



COMPETITOR COMPARISON LIFETEC™ LIQUID, STERILE AIR & GAS FILTER ELEMENTS

Process Filtration

Increased Process Reliability with Donaldson® LifeTec™. The groundbreaking line of LifeTec process filtration products are stronger, longer-lasting, and have higher flow rates than most products on the market today. Donaldson's new process filters are available in a broad range of configurations for nearly every application and technological trend in the processed food and beverage industry, including bioburden reduction of ingredient water, beer, wine and bottled water.

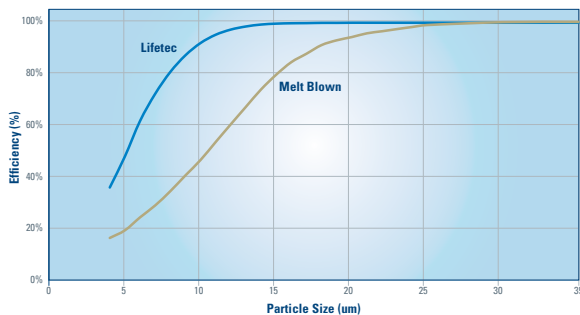
- Depth filters for pre- and fine filtration of inorganic particulate
- Membrane filters for final filtration of processed food ingredients and processed food products
- Retention rates from 0.2 to 50 microns
- Increased dirt holding capacity of filter media
- Polyethersulfone (PES), polypropylene (PP), and polytetrafluorethylene (PTFE) media options
- Lengths customizable from 254 to 1016 mm (10 to 40 inches)



LIFETEC

HIGHER EFFICIENCY = CLEANER AIR

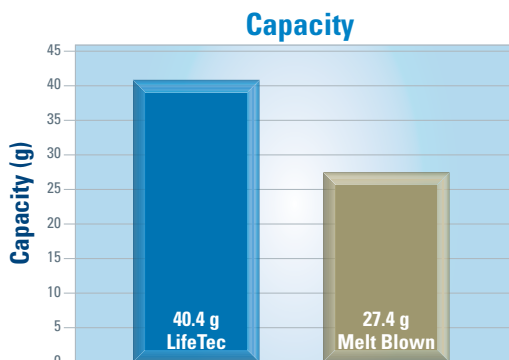
Melt Blown vs PP N Efficiency Comparison



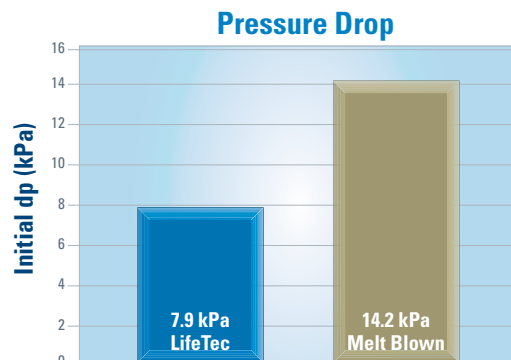
LONGER LIFE

Donaldson pleated LifeTec elements provide the latest in filtration technology for liquid applications. LifeTec's revolutionary cage and pleat design improve overall filtration performance while reducing your cost of ownership. Compared to traditional melt blown cartridges, LifeTec offers greater holding capacity and lower pressure drop, allowing for longer life and fewer changes outs. LifeTec's high retention rate also ensures that your process is better protected from contaminants that can harm your product and brand.

LIFETEC SHOWS
47% MORE
DIRT HOLDING CAPACITY
THAN MELT BLOWN



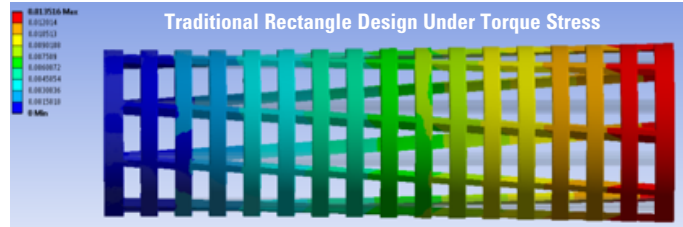
LIFETEC EXPERIENCES
44% LESS
PRESSURE DROP
THAN MELT BLOWN



GREATER STRUCTURAL STABILITY

During installation, elements are often twisted into position to secure the placement. For traditional rectangle designed cages, this twisting motion can create excess torque stress on the element and result in damage to the support and inner media that may greatly reduce the effectiveness of the element.

LifeTec's rigid support cage structure resists deformation that leads to media failure, increasing reliability and reducing costs by maximizing the number of cleaning and sterilization cycles the filter can perform.



COUNT ON SIGNIFICANT SAVINGS

Process owners with their eye on the bottom line know that LifeTec equals significant cost savings. LifeTec filters last longer, resulting in fewer filter changes, lower replacement and labor costs, and less production downtime. For proven technology that delivers energy, maintenance and filter cost savings, there's only one solution — LifeTec.

Operating Economics Using Melt Blown

Budget Item	Qty	Price	Times/year	Total
Sterile filter	12	\$428	3	\$15,408.00
Prefilter (melt blown)	12	\$9.50	3	\$342.00
Labor (sterile)	3	\$20	3	\$180.00
Labor (prefilter)	3	\$20	3	\$180.00
Total System Cost				\$16,110.00

Operating Economics Using LifeTec

Budget Item	Qty	Price	Times/year	Total
Sterile filter	12	\$428	2	\$10,272
Prefilter (LifeTec)	12	\$50	2	\$1,200
Labor (sterile)	3	\$20	2	\$120
Labor (prefilter)	3	\$20	2	\$120
Total System Cost				\$11,712
Savings Delivered Per System Each Year				\$4,398.00

FEWER CHANGEOUTS SAVE ENERGY, MAINTENANCE AND FILTER COSTS

LIFETEC CUTS OPERATING COSTS BY 27%



Maintenance and filter replacement calculations are based on a comparison of LifeTec PP-TF and melt blown cartridges. Melt blown filters are replaced after 4 months. LifeTec PP-TF filters provide a 50% increase in life compared to traditional melt blown. Melt blown filters are priced at \$9.50 each, LifeTec PP-TF filters are \$50 each. Labor rate equals \$20 per 4 filters and are replaced on a timed schedule.



Important Notice

Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, specifications, availability and data are subject to change without notice, and may vary by region or country.



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