



## PureFlo D65R Filter Capsules (Disc Capsule)

Versatile Disc Capsule filter

PureFlo® D65R Filter Capsules (65mm diameter) have been designed for simple, quick, and efficient filtration of fluids and gases used in laboratory, pilot, and small-scale applications. The family of products is particularly suitable for scale up testing. Ten different media options can be placed in an all-polypropylene construction for excellent chemical compatibility. There are 18 different fitting options that can be mixed and matched for the inlet and outlet fittings.

The compact design of the filter capsule also reduces hold-up volume and exposure to hazardous chemicals. No adhesives, binders, or surfactants are used in the manufacturing process. The unit is thermally-sealed to ensure integrity.



### Specifications

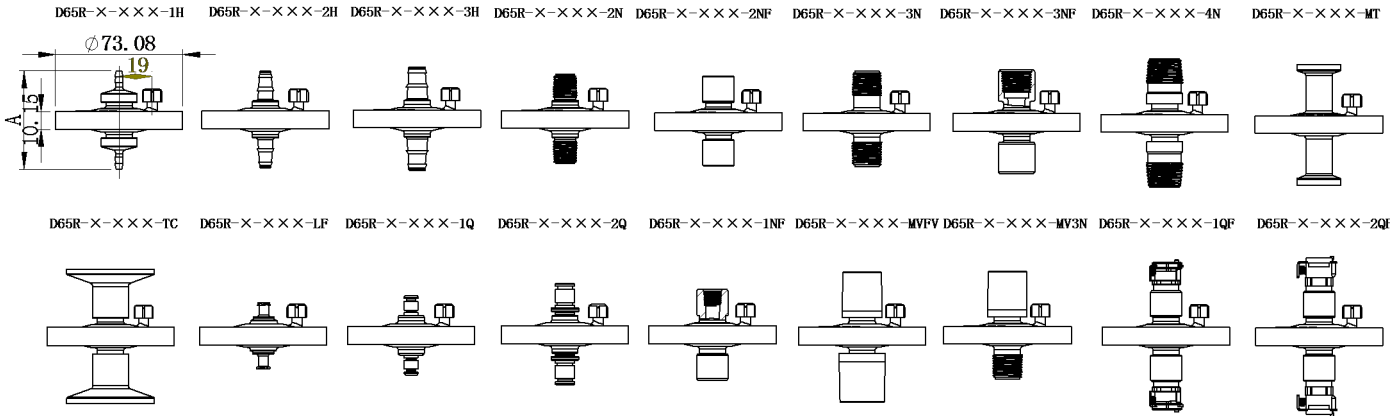
Materials of Construction:	Media: Polypropylene, Nylon, PTFE, Polyethylene, Glass Fiber, and PES Media Supports: Polypropylene or Polyester Shell: Polypropylene or Polyethylene Sealing: Thermally-welded
Fitting Connections:	See ordering guide for the availability. Any inlet/outlet combinations. (Custom adaptors available upon request)
Effective Filtration Area:	4in <sup>2</sup> (26cm <sup>2</sup> )
Dimensions:	65mm (2.87in)
Available Ratings:	0.04um to 70um (see Ordering Guide)
Operating Conditions:	Maximum Working Pressure: PP/HDPE/PVC 80 PSID @ 77°F/25°C (5.5 bar) Gamma PP 45 PSID @ 77°F/25°C (3.1 bar) Minimum Burst pressure: PP/HDPE: 120 PSID @ 77° F/25°C (8.3 bar) Gamma PP: 60 PSID @ 77°F/25°C (4.1 bar) Maximum Forward differential pressure: 60 PSID (4.1 bar) at 68°F (20° C) Maximum Reverse differential pressure: 30 PSIG (2.1 bar) at 68°F (20° C) Maximum Operating Temperature: PP & Gamma PP: 176°F/80°C HDPE: 140°F/60°C PVC: 122°F/50°C
Sterilization:	The filters can be sterilized by autoclaving for up to 25 cycles at 125°C (250°F) for 30 minutes, except for PE membrane. The filters can also be sanitized by hot water or common chemicals that are compatible with polypropylene.

Applications	
Low flow	Ink
Lab scale testing	Beverages
Bio Bags	Pharmaceuticals
Fine Chemicals	Biologics
Vent Filter	Scale up processing
Water	Small volume



## PureFlo D65R Filter Capsules

Dimensions (mm)



