



Filter units, capsules, Polycap™

Whatman
Part of GE Healthcare



75

Efficient filtration of critical biological solutions for pharmaceutical aqueous solutions, tissue culture media, reagent preparation, virus suspensions, particle counting solutions, cleaning, rinsing solutions.

Typically filters 1L to 20L of solution through simple connection into tubing lines.

Polycap™ AS

Provides rapid filtration of tissue culture and aqueous salt solutions, immunologicals, virus suspensions, buffers, nutrients and cleaning/rinsing solutions.

Polycap™ TF

Provides rapid filtration of larger scale solvents and aggressive solutions.

Polycap™ HD

Ideal for removing larger particles from water or solutions likely to contain non-specific binding components. Also suitable for removal of particles in air or for pre-filtration or reverse osmosis applications.

Polycap™ TC

Low protein binding polyethersulfone membrane.

Pre-sterilised, vented to evacuate air for fast filtration and capsule outlet is protected to prevent touch contamination.

Chemical compatibilities at 20°C

	Polycap™ AS	Polycap™ TF	Polycap™ HD	Polycap™ TC
Dilute acid	LR	R	R	R
Concentrate acid	NR	R	NR	NR
Alcohols	R ¹	R	R	R
Aldehydes	NR	MR	LR	NR
Bases	R	R	R	R
Esters	LR	LR	LR	LR
Hydrocarbons (aliphatic or aromatic)	R	NR	MR	-
Hydrocarbons (aromatic)	NR	LR	LR	NR
Hydrocarbons (halogenated)	LR	LR	LR	LR
Ketones and strong oxidising agents	NR	R	MR	NR

¹ Selected alcohols/hydrocarbons (halogenated) only

R: Resistant

LR: Low Resistance

MR: Moderate Resistance

NR: Non Resistant

All materials of construction are biosafe (USP class VI).

GMF: Glass microfibre

PP: Polypropylene

N: Nylon

PTFE: Polytetrafluoroethene

Users are recommended to evaluate the specific product and application to determine its suitability

SB = Stepped barb for 6mm to 10mm tubing

1/2 inch SB = Stepped barb for 10mm to 12mm, 3/8 inch to 1/2 inch tubing

MNPT = Male National Pipe Thread

For the full range of Whatman Polycap AS, TF and HD, please visit our website.

Some capsules are available with filling bell for cleanliness assurance during filling.

Catalogue No	Alt. No	Description	Membrane	Housing	Pre-filter	Pore size, µm	Filtration area, mm ²
FDP-690-010A	6705-3602	Polycap™ 36 AS	N	PP	GMF	0.2	40,000
FDP-690-030R	6705-3604	Polycap™ 36 AS	N	PP	GMF	0.45	40,000
FDP-690-130N	6705-7502	Polycap™ 75 AS	N	PP	GMF	0.2	82,000
FDP-695-010Q	6700-3602	Polycap™ 36 TF	PTFE	PP	-	0.2	50,000
FDP-695-030K	6700-3610	Polycap™ 36 TF	PTFE	PP	PP	1.0	50,000
FDP-700-010J	6700-7502	Polycap™ 75 TF	PTFE	PP	-	0.2	100,000
FDP-700-030D	6700-7504	Polycap™ 75 TF	PTFE	PP	-	0.45	100,000
FDP-700-050U	6700-7501	Polycap™ 75TF	PTFE	PP	-	0.1	100,000
FDP-700-070X	6700-7510	Polycap™ 75TF	PTFE	PP	-	1.0	100,000
FDP-710-010C	6703-3610	Polycap™ 36 HD	PP	PP	-	1.0	40,000
FDP-710-030T	6703-3611	Polycap™ 36 HD	PP	PP	-	10.0	40,000
FDP-710-050N	6703-3621	Polycap™ 36 HD	PP	PP	-	20.0	40,000
FDP-710-070H	6703-7510	Polycap™ 75 HD	PP	PP	-	1.0	82,000
FDP-730-030F	6703-7550	Polycap™ 75 HD	PP	PP	-	5.0	82,000
FDP-730-070Q	6703-7521	Polycap™ 75 HD	PP	PP	-	20.0	82,000
FDP-740-030V	6703-9502	Polycap™ 150 HD	PP	PP	-	0.2	1,650,000
FDP-740-050P	6703-9504	Polycap™ 150 HD	PP	PP	-	0.45	1,650,000