

Capsule Filters



Grace Capsule Filters are designed in compact sizes and suitable for small batch processes of liquids and gases. The self-contained character makes the product line easy in maintenance and ideal for critical point-of-use applications such as small scale production line and research facilities. Grace capsule filters provide fast change out, optimum equipment efficiency and enhanced safety.

- Ⓞ **Features of self-contained characteristic and wide chemical compatibility are ideal for critical point-of-use applications.**
- Ⓞ **Available in various filter media and sizes for different small scale processes.**
- Ⓞ **Disposable design makes change outs easy and quick.**
- Ⓞ **Free of additives and binders by the thermal welding construction.**

Applications

Laboratory Facilities, Small Volume Filtration, Photoresists, Dye, Air Vents, Pharmaceutical, Food & Beverage, Cosmetics

Specifications

Filter Type	Filter Media	Housing/Support Material	Micron Rating
CAP	Polypropylene	Polypropylene	0.2, 0.45, 1, 3, 5, 10, 20, 30, 40, 70 µm
CAS	Polyethersulfone	Polypropylene	0.03, 0.1, 0.2, 0.45, 1 µm
CAN	Nylon	Polypropylene	0.1, 0.2, 0.45, 1 µm
CAF	Hydrophobic PTFE	Polypropylene	0.1, 0.2, 0.45, 1 µm
CAV	PVDF	Polypropylene	0.1, 0.2, 0.45, 1 µm

Operation Data

Maximum Operating Temperature : 50°C (122°F)
Maximum Differential Pressure : 5.0 bar at 38°C (72 psi at 102°F)
Recommended Change Out Differential Pressure : 3.5 bar at 23°C (50 psi at 73°F)

Capsule Filters

Dimensions

Size	Filtration Area	Inlet/Outlet Connection	Vent/Drain Connection
ø70mm x 114mmH	1300cm ²	1/4" NPTM	1/8" NPTM
ø78mm x 172mmH	2600cm ²	1/2"NPTM	1/4"NPTM
ø72mm x 114mmH	1300cm ²	1/4" Swagelok	1/8"Swagelok
ø72mm x 114mmH	1300cm ²	1/4" Swagelok	1/4"Swagelok
ø72mm x 114mmH	1300cm ²	3/8" Swagelok	1/4"Swagelok
ø72mm x 172mmH	2600cm ²	3/8" Swagelok	1/4"Swagelok
ø72mm x 172mmH	2600cm ²	1/2" Swagelok	1/4"Swagelok
ø68mm x 88mmH	650cm ²	3/8" Hose Barb	1/8"NPTM

Ordering Information

Type	Size	Micron Rating	Filter Media	Inlet/Outlet Connection	Vent/Drain Connection
CA Capsule Filter	A - ø70mm x 114mmH	0X3 – 0.03 µm	P - Polypropylene S - Polyethersulfone N - Nylon F - Hydrophobic PTFE V - PVDF	N02 - 1/4" NPTM	N01 - 1/8" NPTM
	B - ø72mm x 172mmH	01 – 0.1 µm		S03 - 3/8" Swagelok	S02 - 1/4" Swagelok
	A - ø72mm x 114mmH	02 – 0.2 µm		S02 - 1/4" Swagelok	S02 - 1/4" Swagelok
	A - ø72mm x 114mmH	0H – 0.45 µm		S02 - 1/4" Swagelok	S01 - 1/8" Swagelok
	A - ø72mm x 114mmH	1 – 1 µm		S03 - 3/8" Swagelok	S02 - 1/4" Swagelok
	A - ø72mm x 114mmH	3 – 3 µm		N04 - 1/2" NPTM	N02 - 1/4" NPTM
	B - ø78mm x 172mmH	5 – 5 µm		S04 - 1/2" Swagelok	S02 - 1/4" Swagelok
	B - ø72mm x 172mmH	10 – 10 µm		H03 - 3/8" Hose Barb	N01 - 1/8" NPTM
	B - ø72mm x 172mmH	20 – 20 µm			
	H - ø68mm x 88mmH	30 – 30 µm			
		40 – 40 µm			
		70 – 70 µm			
CA Capsule Filter	A ø70mm x 114mmH	01 0.1µm	F PTFE	N02 Inlet/Outlet:1/4" NPTM	N01 Vent/Drain:1/8" NPTM