

Breather Filters

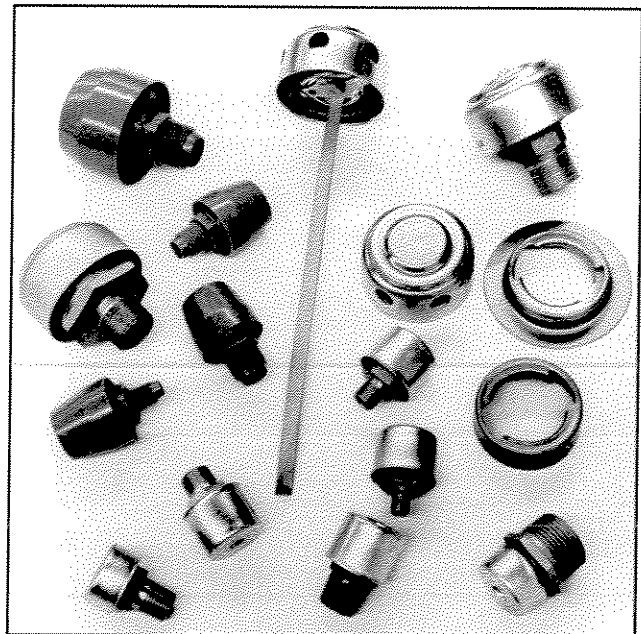
Purolator breather filters provide positive protection for hydraulic, engine, and transmission fluid reservoirs and protection against damage to system components such as pumps, valves, and cylinders by airborne contaminants. These breather filters act as ventilators to provide the free flow of clean air into fluid reservoirs and assure instant compensation for changes in liquid level.

Metal Breathers

All-metal housing components provide long life and durability. The shield is made from carbon steel, while the case is a zinc die casting. Cap style breathers have a bayonet-lock connection and serve as a combination filler cap and breather filter. Standard stamped steel flange and tube-type mating connections for surface or pipe mounting are available.

Plastic Breathers

With housing components made from DuPont Delrin®, these units provide the ultimate in corrosion resistance. They can withstand the abuses of potentially corrosive environments indefinitely without degradation. Their high strength makes them ideal for off-the-road construction equipment. The standard color is black; however, colors to match associated equipment and OEM markings can be supplied.



Metal Assemblies				
Filtration Media		Dimensions		
40 µm Porobon® Media	10 µm Micropleat® Media	Diameter Inches	Height Inches	Thread NPTF
569020-02	569020-10	1.37	1.88	1/8"
569020-01	569020-11	1.37	1.88	1/4"
569022-01	569022-10	1.37	1.88	3/8"
569022-03*	-----	1.37	1.75	3/8"
568699-01	568699-10	1.37	2.00	1/2"
565914	565914-10	2.56	3.13	3/4"
572569	-----	2.56	1.50	N/A

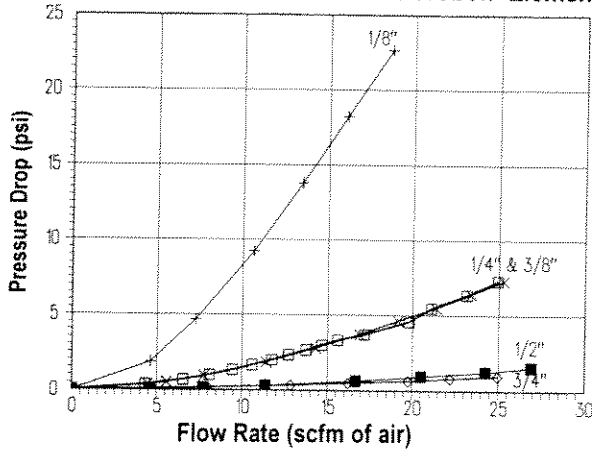
*Low Profile

Metal Assemblies			
Purolator Part No.	Connections	Dimensions	
		Diameter Inches	Height Inches
1988	Flange	3.25	.62
1989	Tube	2.28	.91

