene Gamma Stable |
| | NG = Natural Glass Fiber | | 2H-FB = 1/4" Hose Barb with Filling Bell | 2H-FB = 1/4" Hose Barb with Filling Bell | -GP = Polypro Gamma Stable |
| | NN = Nylon Non-Woven | | 2HL = 1/4-1/2 Hose Barb | 2HL = 1/4-1/2 Hose Barb | -NY = Nylon Shell |
| | NS = Nylon Screen | | 2N = 1/4" MNPT | 2N = 1/4" MNPT | -V = PVC Shell |
| | P = PP Media | | 2NF = 1/4" FNPT | 2NF = 1/4" FNPT | -BLK = BLK PP Shell |
| | PS = PP Screen | | 3H = 1/4-3/8" Hose Barb | 3H = 1/4-3/8" Hose Barb | Sterilization |
| | S = PES | | 3H-FB = 3/8" Hose Barb with Filling Bell | 3H-FB = 3/8" Hose Barb with Filling Bell | -ETO = ETO Sterilization |
| | TS = Polyester Screen | | 3N = 3/8" MNPT | 3N = 3/8" MNPT | O-Ring for Quick Connect |
| | UE = Polyethylene | | 3NF = 3/8" FNPT | 3NF = 3/8" FNPT | Blank = Silicon |
| | | | 3H = 5/16"-3/8" Hose Barb | 3H = 5/16"-3/8" Hose Barb | -OE = EPDM |
| | | | 3NF = 3/8" FNPT | 3NF = 3/8" FNPT | -ON = Nitrile |
| | | | 4H = 3/8-1/2" Hose Barb | 4H = 3/8-1/2" Hose Barb | -OV = Viton |
| | | | 4HL = 1/4-1/2" Hose Barb | 4HL = 1/4-1/2" Hose Barb | PreFilter(Add before Filter Media) |
| | | | 4N = 1/2 MNPT | 4N = 1/2 MNPT | G (pore size) = Glass Fiber |
| | | | 4Q = 1/2" Male Quick Coupling | 4Q = 1/2" Male Quick Coupling | P (pore size) = Polypropylene |
| | | | 5H = 5/8" Hose Barb | 5H = 5/8" Hose Barb | S (pore size) = PES |
| | | | LF = Luer Lock Female | LF = Luer Lock Female | Other |
| | | | LM = Luer Lock Male | LM = Luer Lock Male | NV = No Vent fitting |
| | | | LS = Luer Lock Male Slip | LS = Luer Lock Male Slip | |
| | | | MT = 1/2" Tri-Clamp | MT = 1/2" Tri-Clamp | |
| | | | SM = 1/2" Tri-Clamp w/SS insert | SM = 1/2" Tri-Clamp w/SS insert | |
| | | | RM = 1/2" Tri-Clamp w/SS insert | RM = 1/2" Tri-Clamp w/SS insert | |
| | | | TC = 1.5" Tri-Clamp | TC = 1.5" Tri-Clamp | |

Please note: The Inlet/Outlet configurations listed above are the most commonly used. If you do not see the inlet/outlet connections you require, please contact PharmBiologic Solutions for availability at info@pharmbiologicsolutions.com or at 315-415-0179.

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|--|---|
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