

Disposable In-Line Gas/Liquid Filters

Choose opaque PVDF for the best chemical compatibility or transparent nylon for lower cost

Filter gases or liquids with these microfiber filters. All models have a borosilicate glass filter membrane. See table below for applications and efficiency ratings. Liquid efficiency ratings are 98% retention of particles of noted size; gas efficiency ratings are percentage retention of 0.01 µm particles.

Nylon and PVDF filters with 1/4" OD and 1/2" OD ports accept flexible tubing for low-pressure applications; use compression fittings for higher-pressure applications. Models 02909-15, -35, and -55 have a stepped barb connector for secure connection of 1/4" and 3/8" ID flexible tubing.

Max pressure for filters with 1/4" OD ports is 125 psi (8.5 bar); max pressure for filters with 1/2" OD ports is 50 psi (3.4 bar). Max differential pressure for all filters is 40 psi (60 psi for 0.01 µm units).



Application	Material	Gas efficiency	Liquid efficiency	Air flow at 2 psi drop at indicated pressure (scfm)			Water flow at indicated pressure drop (GPH)		Max temp (at 0 psi)	Ports	Catalog number	Qty/pk	Price/pk
				2 psi	60 psi	100 psi	1 psi	5 psi					
High-purity compressed gas; absolute filtration to 0.01 µm	Nylon	100% at 0.01 µm	—	0.3	1.7	2	—	—	230°F (110°C)	1/4" OD	GH-02917-60	5	
	Nylon	93%	25 µm	1.2	5.4	8.3	12	30	230°F (110°C)	1/4" OD	GH-02909-10	5	
Gas/air filtration—general-purpose use. Liquid filtration—remove most visible particles.	Nylon	93%	25 µm	1.2	5.4	8.3	12	30	230°F (110°C)	1/4" and 3/8" barb	GH-02909-15	10	
	Nylon	93%	25 µm	—	—	—	54	129	150°F (66°C)	1/2" OD	GH-02909-17	1	
	Nylon	98%	8 µm	1.0	125	6.9	10	25	230°F (110°C)	1/4" OD	GH-02909-20	5	
	PVDF	93%	25 µm	1.2	5.4	8.3	12	30	275°F (135°C)	1/4" OD	GH-02908-40	5	
	PVDF	98%	8 µm	1.0	125	6.9	10	25	275°F (135°C)	1/4" OD	GH-02908-50	5	
Gas/air filtration—complete oil and water droplet removal. Liquid filtration—remove all visible particles and most colloidal haze.	Nylon	99.999%	2 µm	0.8	3.6	5.4	3	15	230°F (110°C)	1/4" OD	GH-02909-30	5	
	Nylon		2 µm	0.8	3.6	5.4	3	15	230°F (110°C)	1/4" and 3/8" barb	GH-02909-35	10	
	Nylon		2 µm	—	—	—	13	56	150°F (66°C)	1/2" OD	GH-02909-37	1	
	Nylon		2 µm	0.8	3.6	5.4	—	—	230°F (110°C)	1/4" OD	GH-02909-40	5	
Gas/air filtration—with carbon granules for removal of trace oil vapors	Nylon	99%	—	0.5	2.6	4.0	—	—	180°F (82°C)	1/4" OD	GH-02908-62	10	
Gas/air filtration—with silica gel for removal of water vapor	Nylon	99%	—	0.5	2.6	4.0	—	—	180°F (82°C)	1/4" OD	GH-02908-64	10	
Gas/air filtration—with mixed sodium and calcium hydroxides for removal of acidic gases	Nylon	99%	—	0.5	2.6	4.0	—	—	180°F (82°C)	1/4" OD	GH-02908-66	10	
Gas/air sterilizing. Liquid filtration—remove most bacteria.	Nylon	99.9999+%	0.9 µm	0.4	1.8	2.7	1.5	7.3	230°F (110°C)	1/4" OD	GH-02909-50	5	
	Nylon	99.9999+%	0.9 µm	0.4	1.8	2.7	1.5	7.3	230°F (110°C)	1/4" and 3/8" barb	GH-02909-55	10	
	Nylon	99.9999+%	0.3 µm	0.1	0.45	0.68	0.4	1.9	230°F (110°C)	1/4" OD	GH-02909-60	5	
	PVDF	99.9999+%	0.9 µm	0.4	1.8	2.7	1.5	7.3	275°F (135°C)	1/4" OD	GH-02908-80	5	
	PVDF	99.9999+%	0.3 µm	0.1	0.45	0.68	0.4	1.9	275°F (135°C)	1/4" OD	GH-02908-90	5	

*Turns red when saturated.

Whatman™ In-Line Carbon Filter Capsules

Disposable, high-purity activated carbon and glass microfiber HEPA filter

- Large surface area of activated carbon for effective operation
- Two sizes of capsule available to suit your specific application

These filters are ideal for applications involving compressed air lines, vacuum pumps, or instrument exhaust emissions. Each capsule contains a high-purity granular activated carbon and a pleated glass microfiber HEPA filter to retain 99.97% of all particles greater than 0.3 µm. Filters are constructed of high-purity polypropylene housing with a 1/2" (12 mm) hose barb inlet and 3/8" to 1/2" (10 to 12 mm) stepped barb outlet.

Typical applications include water, chemical and reagent purification, odor control, vacuum pump outlets, decolorizing, and oil clarification. Maximum operating pressure is 60 psi (4.1 bar).

Dimensions (mm)	Mesh size (mm)	Surface area (sq. meter)	Air flow rates (SLPM)		Water flow rate (LPM)	Catalog number	Price
			0.02 bar (0.3 psi)	0.11 bar (1.6 psi)			
96 x 66	12 x 20	26,000	72.0	212.0	8.8	GH-29708-10	
183 x 66		82,000	57.5	150.0	4.5	GH-29708-12	

