

SPD Vent

Sterile Process Design Vent for Inline UltraCap® H.D.



SPD Vent

The new Sterile Process Design (SPD) vent has been optimized for use in critical single-use sterile filtration processes and offers a number of new features for the inline UltraCap® H.D. capsule filter. The large knurled knob provides easy manipulation with gloved hands while multi-turn flow initiation allows for precise metering of flow during venting operations. The SPD vent is a fully captured assembly that is impossible for operators to accidentally over-actuate, damage or remove from the filter during use. The 1/8" hose barb featured on the SPD vent has been specifically designed to be compatible with tubing typically used in single-use systems to support closed system sampling operations. The dual vent stem seals ensure a sterile process envelope and a unique polymeric sealing technology negates the need for O-rings, thereby simplifying the materials of construction.

Easy to actuate | No O-ring seals - simplified MOC | Optimized hose barb



Ordering Information

Inline UltraCap® H.D. Model	Filter Media - Grade	Retention Rating (µm)	Cartridge Length	Body Style	Inlet/ Outlet	Vent/Drain Options	
CR2	ST	0.2	2	N	00	K	
CR2 = Standard (non-sterile)	Membrane Media	Grade	Retention Rating (µm)	1 = 10"	N = Inline	00 = 1" sanitary flange	K = Two SPD vent/ drain valves at inlet and outlet
	SteriLUX® PVDF	VMH ² , VTH ¹ , VLH ³	0.1, 0.2, 0.4, 0.6	2 = 20"		77 = 3/4" sanitary flange	L = One SPD vent at outlet only
	EverLUX® PES	SMH ² , SLH ³	0.2, 0.4, 0.6	3 = 30"		02 = 1" sanitary flange inlet; 3/8" hose barb outlet	
GR2 = Gamma- irradiated (sterile)	STyLUX® PES	STW ¹ , SLW ³	0.2	4 = 40"		0C = 1" sanitary flange inlet; 1/2" hose barb outlet	
		SM ² , SL ³	0.04, 0.1, 0.2, 0.4, 0.6	5 = 50"		09 = 1" sanitary flange inlet; 9/16" hose barb outlet	
		ST ¹	0.04, 0.1, 0.2, 0.4			08 = 1" sanitary flange inlet; 3/4" hose barb outlet	
	Steridyne® PVDF	VMV ² , VTV ¹	0.2			0D = 1" sanitary flange inlet; 1" hose barb outlet	
	Gamma-irradiated model not available for media listed below:						
	Chemdyne® PP	PM ²	0.04, 0.1, 0.2			22 = 3/8" hose barb	
		PT ¹	0.2			CC = 1/2" hose barb	
	Ultradyne® PTFE	TM	0.05, 0.1, 0.2, 0.4, 1.0, 5.0			99 = 9/16" hose barb	
		TA ² , TT ¹	0.2			88 = 3/4" hose barb	
	Microfiber Media	Grade	Retention Rating (µm)			DD = 1" hose barb	
	ALpHA® PP	MF	0.45, 0.6, 0.8, 1.2, 2.4, 5, 7, 10, 20, 30, 40, 70				
	ALpHA® G polyester	MG*	0.6, 1.2, 2.4, 5, 7, 10, 20				
	Vanguard® PP	MN	0.1, 0.2, 0.4, 1, 3, 5, 10, 30, 60, 99 (nominal)				
	Protec® GF	RF*	0.5, 1				
	Protec® GF + PVDF	RM*	0.2, 0.3, 0.5				
	DeltaMax® PP depth	DM	0.5, 1, 3, 5, 10, 20, 40, 70				
	DeltaDepth® PP depth	DD	0.5, 1, 5, 10, 25, 50 (nominal)				

*ALpHA® G, Protec® RF and RM are gamma-irradiatable.

For complete UltraCap® H.D. portfolio and ordering information, please consult the UltraCap® H.D. Brochure.

Filter Media Grade Descriptions

¹ T-grade (VTH, STW, ST, VTV, PT, TT)

This absolute, microbially rated filter meets full traceability requirements for the pharmaceutical industry. It is 100% integrity tested during manufacture. Each T-grade filter is shipped with a Certificate of Quality stating exact quality control criteria and test performance results. This is a validatable product to meet the stringent requirements of the pharmaceutical industry.

² M-grade (VMH, SMH, SM, VMV, PM, TA)

This absolute, microbially rated filter is 100% integrity tested during manufacture. It is suited for critical applications when regulatory documentation requirements are minimal.

³ L-grade (VLH, SLH, SLW, SL)

This filter is not 100% integrity tested or flushed during manufacture. It is offered as an economical prefilter or final filter when sterility assurance is not required.

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