Filter Bag Sizes & Dimensions

Standard Sizes 1–4, Specialty Sizes & Pressure-Drop Estimation

Bag filter housings worldwide standardize on four bag sizes; every Universal Filters product — felt, mesh, welded, high-efficiency, Oil Magnet® — is available in each, plus the less-common standards and fully custom dimensions.

Standard Sizes

Size	Diameter	Length	Surface area	Typical max flow*	Bottom
Size 1	7"	16.5"	2.2 ft²	~90 GPM	Flat
Size 2	7"	32"	4.4 ft²	~180 GPM	Flat
Size 3	4"	8"	0.5 ft²	~25 GPM	Point
Size 4	4"	14"	1.0 ft²	~45 GPM	Point

*Clean water service; derate for viscosity, micron rating, and solids loading.

Specialty and Housing-Specific Sizes

Size	Dimensions	Notes
Size 5	4" × 24"	Same 4" ring family as sizes 3 and 4
Sizes 7 / 8 / 9	5.65" × 15" / 20" / 32"	Rosedale model 6 housings; same ring, three lengths
Size 12	8" × 32"	Fast-growing standard; actual diameter ~8.25"
Parker C-band (C1 / C2)	7.5" × 17" / 31"	Flexible band top instead of ring
Cuno PC (PC1 / PC2)	9" × 20" / 31"	9" ring; oversize ring available
R-P style	8" × 30"	Ring or 8" flange top
Tie-on	12"×18", 18"×24", others	Drawstring tops; no housing required

Estimating Pressure Drop

Take the media pressure-drop figure (per ft²) for your flow rate, **divide by the bag's surface area**, then **multiply by the viscosity correction factor** below. Add housing pressure drop for system total. Change bags at about 15 PSID.

Viscosity (cps)	50	100	200	400	800	1000	1500	2000	4000	6000	8000	10000
Correction factor	4.5	8.5	16.6	27.7	50.0	56.2	77.2	113.6	161.0	250.0	325.0	430.0

Which Size Do I Have?

Measure the bag, not the housing: diameter across the ring, length ring-to-bottom. Sizes 1 and 2 share the same 7" ring — a size 2 is simply twice as long. Sizes 3 and 4 share the 4" ring and have pointed bottoms. Reordering? The fastest path is the part number stamped on your current bag.

Quotes: call 800-554-8555 or use the quote form at universalfilters.com/request-a-quote/ — send a part number (ours or a competitor's), a spec, or a drawing. Most quotes go out the same business day.

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