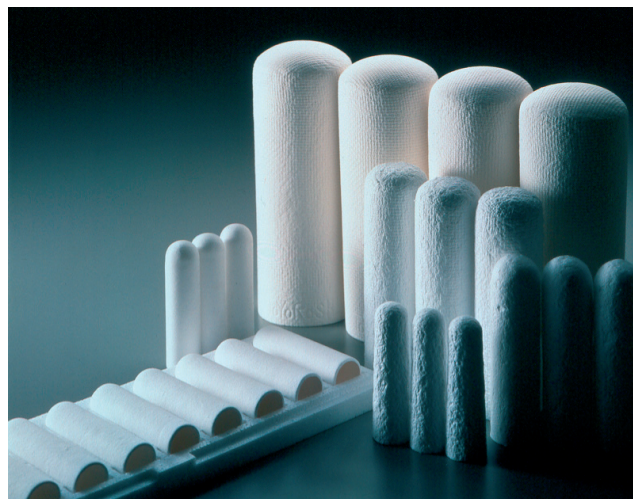


Extraction Thimbles

Extraction Thimbles are seamless, high purity filters with a distinctive thimble shape. Thimbles are available in four different materials of construction in many sizes. Typical applications include analysis of fats, oils, grease, organics, pesticides and pollutants, additives in plastic 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 (≤ 500 °C)
- Acid resistant (except hydrofluoric)
- Acid washed for minimum trace metal content

› Quartz Fiber Thimbles – Nos. 88R and 88RH

- Use up to 1000°C
- No. 88RH is treated at 900°C for 4 hours to stabilize the weight prior to use
- Both 88R and 88RH are tapered for ease in loading into stack samplers

› PTFE Fiber and PTFE/Quartz Fiber Thimbles – Nos. 89 and 89S

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

Specifications

Type	Material	Nominal Rating [μm]	Wall Thickness [mm]	Weight [g per 25x90 mm Thimble]	Pressure drop at 5 l/min. [kPa]	Collection Efficiency [%; 0.3 μm DOP]	Max. Operating Temperature [°C]	Heating loss rate [%]
84	Cellulose	8	1.5	3.6	0.25	89	120	-
86R	Glass Fiber	1	1.6	1.8	0.30	>99.9	500	0.2
88R	Quartz Fiber	-	2.2	1.6	0.44	>99.9	1000	-
88RH	Quartz Fiber	-	2.2	1.6	0.44	>99.9	1000	0.1
89	PTFE Fiber	-	1.8	11.0	4.5	>99.9	260	-
89S	PTFE/Quartz Fiber	-	1.6	6	0.54	>99.9	400	0.07

Ordering Information

Note

Please note that there are two versions of sizes available; either expressed as Internal diameter x height or External diameter x height.

Cat. Nos. with "X" as the last digit means External diameter and Cat. Nos. without the "X" mentioned, is the Internal diameter of the thimbles.

Tolerances:

Diameter +/- 3%

Height +/- 1.5%

Cellulose Thimbles – No. 84

External diameter

Size [mm] diameter x height	Packing	Cat. No.
20 x 90	25	84.209X
22 x 90	25	84.229X
25 x 90	25	84.259X
28 x 100	25	84.280X
30 x 100	25	84.300X
33 x 120	25	84.332X
35 x 120	25	84.352X
40 x 150	25	84.405X
45 x 150	25	84.455X
53 x 150	25	84.535X
60 x 200	25	84.600X
75 x 210	25	84.751X

Glass Fiber Thimbles – No. 86R

External diameter

Size [mm] diameter x height	Packing	Cat. No.
20 x 90	25	86R.209X
22 x 90	25	86R.229X
25 x 90	25	86R.259X
28 x 100	25	86R.280X
30 x 100	25	86R.300X
33 x 120	25	86R.332X
35 x 120	25	86R.352X
40 x 150	25	86R.405X
45 x 150	25	86R.455X
53 x 150	25	86R.535X
60 x 200	25	86R.600X
75 x 210	25	86R.751X

Cellulose Thimbles – No. 84

Internal diameter

Size [mm] diameter x height	Packing	Cat. No.
19 x 90	25	84.199
22 x 65	25	84.226
22 x 80	25	84.228
25 x 60	25	84.256
25 x 80	25	84.258
25 x 90	25	84.259
25 x 100	25	84.250
28 x 100	25	84.280
30 x 80	25	84.308
30 x 100	25	84.300
33 x 80	25	84.338
33 x 94	25	84.339
33 x 100	25	84.330
43 x 123	25	84.432

Glass Fiber Thimbles – No. 86R

Internal diameter

Size [mm] diameter x height	Packing	Cat. No.
19 x 90	25	86R.199
25 x 90	25	86R.259
25 x 100	25	86R.250
30 x 80	25	86R.308
30 x 100	25	86R.300
43 x 123	25	86R.432

Ordering Information

Quartz Fiber Thimbles – No. 88R

External diameter

Size [mm] diameter x height	Packing	Cat. No.
20 x 90	25	88R.209X
22 x 90	25	88R.229X
25 x 90	10	88R.259X
28 x 100	25	88R.280X
30 x 100	25	88R.300X
33 x 120	25	88R.332X
35 x 120	25	88R.352X
40 x 150	25	88R.405X
45 x 150	25	88R.455X
53 x 150	25	88R.535X
60 x 200	25	88R.600X
75 x 210	25	88R.751X

Quartz Fiber Thimbles – No. 88R

Internal diameter

Size [mm] diameter x height	Packing	Cat. No.
19 x 90	25	88R.199
25 x 100	25	88R.250
30 x 80	25	88R.308
30 x 100	25	88R.300
33 x 80	25	88R.338
43 x 123	25	88R.432

Quartz Fiber Thimbles – No. 88RH

External diameter

Size [mm] diameter x height	Packing	Cat. No.
25 x 90	10	88RH.259X

PTFE Fiber Thimbles – No. 89

External diameter

Size [mm] diameter x height	Packing	Cat. No.
25 x 90	10	89.259X

PTFE/Quartz Fiber Thimbles – No. 89S

External diameter

Size [mm] diameter x height	Packing	Cat. No.
25 x 90	10	89S.259X