



Life Sciences

USD 2208b

A close-up photograph of a SUPRAcap 60 Depth Filter Capsule. The capsule is a white, cylindrical component with a ribbed exterior. It features several ports: a central top port, a side port, and a bottom port. The background is a gradient of blue and purple.

SUPRAcap™ 60 Depth Filter Capsule
Small Volume and Scalable

Filtration. Separation. Solution.™

SUPRAcap 60 Depth Filter Capsule

Small Volume and Scalable

SUPRAcap 60 capsules are designed for developing and optimizing a process during scale-up and scale-down studies. They can be used to quickly and accurately determine which series and grade of depth filter media will provide the best performance as well as the necessary filtration area required to meet process volume.



SUPRAcap 60 Depth Filter Capsule

SUPRAcap 60 capsules are readily scalable to Pall **SUPRAcap** 100 capsules, **SUPRADisc** I, and **SUPRADisc** II depth filter modules. **SUPRAcap** 60 capsules are also available with Seitz® HP sheet media (double-layer) that scales to Pall **SUPRADisc** HP filter modules. **SUPRAcap** 60 capsules are available with a wide selection of **Seitz** depth filter media for optimal grade selection.

High Quality Standards

- Batch tested in order to meet all quality requirements
- Manufactured under a Quality Management System certified to ISO 9000
- All plastic components used in construction meet the specifications for Biological Reactivity Tests *in vivo* for Class VI Plastics (121 °C) as described in the current United States Pharmacopoeia (USP).

Fields of Application

- Cell harvesting
- Clarification of fermentation broth
- Antibiotics
- Serum
- Blood products
- Vaccines
- Plant extracts

Pall UpScaleSM Program

From drug discovery and basic research, through process development and production, Pall Corporation is the single source for all your filtration and separation needs. Our **UpScale** program provides you with the scalable products and support you need to bring new products to market faster.



SUPRAcap 60 HP Depth Filter Capsule

SUPRAcap 60 Depth Filter Capsule

Technical Specifications

Typical¹ Values for Ions after Flushing with 50 L/m² WFI (SUPRAcap 60 HP with 100 L/m² WFI)

Ca	Mg	Fe	Cu	Al	Ni
< 0.5 ppm	< 0.1 ppm	< 0.1 ppm	< 0.1 ppm	< 50 ppb	< 10 ppb

¹ The tests were carried out according to the methods of the Technical/Analytical Work Group within the European Depth Filter Association, or in accordance with in-house test methods.

Materials of Construction

Media	Cellulose base ²
Capsule	Polycarbonate
Vent	Polypropylene
Sealing technology	Thermal bonding

² See ordering information.

Operating Parameters³

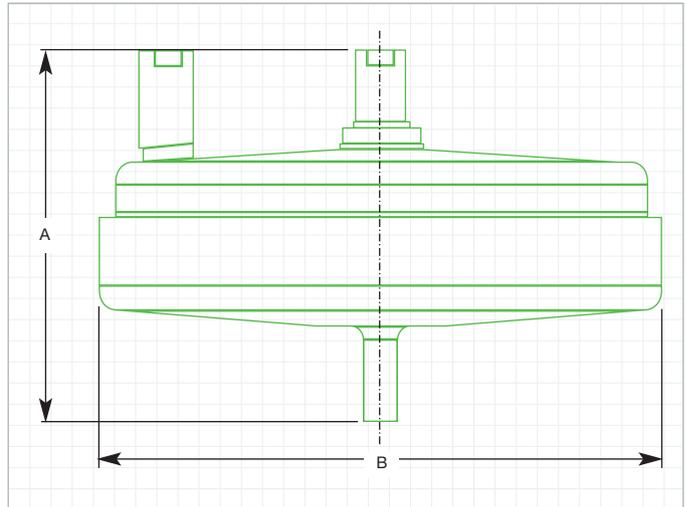
Max operating pressure and temperature	3 bar (44 psi) at 40 °C (104 °F)
Max differential pressure	1.5 bar (22 psi)

³ In compatible fluids which do not soften, swell or adversely affect the filter or its materials of construction.

Sterilization

Autoclaving at 125 °C (275 °F) 1 cycle x 30 minutes

Nominal Dimensions

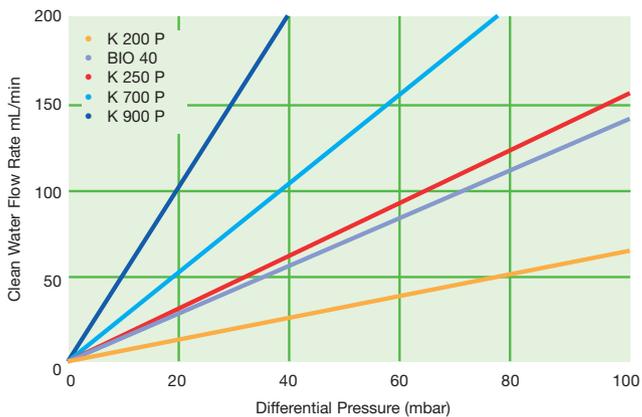
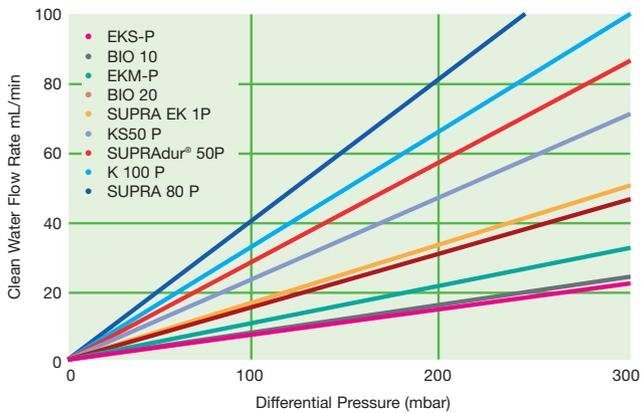


