

Consistent, long-lasting beverages? That's 3M filtration.

Contract packagers around the world choose 3M because of:

Performance

3M systems remove bacteria, and deliver on the filtration needs of the packager.

Convenience

3M filter systems offer convenience and ease-of-use.

Quality

3M filter systems deliver worldwide quality for consistent packaging operations.



Sterile bottling



Crystal clear



Invest to save



Food contact compliance



Growth support



Cleanliness control

Sterile filtration

3M™ Zeta Plus™ HT Series

Zeta Plus™ HT series filters are a vital part of the filtration process for contract packagers around the world. These easy-to-use disposable cartridges effectively remove spoilage organisms, improve beverage clarity, and remove heating from the process.

Why choose 3M™ Zeta Plus™ cartridges?

- Remove haze, bacteria, yeast, and other contaminations, for clean, crystal-clear products every time
- Protect downstream membranes at a fraction of the cost
- Ensure the beverages you package are microbiologically-stable
- No flavour impact
- Improve the shelf life of your products
- Avoid high-cost processes like pasteurisation



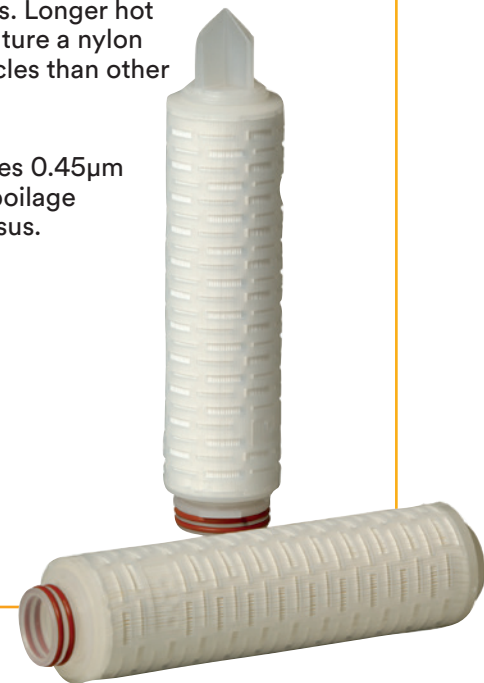
LifeASSURE™ BA Series Filters

Membrane filtration is the premier method of achieving microbiological stability in the container without the use of chemicals or heat. Hot water sanitation and warm flushing water are regular processes used in beverage packing plants to dissolve accumulated contaminants. Longer hot water stability means longer filter life. LifeASSURE™ BA Series filter cartridges feature a nylon membrane optimised for enhanced thermal stability to ensure more hot water cycles than other competitive filters.

The LifeASSURE™ BA series 0.65µm rated cartridge filter removes contaminating yeast, moulds, and most spoilage bacteria from liquids. The LifeASSURE™ BA series 0.45µm rated cartridge filter removes not only yeast and moulds, but even the smallest spoilage bacteria such as *Oenococcus oeni*, *Lactobacillus brevis* and *Pediococcus damnosus*.

Why choose LifeASSURE™ BA filters?

- Cost-effective filtration with multi-zone microporous technology
- Higher flow with lower pressure drop
- Advanced cartridge construction with 40% more surface area
- Withstands repeated hot water sanitation cycles



Separation and Purification Sciences Division

3M United Kingdom PLC
3M Centre, Cain Road
Bracknell RG12 8HT
Berkshire
+44(0) 845 6025 237

3M Ireland Ltd
The Iveagh Building
The Park, Carrickmines
Dublin 18
00353 (01) 280 3555

Please recycle. Printed in the UK. © 3M 2018. 3M, LifeASSURE and Zeta Plus are trademarks of the 3M company. All rights reserved. J427525

