

Get a bead on superior contaminant protection



The Emerson™ EK filter drier

Superior filtration for greater refrigeration protection

When it comes to the refrigeration systems you install and maintain, what matters most?

It's keeping them running at peak efficiency. It's keeping your reputation intact and your customers satisfied. It's choosing superior filtration technology that delivers more reliable, longer-lasting protection from moisture and contaminants.

It's the kind of protection you can get only from the Emerson™ EK filter drier and the established industry leader, Emerson Climate Technologies.

Beaded means better

The Emerson EK filter drier provides measurably superior filtration of contaminants, drying of the refrigerant, and removal of acids versus any other filter drier on the market, making it ideal for both the refrigerants of today and tomorrow.

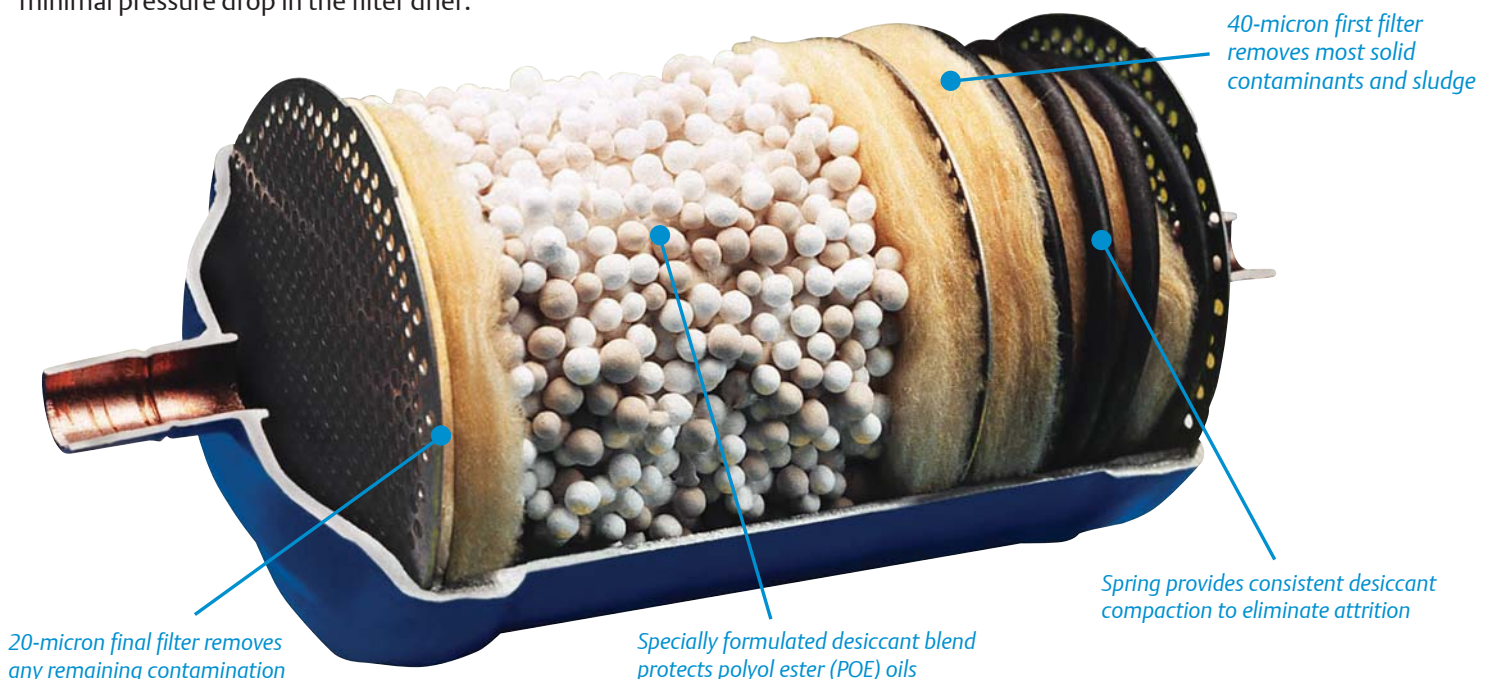
The difference is that synthetic polyol ester (POE) oils are protected from contaminants by the unique beaded desiccants. POE oils absorb up to 20 times more moisture than ordinary mineral oils. So if moisture reaches the Emerson EK filter drier, it is quickly absorbed and removed before acids can form - which means your systems will have less corrosion.

