

Whatman™ filtration Polycap, Polydisc and PolyVENT membrane and application decision chart

Cytiva provide a wide range of disc and capsule filters for; larger volumes between 1L–150L, inline filter-degassers, venting protection and equipment protection devices, to address a spectrum of laboratory filtration needs.

From small research facilities to high-throughput labs, determine the best filter device by using the chart below and cross referencing the application and membrane type.

	Aqueous						Solvent				
	PES	GMF/ PES	Quartz/ Nylon	GMF/ Nylon	Nylon	PP	Depth PP	PTFE	Desiccant or Carbon/PTFE	Carbon/ GMF	GMF
Mobile phase Inline filter devices for degassing aqueous or solvent solutions used as the carrier phase in analytical equipment	-	-	-	-	Aqueous IFD	Solvent IFD	-	-	-	-	-
Aqueous Filtration of water-based solutions like buffers, growth media, and reagents	Polycap TC	Polydisc AS Polydisc SPF Polycap SPF	-	Polycap AS	-	-	Polydisc HD Polycap HD	-	-	-	-
Solvent Filtration of solutions such as alcohols, organic solvents, cleaning solvents, oils and polymers	-	-	-	-	-	-	Polydisc HD Polycap HD	Polydisc TF Polycap TF ReZist™	-	-	-
Venting/inline gas filtration Equipment protection, exhaust filtration, and venting of culture vessels, incubators, lyophilizers, hoods and pumps	-	-	-	-	-	-	-	PolyVENT	-	-	-
Vacuum protection Vacuum protection from particulate and/or water-intrusion in applications involving aspiration, vacuum filtration, pumps and house vacuum	-	-	-	-	-	-	-	VACU-GUARD 50/60	VACU-GUARD 150	Carbon CAP	HEPA-VENT HEPA-CAP
Ground-water Filtration of particulate in surface and deep-well water samples prior to total dissolved metals analysis	Polycap GW	-	Polydisc GW	-	-	-	-	-	-	-	-

PES = Polyethersulfone
GMF = Glass microfiber

PP = Polypropylene
PTFE = Polytetrafluoroethylene

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