

3M™ LifeASSURE™ PDA Series Filters

Sterilizing grade and bioburden reduction filters

3M™ LifeASSURE™ PDA Series Filter Capsules and Cartridges are single-use products for the control of microorganisms. LifeASSURE PDA series filter capsules and cartridges are designed to be consistent with the U.S. FDA's Guidance for Industry: Sterile Drug Products Produced by Aseptic Processing. The PDA020 sterilizing grade filters are absolute 0.2 micron rated for bioburden reduction. The PDA010 filters are absolute 0.1 micron rated and help control mycoplasma contamination in bioprocessing fluid streams.

LifeASSURE PDA series filter capsules and cartridges contain two layers of polyethersulfone (PES) membrane. The PES membranes are pleated with layers of polypropylene support upstream and downstream, providing structural support and promoting flow. Capsule products are available in gamma compatible and sterile formats.



Refer to the latest versions of the 3M™ LifeASSURE™ PDA Series Filter Capsules and the 3M™ LifeASSURE™ PDA Series Filter Cartridges validation guides for further information.

Product Description

3M™ LifeASSURE™ PDA Series Filter Capsule Ordering Guide

Grade Designation	Configuration	Height (Inches)	End Modification	Vent O-ring Option	Sterilization	Package Quantity
PDA010 - 0.1 µm	C - Small Capsules	01-2.5" 02-5.0"	A - 1.5" Sanitary Fitting B - 0.5" Hose Barb	A - Silicone	G - Gamma Compatible	1-1 Pack
PDA020 - 0.2 µm	J - Large Capsules	01-10" 02-20" 03-30"	A - 1.5" Sanitary Fitting		S - Sterile	

Example: PDA010J02AAS1

3M™ LifeASSURE™ PDA Series Filter Cartridge Ordering Guide

Grade Designation	Configuration	Length (Inches)	End Modification	O-ring Option
PDA010 - 0.1 µm	W - Standard (W-configuration only available in 10" to 30" lengths and 0.2 µm grade.)	50 - 5.0" 01 - 10" 02 - 20" 03 - 30" 04 - 40"	B - 226 O-ring & Spear C - 222 O-ring & Spear F - 222 O-ring & Flat Cap J - 226 O-ring & Flat Cap	A - Silicone C - EPR
PDA020 - 0.2 µm	F - High Area			

Example: PDA010F02BA

All product configurations may not be commercially available in all areas.

Effective Filtration Area by Product Type

Type	Effective Filtration Area (EFA)	PDA010 (0.1 µm)	PDA020 (0.2 µm)
25 mm Disc Filter	3.5 cm ²	Yes	Yes
47 mm Disc Filter	14.5 cm ²	Yes	Yes
2.5" Capsule	0.12 m ²	Yes	Yes
5" Capsule	0.26 m ²	Yes	Yes
5" Cartridge (F type)	0.35 m ²	Yes	Yes
10" Cartridge or Capsule (F or J type)	0.78 m ²	Yes	Yes
10" Cartridge (W type)	0.56 m ²	-	Yes
20" Cartridge or Capsule (F or J type)	1.56 m ²	Yes	Yes
20" Cartridge (W type)	1.13 m ²	-	Yes
30" Cartridge or Capsule (F or J type)	2.34 m ²	Yes	Yes
30" Cartridge (W type)	1.69 m ²	-	Yes
40" Cartridge (F type)	3.12 m ²	Yes	Yes

For more information about the **3M™ LifeASSURE™ PDA Series Filter products**, contact your local sales or application engineering representative by calling **1-800-630-0778**, option 2, or visiting us at **go.Solventum.com/bioprocessing**.

Intended Use: 3M™ LifeASSURE™ PDA Series Filter Capsules/Cartridges are single-use filter products that are intended for use in biopharmaceutical processing applications of aqueous based pharmaceuticals (drugs) and vaccines in accordance with the product instructions and specifications, cGMP requirements, where applicable. Since there are many factors that can affect a product's use, the customer and user remain responsible for determining whether the 3M product is suitable and appropriate for the user's specific application, including user conducting an appropriate risk assessment and evaluating the 3M product in user's application.

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