

Extraction Thimbles

High purity, seamless filters with a characteristic thimble shape. Applications include analysis of fats, oils, grease, pesticides, pollutants, other organics and additives in plastics and rubber materials.

Cellulose Thimbles – No. 84

- Suitable for Soxhlet extractions of organic components
- Dust sampling
- Lipid content <0.1% by weight

Glass Fiber Thimbles – No. 86R

- Borosilicate glass
- High temperature extractions or dust monitoring ($\leq 500^{\circ}\text{C}$)
- Acid resistant (except hydrofluoric)

Quartz Fiber Thimbles – No. 88R and 88RH

- Use up to $1,000^{\circ}\text{C}$
- No. 88RH is treated at 900°C to stabilize the weight prior to use

PTFE Fiber and PTFE/Quartz Fiber Thimbles – No. 89 and 89S

- Durable, temperature-resistant
- Non-adsorptive with respect to acid gases
- PTFE is inherently hydrophobic
- Little or no trace metal contamination



Thimbles

SPECIFICATIONS

Grade	Material	Nominal Rating (μm)	Thickness (mm)	Weight (g per 25 x 90 thimble)	Pressure drop (kPa at 5L/min.)	Collection Efficiency (%; 0.3 μm DOP)	Max. operating temp ($^{\circ}\text{C}$)	Heating loss rate (%)	Conversion	
									Whatman	ex-Schleicher & Schuell
No. 84	Cellulose	8	1.5	3.6	0.25	89	120	-	2800	603
No. 86R	Glass Fiber	1	1.6	1.8	0.30	>99.9	500	0.2	2814	603G
No. 88R	Quartz Fiber	-	2.2	1.6	0.44	>99.9	1,000	-	-	-
No. 88RH	Quartz Fiber	-	2.2	1.6	0.44	>99.9	1,000	0.1	2812	-
No. 89	PTFE Fiber	-	1.8	11.0	4.5	>99.9	260	-	-	-
No. 89S	PTFE/Quartz Fiber	-	1.6	6.0	0.54	>99.9	400	0.07	-	-

ORDERING INFORMATION

INTERNAL DIAMETER (mm) X HEIGHT (mm). 25 THIMBLES PER PACKAGE

Size	19 x 90	22 x 65	22 x 80	25 x 60	25 x 80	25 x 90	25 x 100	28 x 100	30 x 80	30 x 100	33 x 80	33 x 100	43 x 123
Grade													
No. 84	○	○	○	○	○	○	○	○	○	○	○	○	○
No. 86R	-	-	-	-	-	○	○	-	○	○	-	-	○
No. 88R	-	-	-	-	-	-	○	-	○	○	-	-	-

EXTERNAL DIAMETER (mm) X HEIGHT (mm). 25 THIMBLES PER PACKAGE

Size	20 x 90	22 x 90	25 x 90	28 x 100	30 x 100	33 x 120	35 x 120	40 x 150	45 x 150	53 x 150	60 x 200	75 x 210
Grade												
No. 84	○	○	○	○	○	○	○	○	○	○	○	○
No. 86R	○	○	○	○	○	○	○	○	○	○	○	○
No. 88R	○	○	-	○	○	○	○	○	○	○	○	○

EXTERNAL DIAMETER (mm) X HEIGHT (mm). 10 THIMBLES PER PACKAGE

Size	25 x 90
Grade	
No. 88RH	○
No. 89	○
No. 88R	○
No. 89S	○