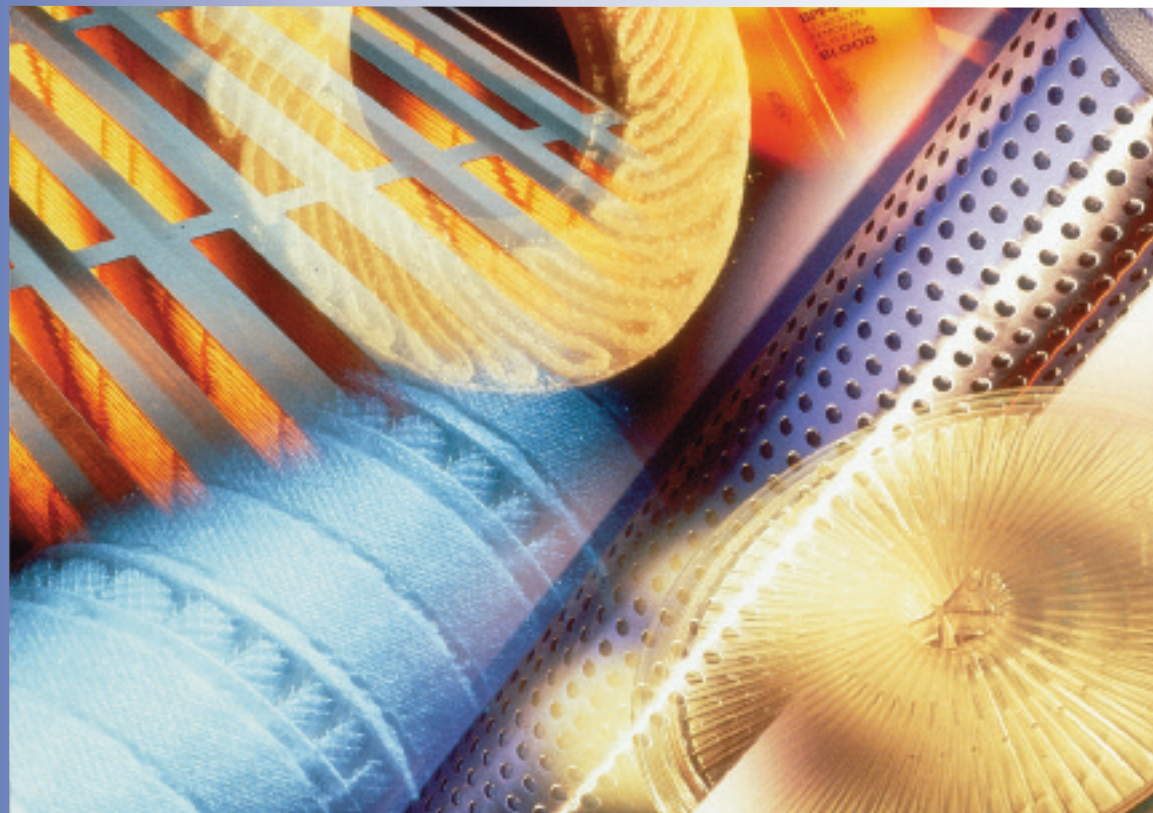




Pall Corporation

PALL FILTER SELECTION GUIDE

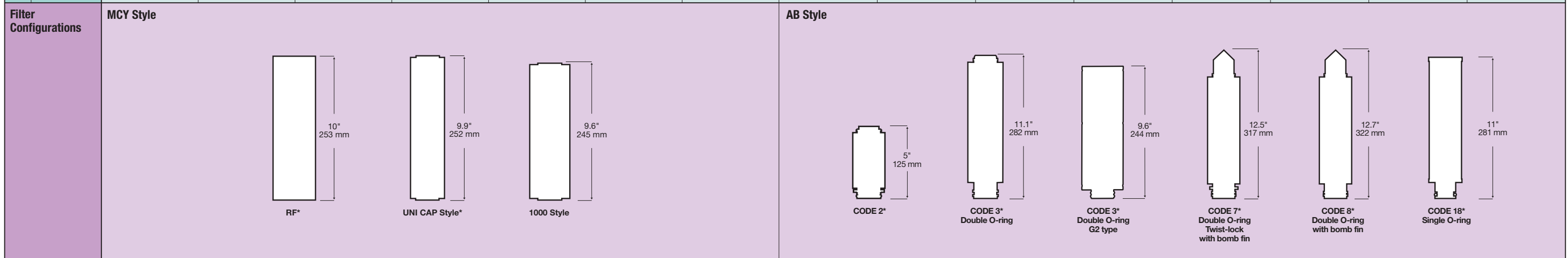


Family of Filters	HDC® II		Ultipleat® High Flow		Profile® UP		Profile® II		Profile® II Nylon		Profile® Star		Ultipor® GF Plus		
Removal rating with related media code (µm)	µm	Grade	µm	Grade	µm	Grade	µm	Grade	µm	Grade	µm	Grade	µm	Grade	
<1.0	J006		HDC II		2	UY020	0.3	003	3	030	1.5	A015	1	U010Z	
1.2	J012		6	J060	4.5	UY045	0.5	005	5	050	3	A030	2	U2-20Z	
2.5	J025		10	J100	6	UY060	0.7	007	7	070	5	A050	3	U030Z	
4.5	J045		20	J200	10	UY100	1	010	10	100	10	A100	6	U6-40Z	
6	J060		Profile®UP			20	UY200	2	020	15	150	15	A150	10	U100Z
10	J100		2	UY020	30	UY300	3	030	20	200	20	200	20	U200Z	
20	J200		4.5	UY045	40	UY400	5	050	30	300	30	300	20	U200Z	
40	J400		10	UY100	50	UY500	7	070	40	400	40	400	40	U400Z	
70	J700		20	UY200	70	UY700	10	100	70	700	70	700			
			40	UY400	100	UY1000	12	120	90	900	90	900			
			70	UY700			15	150							
			100	UY1000			20	200							
			Ultipor®GF Plus					30	300						
			2	GF020			40	400							
			10	GF100			70	700							
			20	GF200			90	900							
							120	1200							
