GE Healthcare
Life Sciences

GD/XP Syringe Filters

Whatman GD/XP Disposable Syringe Filters are designed for use with hard-to-filter samples that require inorganic ion analysis, as levels of ion extractables are minimized.

GD/XP Syringe Filters contain three filtration layers, including a two layer prefilter stack comprised of 20 µm and 5 µm polypropylene filters and a final membrane filtration layer positioned below the prefilter stack.

GD/XP Syringe Filters benefits:

- Increase flow rates and reduce blockage as a result of the two layer prefilter stack
- Eliminate sample contamination
- Requires less hand pressure, even for samples with a high level of particulates
- Process three to seven times more sample volume
- Reduce costly exchanges with extended filter life

Applications

- HPLC sample preparation
- Trace metal analysis
- Sample preparation prior to dissolved heavy metals

Table 1. Characteristics of GD/XP Syringe Filters

Housing	Polypropylene (pigment-free)
Filtration Area	4.6 cm^2
Maximum Pressure	5.2 bar (75 psi)
Volume 'Hold-Up':	
Full Housing	1.4 ml
With Air Purge	250 µl (approx
Dimensions	20.8 x 30.0 mm
Weight	3 g (approx)
Flow Direction	Flow should enter from the inlet
Inlet Connection	Female luer lock
Outlet Connection	Male luer
Sterilization	Autoclave at 121°C (131°C max) at 15 psi for 20 min
Biosafe	All materials pass USP Class VI
Prefiltration Media	PP 20 µm : 5 µm



Fig 1. 25 mm diameter GD/XP Syringe Filters are outstanding for inorganic ion analysis

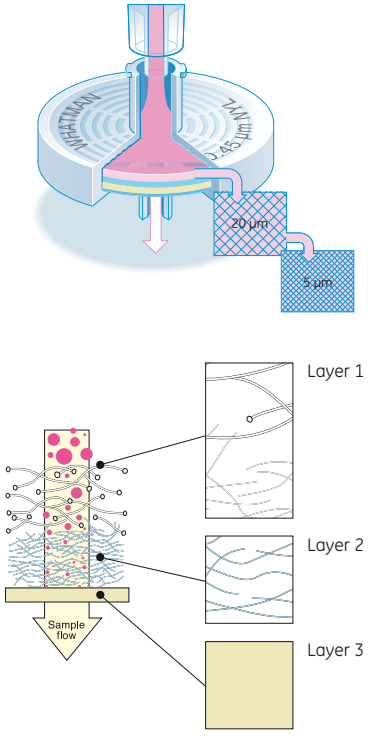


Fig 2. GD/XP Syringe Filters contain 3 filtration layers which substantially reduce blockage and increase volume throughput. Layer 1 is a 20 µm polypropylene filter; layer 2 is a 5 µm polypropylene filter; layer 3 is the membrane filter, such as nylon, PVDF, PTFE, etc., which filters down to 0.45 µm.

Polydisc GW and Polycap GW related products

Polydisc™ GW and Polycap™ GW have been developed for the preparation of larger volumes of groundwater samples for the analysis of dissolved heavy metals. The Polydisc GW and Polycap GW feature a stepped hose barb connection on the inlet and outlet for easy fitting with various tube sizes.

A.



B.



Fig 3. (A) Polydisc GW has a filtration area of 20.4 cm^2. (B) Polycap GW is larger with a filtration area of 600 cm^2.

Ordering information

Product	Quantity	Code No.
GD/XP Syringe Filters		
GD/XP 25, 0.45 µm nylon	150	6970-2504
GD/XP 25, 0.45 µm nylon	1500	6971-2504
GD/XP 25, 0.45 µm PES	150	6994-2504
GD/XP 25, 0.45 µm PES	1500	6995-2504
GD/XP 25, 0.45 µm PVDF	150	6972-2504
GD/XP 25, 0.45 µm PVDF	1500	6973-2504
GD/XP 25, 0.45 µm PP	150	6978-2504
GD/XP 25, 0.45 µm PTFE	150	6974-2504
GD/XP 25, 0.45 µm DpPP	150	6993-2504
Polydisc GW and Polycap GW		
Polydisc GW, 0.45 µm nylon + quartz fiber	20	10 463 400
Polydisc GW, 0.45 µm nylon + quartz fiber	50	10 463 401
Polycap GW, 0.45 µm PES	1	6714-6004
Polycap GW, 0.45 µm PES	100	6724-6004

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28-9910-72 AA 01/2011