

Ready-to-use Filter Units, Whatman Schleicher & Schuell

Ready-to-use filter units

Only virgin material is used for the manufacture of the ready-to-use filter units to eliminate any possibility of interaction with the sample being filtered if used correctly. The filter units are for laboratory use only. The maximum operating temperature is 50°C.

Important: The use of syringes with a volume < 10 ml can generate high pressure which may exceed the maximum operating pressure (700 kPa/7 bar) of the filter units.

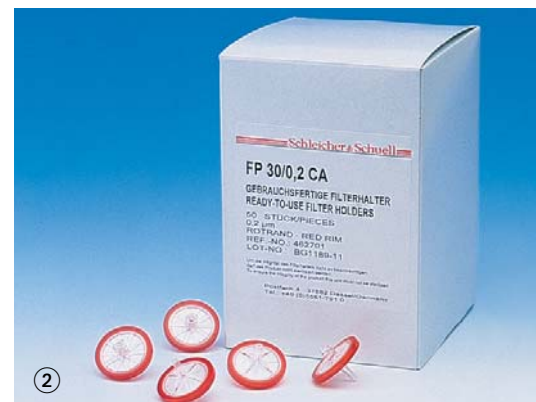
In filter units with integrated prefilters the dead volume is larger than specified.

EtO sterilized = non-pyrogenic in accordance with LAL test (USPXXIII)

Sensitivity: 0.25 EU/ml.

Housing type:

	A	B
Type:	30 mm	30 mm
Effective filter area:	5.1 cm ²	5.1 cm ²
Inlet:	Luer-Lock inner taper (female) LLH	Luer-Lock inner taper (female)
Outlet:	Luer-Lock outer taper (male) LM	Luer-Lock outer taper (male)



Type	Ø mm	Housing type	Order No.	PU pc/Pack
FP 30/5.0 CN-S	30	A	26 02 62000	50
FP 30/0.45 CA-S	30	A	26 02 62100	50
FP 30/0.2 CA-S	30	A	26 02 62200	50
FP 30/0.2 CA-S	30	B	26 02 62205	50
FP 30/0.2 CA	30	A	26 02 62701	50
FP 30/0.2 CA	30	A	26 02 62710	100
① FP 30/0.2 CA	30	A	26 02 62700	500
FP 30/0.2 CA	30	B	26 02 62206	500
FP 30/0.8 CA-S	30	A	26 02 62240	50
FP 30/0.8 CA	30	A	26 02 62241	50
FP 30/0.8 CA	30	A	26 02 62243	500
② FP 30/1.2 CA-S	30	A	26 02 62260	50
FP 30/1.2 CA	30	A	26 02 62261	50
FP 30/1.2 CA	30	A	26 02 62263	500
FP 30/0.2 PTFE-S	30	A	26 02 62300	50
FP 30/5.0 CN	30	A	26 02 62520	50
FP 30/5.0 CN	30	A	26 02 62510	100
FP 30/5.0 CN	30	A	26 02 62500	500
FP 30/0.45 CA	30	A	26 02 62601	50
FP 30/0.45 CA	30	A	26 02 62610	100
FP 30/0.45 CA	30	A	26 02 62600	500

① Available only in original packaging units. No fractions possible.

③ Filterholders for syringes for difficult-to filter solutions

Deep filters made of glass microfibre and used as prefilters retain coarse particles. Ready-to-use filter units with integrated glass microfibre prefilters for intercepting the coarse particles and membrane filters for filtering the finer contamination. The combination of filters offers increased throughflow for less effort.

Cellulose-acetate membranes have an extremely low binding capacity for proteins.

Regenerated cellulose membranes have excellent chemical stability against organic solvents and can therefore be used for cleaning both aqueous and organic solutions.

Cellulose-nitrate membranes are membrane filters which are suitable for diverse applications involving the filtration of aqueous solutions.

Hydrophobic PTFE filters are used for the transparent filtration of aggressive organic solvents.

