

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.



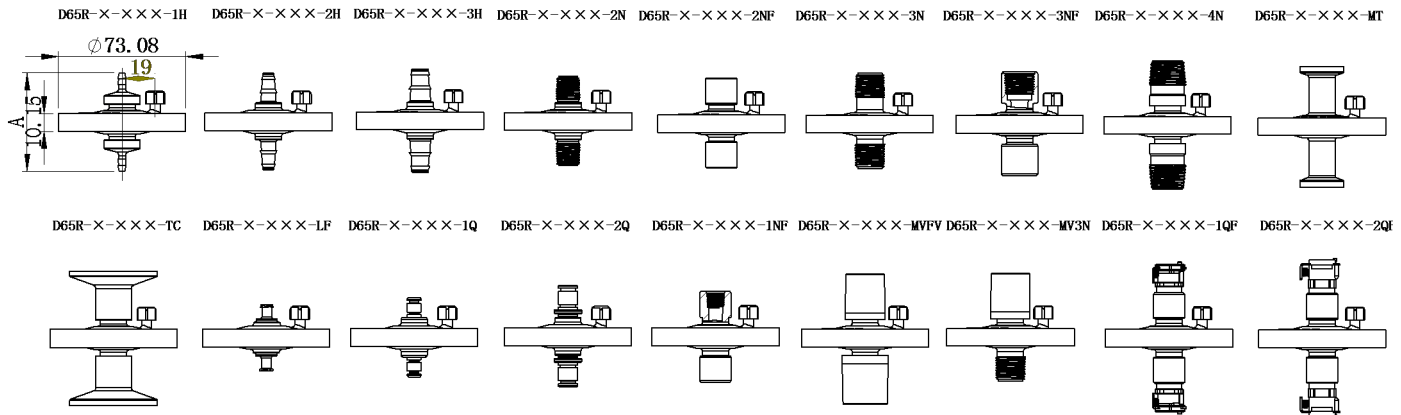
Specifications

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

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 ² (26cm ²)
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.

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-MVfV	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 Blk PP and PVC)

PureFlo D65R Filter Capsule Ordering Guide

Pore/ID D5R Capsule Filters	Filter Media	Pore Sizes (Micron)										Input Fitting	Output Fitting	Options		
		Carbon Fiber (G)	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)	
D5R = 65mm Capsule filter	C = Carbon Fiber	005 = 0.05	002 = 0.2um	020 = 0.20	010 = 0.10	010 = 0.10	005 = 0.5	010 = 0.1	005 = 0.05	100 = 10	003 = 0.3	005 = 0.05	1H = 1/8" Hose Barb	1H = 1/8" Hose Barb	Bank = Polypropylene Shell	
	CN = Charged Nylon	010 = 0.10	005 = 0.5um	100 = 1.0	020 = 0.20	020 = 0.20	010 = 0.10	020 = 0.2	010 = 0.10	200 = 20	006 = 0.6	010 = 0.10	1NF = 1/8" FNPT	1NF = 1/8" FNPT	-GP = Gamma stabilized PP shell	
	Nylon	020 = 0.20	010 = 1.0um	150 = 1.5	045 = 0.45	030 = 3.0	010 = 0.10	020 = 0.20	020 = 0.20	400 = 40	010 = 1.0	020 = 0.20	1Q = 1/8" Male Quick Coupling	1Q = 1/8" Male Quick Coupling	-NY = Nylon Shell	
	DP = Depth PP	045 = 0.45	015 = 1.5um	250 = 2.5	100 = 1.0	50 = 5.0	045 = 0.45	600 = 60	030 = 3.0	045 = 0.45	1QF = 1/8" Female Quick	1QF = 1/8" Female Quick	1QF = 1/8" Female Quick	1QF = 1/8" Female Quick	-E = Polyethylene Shell and HDPE media support for gamma	
	E = Polyethylene	005 = 0.65	025 = 2.5um		300 = 3.0	100 = 10	045 = 0.65	10X = 100	020 = 5.0	045 = 0.65	2H = 1/4"-5/16" Hose Barb	2H = 1/4"-5/16" Hose Barb	2H = 1/4"-5/16" Hose Barb	2H = 1/4"-5/16" Hose Barb	sterilization	
	F = PTFE	045 = 0.80	045 = 4.5um		600 = 5.0	200 = 20	045 = 0.80	20X = 200	010 = 1.0	045 = 0.80	2NF = 1/4" FNPT	2NF = 1/4" FNPT	2NF = 1/4" FNPT	2NF = 1/4" FNPT	-1 = Single Banged	
	G = Glass Fiber	120 = 1.20	100 = 10um		999 = 10	300 = 30	120 = 1.20		200 = 20	120 = 1.20	2NF = 1/4" FNPT	2NF = 1/4" FNPT	2NF = 1/4" FNPT	2NF = 1/4" FNPT	-NV = No vent fitting	
	M = PP Membrane		200 = 20um						300 = 30			2Q = 1/4" Male Quick Coupling for Metal latch	2Q = 1/4" Male Quick Coupling for Metal latch	2Q = 1/4" Male Quick Coupling for Metal latch	2Q = 1/4" Male Quick Coupling for Metal latch	-F8 = Filling Bell (with 2H only)
	N = Nylon								400 = 40			3Q = 1/4" Female Quick Coupling with Metal latch	3Q = 1/4" Female Quick Coupling with Metal latch	3Q = 1/4" Female Quick Coupling with Metal latch	3Q = 1/4" Female Quick Coupling with Metal latch	-BK = Black PP Shell
	NS = Nylon								500 = 50			3H = 5/16-3/8" Hose Barb	3H = 5/16-3/8" Hose Barb	3H = 5/16-3/8" Hose Barb	3H = 5/16-3/8" Hose Barb	ETO = Ethylene oxide sterilization
P = PP Media								700 = 70			3NF = 3/8" FNPT	3NF = 3/8" FNPT	3NF = 3/8" FNPT	3NF = 3/8" FNPT		
S = PES								700 = 70			4N = 1/2" FNPT	4N = 1/2" FNPT	4N = 1/2" FNPT	4N = 1/2" FNPT	O-Ring for Quick Coupling	
TS = Polyester Screen								730 = 73			FV = Female Ventilator	FV = Female Ventilator	FV = Female Ventilator	FV = Female Ventilator		
								200 = 20			LF = Female Luer Lock	LF = Female Luer Lock	LF = Female Luer Lock	LF = Female Luer Lock		
								400 = 40			MT = 1/2" Tri Clamp	MT = 1/2" Tri Clamp	MT = 1/2" Tri Clamp	MT = 1/2" Tri Clamp	-OE = O-ring EPDM	
								400 = 40			MV = Male Ventilator	MV = Male Ventilator	MV = Male Ventilator	MV = Male Ventilator	-ON = O-ring Nitrile	
								730 = 73			TC = 1/2" Tri Clamp	TC = 1/2" Tri Clamp	TC = 1/2" Tri Clamp	TC = 1/2" Tri Clamp	-OV = O-ring Viton	

Example: ~ 1.2 Micron Nylon Filter Media with 1/2" tri clamp fittings on 65mm 200MM For Same filter with Carbon ETO-BK-MT-MT

Example	- 1.2 Micron Nylon Filter Media with 1/2" tri clamp fittings	On SRM20MTMF	For Same filter with Carbon Filter	On SRCMTM
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904 N. Frederic St. Burbank, CA 91505
www.internationalfilterproducts.com
sales@internationalfilterproducts.com
Phone: (818) 841-2702
Fax: (818) 841-2947



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