

Emerson system protectors

Emerson AOFD 553 oil line filter drier

The Emerson AOFD 553 oil line filter drier provides protection for refrigeration oil management systems, and is specifically designed to absorb and remove moisture and debris before harmful acids can form. Buffered by a 10-micron filter media, the AOFD filter drier removes solid contaminants, including magnetic particles. It also has the advantage of moisture removal, and its unique design provides high flow capacity with low pressure drops.



Emerson filter drier cores

Filter drier cores remove moisture, acid, and debris from the system when used in a Steel Take Apart Shell (STAS). Choosing the right filter drier core is essential to providing long-lasting system protection. Emerson has the broadest range of desiccant blends in the industry. Products range in desiccant blends for various applications. For POE systems, Emerson recommends using UK-48 with its 75/25 molecular sieve/activated alumina blend to balance acid and moisture removal. There is an Emerson core for every application, and all cores are completely interchangeable with other competitor models.



Filter drier core cross reference

Emerson model	R-22	R-134a	R-404A/ R-507	R-410A	Recommended use
D48	363	415	457	210	High Acid Removal
H48	597	676	721	380	High Acid/Moisture Removal
UK48	1181	1272	1319	976	Universal Replacement/POE Oil
W48HH	335	387	417	249	High Acid/Burnout

Sporlan®	Emerson
RC4864	D48
RC4864	H48
RCW4864	UK48
RC4864HH	W48HH

Moisture capacity @ 75°F* drops of H₂O

Emerson replaceable filter cartridges

Cartridge used in Emerson's Brass Take-Apart Shell (BTAS) suction line filter driers and Superior CFA suction shells. The BTAS is a corrosion resistant brass body replaceable core shell with stainless steel bolts for suction line service. Ideal for commercial refrigeration applications.

Emerson model	Shell #	Cartridge O.D. (In.)	Cartridge length (In.)	Filter area (Sq. In.)
A3F	BTAS-3	2 3/4	6 7/8	115
A4F	BTAS-4	3 3/4	7 1/2	189
A5F	BTAS-5	4 5/16	8 1/2	270

Filter cartridge cross reference



Superior®	Emerson
F35A	A3F
F45A	A4F
F55A	A5F