

Premium Sterile Cartridges & Housings

REV072025

3M™ LifeASSURE™ BBA Series Filter Cartridges



Technical product benefits

- The LifeASSURE BBA filter cartridge is manufactured under an ISO 9001: 2015 certified quality management system.
- LifeASSURE BBA 0.45 µm and 0.65 µm rated filter cartridges provide excellent retention of common spoilage microorganisms.
- LifeASSURE BBA filter cartridges deliver reliable spoilage microorganism retention for: Lactobacillus Brevis (0.45 µm) and Saccharomyces cerevisiae (0.65 µm).
- The LifeASSURE BBA Filter cartridge design combines asymmetric PES membrane and meltblown polypropylene microfiber media.
- Product complies with applicable US FDA 21-CFR food and beverage contact regulations.
- LifeASSURE BBA filter cartridges are stable with most cleaning and sanitation regimes.
- The LifeASSURE BBA 0.45 µm and 0.65 µm filter cartridges are tested in accordance to NSF Standard 401 for micro-plastics reduction ($\geq 85\%$ efficiency for particles $\geq 0.5\mu\text{m}$).

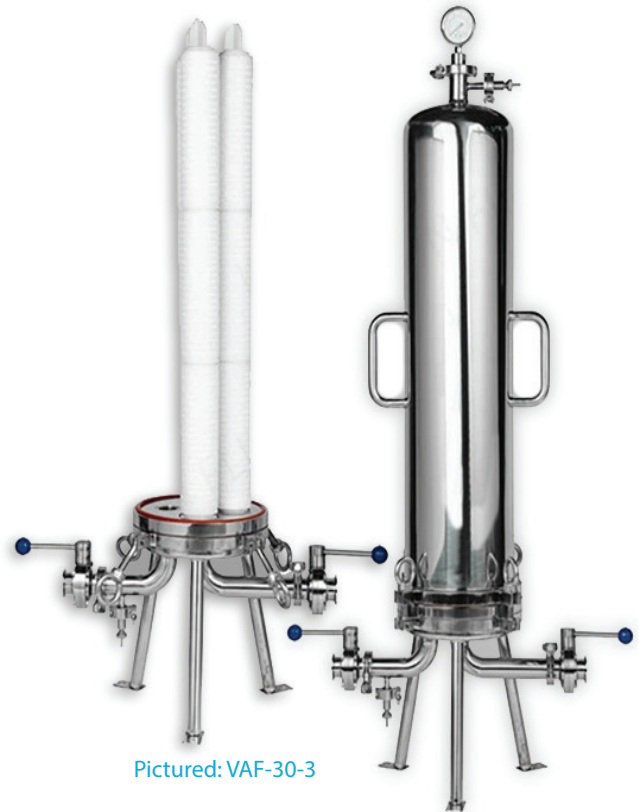
Pricing: (30" Membrane)

Product	Microorganisms	LRV	x1	x12 **	x24 **
BBA 045A03BA2	Lactobacillus	7	\$435ea	\$399ea	\$375ea
BBA 065A03BA2	Saccharomyces cerevisias	7	\$435ea	\$399ea	\$375ea

**Mix & match



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Pictured: VAF-30-3

Premium Housings

- 30" Single Cartridge Filter Housing
- Sanitary membrane filter housing made of electro-polished 316L stainless steel. This model holds the 30" Code 7, 226 O-ring style filter membrane cartridges.
- Maximum operating pressure is 100 psi.
- Included is a sanitary pressure gauge, two 1.5" TC butterfly valves, TC clamps and gaskets and two plunger valves for air bleed-off.
- Can be sanitized using in-line steam, autoclave or hot water.

Pricing:

(Membrane sold separately)

VAF-30-3	\$2,295ea
VAF-30-1	\$975ea



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Ordering Guide

3M™ LifeASSURE™ Series Filter Cartridges	Ratings (µm)	Cartridge configuration	Length (inches)	End modification	O-ring/gasket material	Adapter insert
BBA	045 – 0.45 065 – 0.65	A	01 – 10 02 – 20 03 – 30 04 – 40	B – 226 O-Rings & Spear C – 222 O-Rings & Spear	A – Silicone C – EPR	0 = No Insert 2 = SS Insert

BBA045A01BA0 - LifeASSURE BBA, 10in, 0.45µm, 226 with spear end-cap and silicone o-ring.

Technical data and operating parameters

Nominal filter cartridge dimensions

Effective filtration area (10" element)	6.1 ft.2 (0.56 m2)
Filter cartridge diameter	2.72" (69 mm)
Filter cartridge lengths	10" (254 mm), 20" (508 mm), 30" (762 mm), 40" (1016 mm)

Operating parameters

Recommended flow rate (10" element)	Beer: 1-2 gpm (3.8-7.6 Lpm) Wine: 2-3 gpm (7.6-11.4 Lpm)
Maximum forward differential pressure	80 psid @ 77°F (5.5 bar @ 25°C) 35 psid @ 194°F (2.4 bar @ 90°C)
Maximum hot water sanitizing temperature	Hot water: 194°F (90°C) – 75 hrs. 1 gpm (3.8 LPM), 10 psi (0.69 bar)
Steam sanitizing temperature	266°F (130°C) – 150, 30-minute cycles
NaOH cleaning duration	1M Conc. @ 149°F (65°C) - 100 hrs.
Peracetic acid sanitizing (27% hydrogen peroxide, 5.0% peracetic acid)	1% Conc. @ 77°F (25°C) - 100 hrs.
Potassium metabisulfite	2oz/gal @ 77°F (25°C) - 100 hrs.
Ethyl alcohol, v/v (ethanol)	70% Conc. @ 77°F (25°C) - 100 hrs.

	BBA045 (0.45 µm)	BBA065 (0.65 µm)
Forward flow test pressure	16 psi (1.1 bar)	4.5 psi (0.2 bar)
Maximum diffusion (10" element)	≤ 24 sccm	≤ 7 sccm
Minimum bubble point	≥ 1.4 bar (20.3 psi)	≥ 0.4 bar (5.8 psi)
Pressure hold test	Consult Purification and Filtration representative	Consult Purification and Filtration representative

Intended Use and Product Selection: LifeASSURE BBA series filter products are intended for use in food and beverage filtration of aqueous fluids in accordance with the applicable product instructions and specifications. LifeASSURE BBA series filter products are also intended for use with non-aqueous fluids where materials of construction are compatible. Since there are many factors that can affect a product's use, the customer and user remain responsible for determining whether the Solventum product is suitable and appropriate for the user's specification, including user conducting an appropriate risk assessment and evaluating the Solventum product in user's application.

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Compliance

Standard

ISO 9001: 2015 Certified Quality Management System

100% diffusion flow tested prior to shipment

Materials of construction comply with USA FDA 21 CFR.*

Tested in accordance to NSF Standard 401 for micro-plastics reduction (≥ 85% efficiency for particles ≥ 0.5µm)

** The wetted component materials, when used in accordance with Solventum product intended uses and instructions, have been evaluated and found to comply to USA FDA 21 CFR sections 170-186 for food contact applications. For details related to specific use conditions or limitations for food contact applications please contact your Solventum representative for more information.*



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