Emerson EK
Liquid Line Filter Drier

EMERSON

The Importance of a Filter Drier

Contaminants	Contaminant Removal Methods		Filter Drier
Moisture	Cleaned Via →	Molecular Sieve	
Acids		Activated Alumina	
Waxes		Activated Carbon	
Solid Particles		Filtering Media	
Sludge and Varnishes		Filtering Media	

Remove water, acid, and solid particle contamination to prevent system damage

EK Compacted Bead Design

40 micron first filter captures most solid contaminants and sludge

20-micron final filter captures any remaining contaminants

Outlet

Shock resistant steel shell construction
MWP: 680 psig

Inlet

Copper connections
ODF/SAE

Spring provides consistent desiccant compaction to eliminate attrition

Special desiccant blend provides maximum water & acid removal and protects polyolester (POE) oil

Beads are better

The Bead Beats the Block

Filter Drier Comparison

Emerson Compacted Bead		Competitor Block Style
75/25	Desiccant Mix Molecular Sieve/Activated Alumina	75/25
20 microns	Filtration Size	40 microns
13 grams	Filtration Capacity	< 10 grams
99.9%	Filtration Efficiency	< 90%

Calculations based on 16 cu. in. drier

Emerson EK provides industry best 20 micron filtration

Emerson EK Provides Superior System Protection

Filtration

- Filtration at both inlet and outlet, 20 micron
- 99.9% efficiency with minimal pressure drop
- Retains contaminants during system cycling and vibration

Moisture and Acid Removal Capacity

- Utilizes full surface area of desiccant beads
- Specially formulated blend to protect POE oil
- Filters first for maximum moisture removal rates
- Recommended for HFC's by Emerson Climate Technologies Inc.
- No binding agents that reduce adsorption as with block driers

Not all filter driers are created equal
Choose the Emerson EK