Superior from the inside out

The Emerson EK filter drier is buffered by an initial 40-micron fiberglass filter to remove most of the solid contaminants and sludge, and a 20-micron final filter to remove any remaining contamination. This ensures that the refrigeration system will stay cleaner, longer than ever before, with a minimal pressure drop in the filter drier.

The future of filtration

With the industry shifting to higher-pressure, environmentally friendly refrigerants, it's vital to use a filter drier that has operational flexibility. And the Emerson EK filter drier delivers. Whether you're using HCFC or CFC refrigerants or newer HFCs (including R-410A), the Emerson EK filter drier has a variety of models to meet all your filtration needs. This is even more important in HFC systems due to the greater solvency of POE oils which results in more circulation of dirt and debris particles within the system. These particles need to be removed to protect critical components and the Emerson EK filter drier has the best capacity and efficiency available on the market.



What are POE oils?

Polyol ester (POE) oils are created by a reaction between ester acids and alcohol where the by-product is a POE lubricant and water. The POE oils then act as a super sponge, absorbing up to 20 times more moisture than ordinary mineral oils.

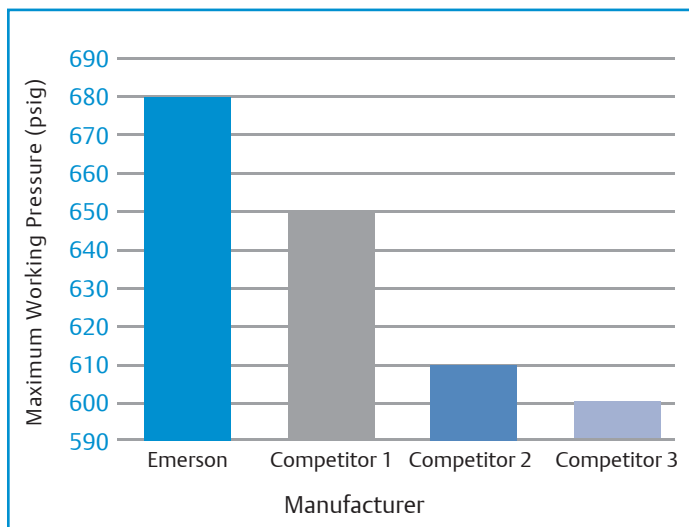


Technology designed to keep your reputation intact

Your customers depend on you to deliver the best. The best technology. The best service. The best protection. And through Emerson Climate Technologies you can deliver every time.

Contractors around the world have turned to Emerson for the ultimate refrigeration and air conditioning solutions, all reinforced by unwavering customer support. And with breakthrough products, such as the Emerson EK filter drier, your customers' refrigeration systems will have a higher level of protection. Giving you more peace of mind. Because after all, your reputation is worth it.

Superior maximum working pressure



The Emerson™ EK filter drier can withstand a higher working pressure than any other filter drier on the market.

Your filtration connection

The Emerson EK filter drier and all the essential Emerson Climate Technologies products are conveniently available at wholesalers worldwide. For information on local refrigeration wholesalers near you, go to EmersonClimateContractor.com.



Specifications

Desiccant blend: Optimized for use with HFC refrigerants and POE lubricants

Maximum working pressure: 680 psig,
UL file number – SA 3124

Absolute filtration: 20 microns

The Emerson EK filter drier is recommended by Emerson Climate Technologies, Inc. for HFCs, such as R-404A and R-410A.

(Source: Emerson Climate Technologies Application Engineering Bulletin AE-1297)



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