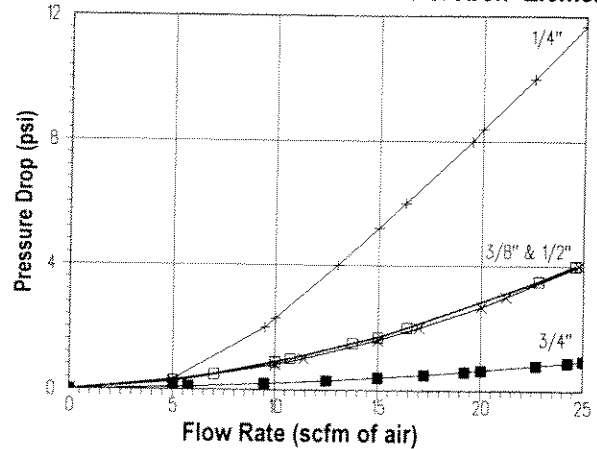
Plastic Assemblies				
Filtration Media		Dimensions		
40 µm Porobon® Media	10 µm Micropleat® Media	Diameter Inches	Height Inches	Thread NPTF
052396	052396-10	1.52	2.43	1/4"
052397	052397-10	1.52	2.43	3/8"
052398	052398-10	1.52	2.43	1/2"
049910	049910-10	2.59	3.22	3/4"

Metal breather caps with dip sticks are available upon request. Specify length of stick and marking desired.

Metal Breather Assemblies with Porobon® Elements



Plastic Breather Assemblies with Porobon® Elements



Check Valve Breather Filters

All the advantages of standard breathers, but with the added benefit of a closed operation system. When the fluid system is started, these units open to admit air to the reservoir as fluid is pumped from the reservoir and then close when the reservoir fluid level stabilizes. As circulated fluid returns to the reservoir during idling periods, the fluid level rises, pressurizing and sealing the reservoir.

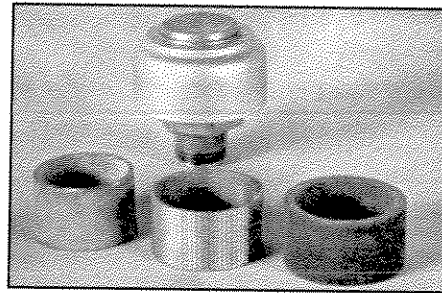
Exclusive Filtration Media

Purolator breather filters and check valve breather filters are available with the following media.

Porobon® Media: Porous polyethylene filter media, 40 micron nominal, low cost, disposable, good for temperatures -65°F to 225°F.

Micropleat® Media: Resin impregnated cellulose pleated filter media for increased surface area, 10 micron nominal, low cost, disposable, good for temperatures -65°F to 275°F.

Poroplate® Media: Diffusion bonded wire cloth laminate filter media, 10 micron, corrosion resistant, high temperature capability, cleanable.



Check Valve Breather Filter Assemblies

Both one-way and two-way check valve breather filter assemblies are available. The one-way assemblies provide for vacuum relief only. The two-way models have the vacuum relief provision and also several available pressure relief settings.

Metal Check Valve Assemblies								
Filtration Media			Relief Pressures			Dimensions		
40 µm Porobon® Media	10 µm Micropleat® Media	10 µm Poroplate® Media	Type	Vacuum PSID	Pressure PSID	Diameter Inches	Height Inches	Thread NPTF
569022-30	----	----	one-way	.3	--	1.59	2.00	1"
----	057135-24	057135-28	two-way	.8	35	2.58	2.85	3/4"
----	057135-25	057135-29	two-way	.8	25	2.58	2.85	3/4"
----	----	057135-30	two-way	.8	18	2.58	2.85	3/4"
057135-23	057135-27	057135-31	two-way	.8	10	2.58	2.85	3/4"