

Vacuum Filtration "rapid"-Filtermax and Syringe Filter



Quality features of the quadratic Vacuum Filtration "rapid"-Filtermax.

- Large quadratic filter surface of 49 cm² and 69 cm² respectively
- Premium PES filter membrane, pore size of 0.22 µm and low protein binding capacity
- High flow rate
- Secure footprint eliminates the risk of encompassment of the filter unit by the vacuum tubing (picture 3)
- Quadratic form saves valuable space in storage (picture 2)
- Tapered form at the neck enables large and small hands a firm and slip free grip of the "rapid"-Filtermax system – even when wearing rubber gloves
- Separate packed screw cap and adapter for the vacuum connection hose with inside diameter of Ø 6 – 10 mm (2.36 – 3.94 inch) supplied with each system (picture 1)
- Choice of filter set, top only or flask only, all provided with a GL-45 compatible screw thread

TPP recommends filling the liquid into the filter first and then applying the vacuum.

1 Filter top and flask are graduated; the units are ready to use with the use with a pump or pressure tank.

2 The "rapid"-Filtermax is available in sizes 125, 250, 500 and 1000 ml. The flask can be used as medium reservoir.

3 The tapered form enables small and large hands a secure grip.



Syringe filters are intended to filter aqueous solutions.

Features of the Syringe Filter:

- PES filter membrane with pore size 0.22 μm or 0.45 μm
- Membrane with a high flow rate with minimal protein binding
- Standard luer-lock connection enables a filtration at high pressure with a syringe
- Outside diameter of the filter enables the syringe filter to sit stably on a 50 ml TPP centrifuge tube (picture 3)
- Low dead volume
- Burst pressure 10 bar
- Bubble point 3.7 bar
- Typical starting flow rate at 25 °C for water at 2 bar: 175 ml / min
- Single packed in blister



1 The syringe filters are available in sterile blister packaging in convenient card box dispenser.

Type	Product-No.	Filter Area cm^2	Volume ml	Membrane-Type PES / μm	Dimensions l x w x h mm	Material	Qty / Bag	Qty / Case
CF	99150	49	150	0,22	93 x 93 x 103	PS/PES	1	18
CV	99155	49	150	0,22	89 x 89 x 57	PS/PES	1	36
CP	99157	-	150	-	93 x 93 x 63	PS	1	24
CF	99250	49	250	0,22	93 x 93 x 143	PS/PES	1	12
CV	99255	49	250	0,22	89 x 89 x 75	PS/PES	1	24
CP	99257	-	250	-	93 x 93 x 87	PS	1	24
CF	99500	49	500	0,22	93 x 93 x 213	PS/PES	1	10
CV	99505	49	500	0,22	89 x 89 x 111	PS/PES	1	21
CP	99507	-	500	-	93 x 93 x 121	PS	1	36
CF	99950	69	1000	0,22	111 x 111 x 285	PS/PES	1	9
CV	99955	69	1000	0,22	108 x 108 x 143	PS/PES	1	12
CP	99957	-	1000	-	111 x 111 x 160	PS	1	20

Type	Product-No.	Filter Area cm^2	Membrane-Type PES / μm	Dimensions $\text{Ø} \times \text{h}$ mm	Material	Qty / Bag	Qty / Case
CF	99722	6	0,22	33 x 27	PET	1	200 (5 x 40)
CF	99745	6	0,45	33 x 27	PET	1	200 (5 x 40)



2 All vacuum filtration systems feature a GL-45 compatible screw thread.

3 Stable fit of the syringe filter on a 50 ml centrifuge tube.