Medium Material	Polypropylene		Polypropylene		Polypropylene		Polypropylene		Nylon 6		Polypropylene		Glass fiber with binder resin (positive zeta potential)		
Support Layers	Polypropylene		Polypropylene		Polypropylene		N/A		N/A		N/A		Polyester		
Cage/Wrap	Polypropylene		Polypropylene		Polypropylene		Polypropylene (AB or MCY)		N/A		Polypropylene		Polypropylene		
Core	Polypropylene		Polypropylene		Polypropylene		Polypropylene		Glass-filled nylon		Polypropylene		Polypropylene or stainless steel (above U030Z)		
End Caps	Polypropylene		Polypropylene Acetal		Polypropylene		Santoprene (RMF) or polypropylene (AB or MCY)		N/A		Polypropylene		Polypropylene or stainless steel (above U030Z)		
Sealing Method	Melt sealed		Melt sealed		Melt sealed		Melt sealed		N/A		Melt sealed		Melt sealed or epoxy resin		
Filter Styles	Elements	AB, MCY		HFU		AB UNICAP		AB, RF RMF, MCY		RF		AB		AB, MCY(S) Junior	
	Disposable Assemblies	DFA MAC						MAC				DFA MAC			
Filter Configurations	HFU Style											Junior Style			
	<p>Ultipleat High Flow</p>											<p>Junior 4463</p>			

Dimensional drawings are just for customer reference only. All dimensions nominal.
*Available in additional lengths