Code name	Inlet Fitting	Outlet Fitting	Size( ±1)
			A
D65R-x-xxx-1H	1/8" Hose Barb	1/8" Hose Barb	57
D65R-x-xxx-2H	1/4" Hose Barb	1/4" Hose Barb	55
D65R-x-xxx-3H	5/16"-3/8" Hose Barb	5/16"-3/8" Hose Barb	59
D65R-x-xxx-2N	1/4" MNPT	1/4" MNPT	51
D65R-x-xxx-2NF	1/4"FNPT	1/4"FNPT	71
D65R-x-xxx-3N	3/8" MNPT	3/8" MNPT	55
D65R-x-xxx-3NF	3/8" Female	3/8" Female	61
D65R-x-xxx-4N	1/2"Male	1/2"Male	74
D65R-x-xxx-MT	1/2" Tri Clamp	1/2" Tri Clamp	69
D65R-x-xxx-TC	1.5" Tri Clamp	1.5" Tri Clamp	76
D65R-x-xxx-LF	Luer Lock Female	Luer Lock Female	38
D65R-x-xxx-1Q	1/8" Male Quick Coupling	1/8" Male Quick Coupling	45
D65R-x-xxx-2Q	1/4" Male Quick Coupling	1/4" Male Quick Coupling	58
D65R-x-xxx-1NF	1/8"FNPT	1/8"FNPT	52
D65R-x-xxx-MVVF	Male Ventilator	Female Ventilator	75
D65R-x-xxx-MF3N	Male Ventilator	3/8"MNPT	62
D65R-x-xxx-1QF	1/8" Female Quick Coupling	1/8"Female Quick Coupling	85
D65R-x-xxx-2QF	1/4" Female Quick Coupling	1/4" Female Quick Coupling	90

### Regulatory Compliance:

The filters are constructed with polypropylene resins and filtration media in compliance with 21CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastic. (Except Bk PP and PVC)

### PureFlo D65R Filter Capsule Ordering Guide

PureFlo D65R Capsule Filters	Filter Media	Pore Sizes (Micron)											Input Fitting	Output Fitting	Options
		Carbon Fiber (C)	Charged Nylon (CN)	Depth PP (DP)	Polyethylene (E)	PTFE (F)	Glass Fiber (G)	Polypro Membrane (M)	Nylon (N)	Nylon Screen (NS)	Polypro Media (P)	PES (S)			
D65R = 65mm Capsule filter	C = Carbon Fiber CN = Charged Nylon DP = Depth PP E = Polyethylene F = PTFE G = Glass Fiber M = PP Membrane N = Nylon NS = Nylon P = PP Media S = PES TS = Polyester Screen	Leave Pore Size Blank for Carbon Fiber	005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 100 = 1.00 120 = 1.20	002 = 0.2um 005 = 0.5um 010 = 1.0um 015 = 1.5um 025 = 2.5um 045 = 4.5um 100 = 10um 200 = 20um	020 = 0.20 050 = 0.50 150 = 1.50 250 = 2.50	010 = 0.10 020 = 0.20 045 = 0.45 100 = 1.00 300 = 3.00 500 = 5.00 999 = 10	005 = 0.5 010 = 1.0 030 = 3.0 050 = 5.0 100 = 10 200 = 20 300 = 30	010 = 0.1 020 = 0.2 050 = 0.5 100 = 1.0 200 = 2.0 300 = 3.0	005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	100 = 10 200 = 20 300 = 30 400 = 40 500 = 50 700 = 70 15X = 150	003 = 0.3 005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 100 = 10 200 = 20 300 = 30 400 = 40 500 = 50 700 = 70 15X = 150	005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 100 = 10 120 = 1.20	1H = 1/8" Hose Barb 1NF = 1/8" FNPT 1Q = 1/8" Male Quick Coupling 1QF = 1/8" Female Quick 2H = 1/4"-5/16" Hose Barb 2N = 1/4" MNPT 2NF = 1/4" FNPT 2Q = 1/4" Male Quick Coupling for Metal latch 2QF = 1/4" Female Quick Coupling with Metal latch 3H = 5/16-3/8" Hose Barb 3N = 3/8" MNPT 3NF = 3/8" FNPT 4N = 1/2" MNPT FV = Female Ventilator LF = Female Luer Lock MT = 1/2" Tri Clamp MV = Male Ventilator TC = 1.5" Tri Clamp	1H = 1/8" Hose Barb 1NF = 1/8" FNPT 1Q = 1/8" Male Quick Coupling 1QF = 1/8" Female Quick 2H = 1/4"-5/16" Hose Barb 2N = 1/4" MNPT 2NF = 1/4" FNPT 2Q = 1/4" Male Quick Coupling for Metal latch 2QF = 1/4" Female Quick Coupling with Metal latch 3H = 5/16-3/8" Hose Barb 3N = 3/8" MNPT 3NF = 3/8" FNPT 4N = 1/2" MNPT FV = Female Ventilator LF = Female Luer Lock MT = 1/2" Tri Clamp MV = Male Ventilator TC = 1.5" Tri Clamp	Blank = Polypropylene Shell -GP = Gamma stabilized PP shell -NY = Nylon Shell ± = Polyethylene Shell and HDPE media support for gamma sterilization -1 = Single Bagged -NV = No vent fitting -FB = Filling Bell (with 2H only) -FC = Filling Bell w/ Cap (with 2H only) -BK = Black PP Shell -ETO = Ethylene oxide sterilization  O-Ring for Quick Coupling  Blank = O-ring Silicon (Standard) -CE = O-ring EPDM -ON = O-ring Nitril -OV = O-ring Viton

Example - 1.2 Micron Nylon Filter Media with 1/2" tri clamp fittings: D65R120M1MT For Same filter with Carbon Fiber: D65R120M1TC



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