

# Emerson™ filter drier cores



## Universal system protection with Emerson cores

Today's refrigeration systems need to be cleaner and drier than ever before. The newer refrigerants and POE oils introduced to meet industry standards work under a much more precise operating environment - one that must be essentially free of moisture and contamination. Excessive moisture and contamination can lead quickly to problems. Operators depend on their refrigerators and freezers to maintain a consistently cooled environment, and they count on their refrigeration contractor to keep them running at peak efficiency.



The right filter drier core is essential for reliable, long-lasting system protection. The filter drier core is there to remove moisture, acids, and debris from the system. Moisture can get into the system from leaks or improper evacuation and charging. POE oil absorbs up to 20 times more moisture than ordinary mineral oil. The right core is designed to absorb and remove any moisture quickly before harmful acids can form. Debris is usually left over from installation. POE oil acts as a solvent to loosen debris and move it around the system. Debris must be removed before it can clog expansion devices or damage the compressor.



### The best core for every application

Choosing the right filter drier core is essential to providing protection to refrigeration systems. Emerson has engineered different cores for different situations. Emerson Climate Technologies has the broadest range of desiccant blends in the industry. Products range from 100% activated alumina (high acid) to 100% molecular sieve (high moisture). There is an Emerson core for every application, and all cores are completely interchangeable with other cores and shells.



### Emerson filter drier cores

Model	Product code number	When to use	Recommended use	
			CFC/HCFC (R-22)	HFC
D-48	059541	Highest acid removal and some moisture capacity	X	
H-48	059542	High acid removal with additional moisture removal Best all-around cores for mineral oil refrigerants	X	
H-100	089338			
UK-48	061617	Universal replacement core Best all-around cores for POE oil refrigerants	X	X
UK-100	062424			
HX-48	062549	Highest moisture capacity	X	X
W-48-HH	061235	HH Blend effectively cleans up soluble contaminants Following a severe burnout; also for wax removal	X	X
W-100-HH	043582			

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