Pall Filter Media and Cartridge Styles

Family of Filters	Ultipor® GF-HV	Ultipor® N ₆₆	Posidyne®	Posidyne® UP	Ultipleat® P-Nylon	Fluorodyne®	Fluorodyne® VA	Ulti-Etch	Emflon®	P Emflon®	Emflon® PF	UltiKleen™ CDS	UltiKleen™ S	UltiKleen™, UltiKleen™ G2	UltiKleen™, UltiKleen™ G2 Excellar	
Removal rating with related media code (µm)	µm Grade 0.1 ZU001Z 0.2 ZU002Z 0.45 ZU0045 0.7 ZU007Z 1 ZU010Z	µm Grade Particulate removal 0.1 NI(Y) 0.2 NA(Y) 0.45 NB Microbial removal 40 nm ND 0.1 NT 0.2 NR(Y) NR(S) NF 0.45 NX NL (Y) : Solvent-resistant (S) : Solvent-extracted	µm Grade Particulate removal 0.1 NIZ 0.2 NAZ 0.45 NBZ Microbial removal 0.1 NTZ 0.2 NFZ 0.45 NLZ	µm Grade 40 nm UNZDZ 0.1 UNIZ	µm Grade 10 nm AN01 20 nm ANM 40 nm AND 0.15 AN15 (Asymmetric media) 0.1 UNI 0.2 UNA (AB only)	µm Grade 40 nm V0004EY 0.1 V001EY 0.2 V002EY	µm Grade 0.2 VA	µm Grade 0.1 UVI *recirculation	µm Grade Particulate removal 0.05 FD(S) 0.1 FT(S) 0.2 FR(S) 0.45 FX(S) 1 FN(S) Gas 0.003 FR(S) Aerosol 0.2 PFA 0.45 FX(S) 1 FN Microbial removal 0.2 FR(S) 0.2 PFR (S) : Solventresistant Low extractables	µm Grade 0.05 UFD 0.1 UFT 0.2 UFR 0.45 UFX	µm Grade 0.05 F0005 0.1 F001 0.2 F002 1 F010 5 F050 10 F100	µm Grade 0.05 UFD 0.1 UFT 0.2 UFR	µm Grade 0.05 UKFD 0.1 UKFT 0.2 UKFR	µm Grade 0.05 UCFD 0.1 UCFT 0.2 UCFR 1 UCFN (UltiKleen only)	µm Grade 30 nm GPQ 0.05 GPD	
Medium Material	0.1, 0.2, 0.7µm: Resin-bonded glass and aramid fiber blend matrix on a polyester substrate 0.45, 1µm: Resin-bonded glass fiber media matrix on a polyester substrate	Nylon 6,6	Nylon 6,6 (modified for positive zeta potential); epoxy resin (cross-linked)	Nylon 6,6 (modified for positive zeta potential)	Nylon 6,6	Hydrophilic PVDF	Hydrophilic PVDF	Hydrophilic PVDF	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	Surface Modified PTFE	
Support Layers	Polypropylene Polyester	Polyester or polypropylene (Y)	Polyester	Polyester	High Density Polyethylene (HDPE)	Polypropylene	Polypropylene	Polypropylene	Polypropylene	High Density Polyethylene (HDPE)	FEP bonded PTFE	PTFE/PFA	PTFE	PTFE/PFA PTFE (G2)	PTFE	
Cage/Wrap	Polypropylene	Polypropylene	Polypropylene	Polypropylene	High Density Polyethylene (HDPE)	Polypropylene	Polypropylene	Polypropylene	Polypropylene	High Density Polyethylene (HDPE)	PFA	PFA	PFA	PFA	PFA	
Core	Polypropylene	Polypropylene	Polypropylene	Polypropylene	High Density Polyethylene (HDPE)	Polypropylene	Polypropylene	Polypropylene	Polypropylene	High Density Polyethylene (HDPE)	PFA	PFA	PFA	PFA	PFA	
End Caps	Polypropylene	Polyester or polypropylene (Y)	Polyester	Polyester	High Density Polyethylene (HDPE)	Polypropylene	Polypropylene	Polypropylene	Polypropylene	High Density Polyethylene (HDPE)	PFA	PFA	PFA	PFA	PFA	
Sealing Method	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	
Filter Styles	Elements	AB, MCY	AB, MCY Junior	AB, MCY	AB	AB, MDD	AB	AB, MCY, MDY	AB	AB, MCY Junior	AB	AB Junior	AB	AB, MR	AB	AB
	Disposable Assemblies	DFA	DFA			DFA	DFA			DFA	DFA	KC			KC	KC



Dimensional drawings are just for customer reference only. All dimensions nominal.