Type	Housing type	Order No.	PU pc/Pack
Celtron 30/0.2 CA-GF92	A	26 02 62252	50
Celtron 30/0.45 CA-GF92	A	26 02 62257	50
Celtron 30/0.45 CA-GF92	A	26 02 62258	500
Celtron 30/0.45 CA-GF92	A	26 02 62259	100
Celtron 30/0.45 CN-GF51	A	26 02 62270	500
Celtron 30/0.45 RC-GF51	A	26 02 62271	100
Celtron 30/0.45 RC-GF92-TG100	A	26 02 62272	100

① Available only in original packaging units. No fractions possible.



④ Sample filtration in trace analysis

Applications:

- Filtration of aqueous samples in the determination of CSB, TOC; DOC

Features:

- Low blank values thanks to pre-flushed, hydrophilic cellulose-acetate membrane

Type	Housing type	Order No.	PU pc/Pack
Aquatron 30/0, 45 CA	A	26 02 62650	500
Aquatron 30/0, 45 CA	A	26 02 62655	100

❗ Available only in original packaging units. No fractions possible.

For residue analyses

- Filter cakes used for microscopic analyses
- Complete units with olive-type hose connection, 125 ml attachment and collecting container, both graduated
- Fast filtration thanks to replaceable Ø 50 mm mixed ester membrane filter with glass microfibre prefilter

Article	Order No.	PU pc/Pack
Disposable filter unit VACUFLO PV 050/3	26 02 60503	10
Disposable filter unit VACUFLO PV 050/2	26 02 60502	10

❗ Available only in original packaging units. No fractions possible.



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⑤ Filter holder for syringes for preparing HPLC samples

Spartan

- Versatile ready-to-use filter unit with a hydrophilic membrane made of regenerated cellulose with minimum protein binding capacity
- First rate chemical resistance against conventional aqueous and organic HPLC solvents
- Spartan 13 and 30 are tested and certified at wavelengths of 210 and 254 nm for UV absorbent substances with water, methanol and acetonitrile, which means batch-for-batch quality. See www.schleicher-schuell.de/Zertifikate for the chromatogram for each batch.
- Spartan 13 has an extra-low dead volume of < 10 µl for the optimized use of small sample volumes

Applications:

- Ideal for HPLC sampling preparation to achieve reproducible results, guaranteed minimum amounts of UV absorbent, extractable elements

Membrane/Housing: RC/PP
Connection in/out: LLW/LM

Article	Ø mm	Pore size µm	Color code	Order No.	PU pc/Pack
Spartan 13/0.2 RC	13	0.2	Dark brown	26 02 63040	100
Spartan 13/0.2 RC	13	0.2	Dark brown	26 02 63042	500
Spartan 13/0.45 RC	13	0.45	Light brown	26 02 63030	100
Spartan 13/0.45 RC	13	0.45	Light brown	26 02 63032	500
Spartan 30/0.2 RC	30	0.2	Dark brown	26 02 63060	100
Spartan 30/0.2 RC	30	0.2	Dark brown	26 02 63062	500
Spartan 30/0.45 RC	30	0.45	Light brown	26 02 63050	100
Spartan 30/0.45 RC	30	0.45	Light brown	26 02 63053	50
Spartan 30/0.45 RC	30	0.45	Light brown	26 02 63052	500

❗ Available only in original packaging units. No fractions possible.

Filtration of cell culture media

ZapCap®

Applications:

- Cellulose-acetate membrane filter (CA) with extremely low protein binding for cell culture media and other aqueous solutions.

Features:

- Complete 500 ml units with olive-type connection for attaching bottles (bottle top).
- Connection seals against all standard 33 mm – 45 mm bottles.
- With integrated borosilicate prefilter for very high flow rates.

Article	Order No.	PU pc/Pack
Filter unit Zap Cap S 0.2 CA	26 02 60602	12
Filter unit Zap Cap S 0.45 CA	26 02 60604	12
Filter unit Zap Cap 0.45 NL	26 02 60614	12

❗ Available only in original packaging units. No fractions possible.



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