A	SUPRAcap 60 single layer SUPRAcap 60 HP	32.5 mm ± 2 mm 36 mm ± 2 mm
B	75 mm (2.95 in)	

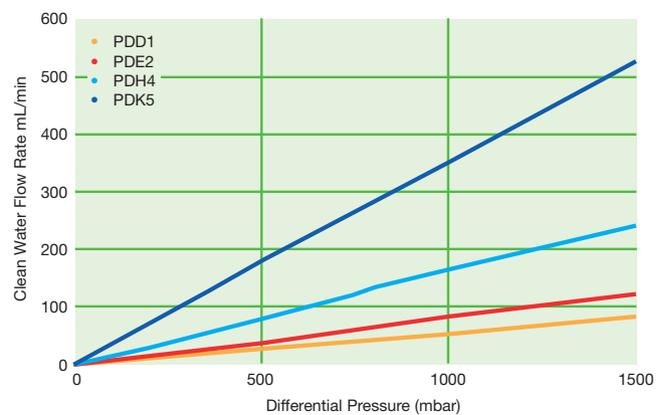
Typical Filtration Area

26 cm² (4.04 in²)

Typical Flow Rates for SUPRAcap 60



Typical Flow Rates for SUPRAcap 60 HP



SUPRAcap 60 Depth Filter Capsule

Technical Specifications

Ordering Information

SUPRAcap 60 Part Number*: SC060

Code ⁵	Depth Filter Type	Typical Water in Permeability L/min/m ² @ Δp 1 bar (14.5 psid)	Nominal Retention Rating in μm	Ash Content in %	Endotoxin Level in EU/ml before Rinsing
PDD1	PDD1	25	0.1 – 0.85	52	< 0.06
PDE2	PDE2	35	0.2 – 3.5	47	< 0.06
PDH4	PDH4	93	0.5 – 15.0	45	< 0.06
PDK5	PDK5	151	1.5 – 20.0	45	< 0.06
PEKS	EKSP	29	0.1 – 0.3	58	< 0.06
PEKM	EKMP	41	0.2 – 0.5	48	< 0.06
PEK1	SUPRA EK1P	64	0.2 – 0.5	47	< 0.06
P050	KS 50P	93	0.4 – 0.8	46	< 0.06
P080	SUPRA 80P	159	1.0 – 3.0	49	< 0.06
P100	K100P	149	1.0 – 3.0	45	< 0.06
P200	K200P	217	3.0 – 6.0	43	< 0.06
P250	K250P	535	4.0 – 9.0	44	< 0.06
P700	K700P	935	6.0 – 15	45	< 0.06
P900	K900P	1980	8.0 – 20.0	45	< 0.06
B010	BIO 10	30	0.2 – 0.4	< 1	< 0.06
B020	BIO 20	75	0.4 – 1.0	< 1	< 0.06
B040	BIO 40	1135	4.5 – 12.0	< 1	< 0.06
XEK1	EK1	41	0.2 – 0.4	51	NA
XEK	EK	68	0.3 – 0.5	46	NA
X050	KS50	93	0.4 – 0.8	46	NA
X080	KS80	113	0.6 – 2.0	46	NA
X100	K100	146	1.0 – 3.0	46	NA
X150	K150	185	2.5 – 4.0	46	NA
X200	K200	213	3.0 – 6.0	46	NA
X250	K250	510	4.0 – 9.0	46	NA
X300	K300	785	5.0 – 12	46	NA
X700	K700	925	6.0 – 15.0	46	NA
X900	K900	1700	8.0 – 20.0	46	NA
T950	T950	1700	8.0 – 20.0	40	NA
T100	T1000	3400	10 – 25	35	NA
T150	T1500	7285	11 – 30	33	NA
T210	T2100	10200	13 – 35	13	NA
T260	T2600	10200	15 – 40	< 1	NA
T350	T3500	12750	19 – 50	13	NA
T550	T5500	25500	25 – 70	< 1	NA

NA = Not Applicable as endotoxin content is not a measured criteria for these sheets

⁴ Two filters per box

⁵ Other grades available on request

Important Note:- Use of this product in a manner other than in accordance with Pall's current recommendations may lead to injury or loss. Pall cannot accept liability for such injury or loss. Because of developments in technology, these data and/or procedures are subject to continual review and update. Please contact Pall for additional information.



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SM/04.2007