*Available in additional lengths

Family of Filters	UltiKleen™ G3 HiT KC UltiKleen™ G2 HiT KC	UltiKleen™ SPM KC, UltiKleen™ G2 SPM KC	UltiKleen™ STP, UltiKleen™ G2 STP	UltiKleen™ STG, UltiKleen™ G2 STG	Falcon®	PE Falcon®	PE-Kleen	IonKleen™ SL	IonKleen™ AQ	IonKleen™ AQHT	Varafine™ VFHA	Water-Fine	Ultipleat® SP DR Ultipleat® G2 SP DR	PallCell	Epoce!®
Removal rating with related media code (µm)	nm Grade 15 nm HGP15	µm Grade 0.05 SPMD (LDFV only) 0.1 SPMT 0.2 SPMR	µm Grade 0.05 STQD 0.1 STQT 0.2 STQR	µm Grade 0.1 STGT 0.2 STGR 10 STGE (LDFG or LDFV only) 50 STGM (LDFG or LDFV only)	µm Grade 0.05 UFD 0.1 UFT 0.2 UFR	µm Grade 30 nm UG003 0.05 UG005 1 UG100	µm Grade 5 nm UG5 10 nm UG001 30 nm UG003 0.05 UG005 1 UG100	meq Grade > 80 SRP (ABD1) > 16 SRP (DFA1)	meq Grade > 45 UPW (ABD1) > 8 UPW (DFA1)	meq Grade > 41 HUPW	µm Grade 0.05 050 0.1 100 0.2 200 0.45 450 0.65 650 0.8 800 1.2 1200	µm Grade 0.05 0.05 0.1 0.1 0.2 0.2 0.45 0.45 0.65 0.65 0.8 0.8 1.2 1.2	nm Grade 10 nm HSVH 30 nm UHSQ	µm Grade Liquid 8 DC 14 DE 35 DG Gas 0.5 DC 3 DE 10 DG	µm Grade Liquid 23 EC 30 EE 49 EG Gas 0.9 EC 5 EE 23 EG
Medium Material	Surface Modified PTFE	PTFE	PTFE	PTFE	PTFE	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)	Modified ultra high molecular weight polyethylene (UHMWPE)	Modified ultra high molecular weight polyethylene (UHMWPE)	Modified ultra high molecular weight polyethylene (UHMWPE)	Proprietary highly asymmetric polysulfone	Proprietary highly asymmetric polysulfone	Proprietary highly asymmetric polyarylsulfone	Cellulose	Epoxy impregnated cellulose
Support Layers	PFA/PTFE	PFA	PFA	PFA	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)	Polypropylene	Polyester	Polypropylene	Polyethylene	N/A	N/A
Cage/Wrap	PFA	PFA	PFA	PFA	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)-ABD Polypropylene-DFA	High Density Polyethylene (HDPE)-ABD Polypropylene-DFA	Polypropylene	Polypropylene	Polypropylene	Polyethylene	Polypropylene	N/A
Core	PFA	PFA	PFA	PFA	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)-ABD Polypropylene-DFA	High Density Polyethylene (HDPE)-ABD Polypropylene-DFA	Polypropylene	Polypropylene	Polypropylene	Polyethylene	Polypropylene	N/A
End Caps	PFA	PFA	PFA	PFA	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)	High Density Polyethylene (HDPE)-ABD Polypropylene-DFA	High Density Polyethylene (HDPE)-ABD Polypropylene-DFA	Polypropylene	Polypropylene	Polypropylene	Polyethylene	Polypropylene	Polypropylene or stainless steel
Sealing Method	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	High Density Polyethylene (HDPE)	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed	Melt sealed or epoxy resin
Filter Styles	Elements		AB	AB	MCD	MCD	AB MCD MDD	ABD	ABD	AB	M3, M5, M7, M8, DOE	M3, M5, M7, M8	AB	AB, MCY Junior	MCY Junior
	Disposable Assemblies	KC	KC	KC	KC		DFA	DFA	DFA						

Filter Configurations

Assembly

2.8" 71 mm
4.5" 114 mm
DFA*

2.28" 58 mm
3.94" 100 mm
MAC*

17" 430 mm
KC*

440 mm
G2-KC*

456 mm
G3-KC*

Dimensional drawings are just for customer reference only. All dimensions nominal.
*Available in additional lengths

The data given herein are the mean values obtained under specific conditions. The results derived from the utilization of the information contained herein as well as the safety of the products shall not be guaranteed. Before the actual installation, please check to ensure that the products are appropriate and safe for your planned use. Also, all content contained herein is subject to change without prior notice.



Family of Filters	Segmet, Segmax	Rigimesh®	PMM®	PSS®	PMF	Liquid/Liquid Coalescer	SepraSol™ Liquid/Gas Coalescer, SepraSol™ Plus Liquid/Gas Coalescer
Removal rating with related media code (µm)	µm Grade	µm Grade	µm Grade	µm Grade	µm Grade	AquaSep®	µm Grade
	Segmet					PhaseSep®	SepraSol™ Liquid/Gas Coalescer 0.003wtppm downstream liquids
	2.5 FS025	18 RK	2 M020	5 S050	2.5 FH025	Separator	SepraSol™ Plus Liquid/Gas Coalescer 0.01wtppm downstream liquids
	5 FS050	25 RJ	5 M050	10 S100	5 FH050		
	10 FS100	45 RM	10 M100	20 S200	8 FH080		
	15 FS150	70 RR	15 M150	35 S350	10 FH100		
	20 FS200	105 RS	20 M200		15 FH150		
	25 FS250	225 RT			20 FH200		
	30 FS300	450 RA			25 FH250		
	30 FS300				30 FH300		
	30 FS300				40 FH400		
	Segmax						
	8 H080						
	15 H150						
	25 H250						
	55 H550						
Medium Material	FS : 316L stainless steel fiber H : 316L stainless steel sintered powder	304L stainless steel mesh 316L stainless steel mesh	316L stainless steel mesh/powder	316L stainless steel / powder	316L stainless steel fiber	Polyester - AquaSep (Glass fiber used in part of pre-filter) Fluoropolymer - PhaseSep	Resin-bonded glass fiber
Support Layers	N/A	N/A	N/A	N/A	304L stainless steel 316 stainless steel	Polymer	Polyester
Cage/Wrap	N/A			N/A	316 stainless steel	304 stainless steel	PVC coated glass mesh 316L stainless steel mesh
Core	N/A	304 stainless steel 316L stainless steel	304 stainless steel 316L stainless steel	N/A	304L stainless steel 316 stainless steel	304 stainless steel	Stainless steel or 316 stainless steel
End Caps	N/A	304 stainless steel 316L stainless steel	304 stainless steel 316L stainless steel	316L stainless steel for MBS 304L stainless steel for threaded type	304L stainless steel 316L stainless steel	304 stainless steel *Fluoropolymer is available for PhaseSep.	Polyfine or 303 stainless steel or 316 stainless steel
Sealing Method	Welded	Welded	Welded	Welded	Welded	Epoxy resin *polycapped	Melt Sealed
Filter Styles	Elements	Disc	MBS Threaded type	MBS Threaded type	MBS Threaded type	MBS Threaded type	
	Disposable Assemblies						

Filter Configurations	Segment	MBS	Threaded type	Coalescer
	Segmet, Segmax	PSS	PSS, PMF	Liquid/Liquid Coalescer, Liquid/Gas Coalescer*

Sealing Style	Gasket Seal		
	 DOE (Double Open End) Gaskets seal at both ends	 EPR Gaskets are attached	 DOE (Double Open End) Santprene gaskets are heat-sealed on both ends.
O-ring Seal		Crush Seal	
 SOE (Single Open End)	 SOE (Single Open End) Flow : from Inlet to Outlet for large flow rate	 Crush Seal No Gasket	



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PHASESEP®Coalescer : EP 930,926; US 5,480,547; US 6,332,987
PROFILE®II Filter media : EP 433,661; US 5,133,878
ULTIKLEEN™ prewet filters : EP 804,366; US 5,928,516; US 6,174,439; US 6,338,798; US 6,423,226
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