

# Emerson™ AOFD oil line filter drier

## Superior oil system protection

The Emerson oil line filter drier (AOFD) from Emerson provides the necessary protection for refrigeration oil management systems. Install the AOFD in the oil return line of POE systems after the oil separator. For improved system reliability, the AOFD was designed specifically to remove moisture and debris from the oil before it returns to the compressor.

### Superior protection

Emerson has optimized an oil line filter drier for refrigeration systems with oil management. The AOFD oil filter drier provides:

- Measurably superior filtration of contaminants
- Moisture removal from the oil
- High flow capacity with low pressure drop
- Simple pressure drop measurement
- Easy replacement

The superior combination of filtration and moisture removal provides the best protection for oil level controls and compressors compared to other filter driers on the market.

### Beaded means better

The difference is that synthetic polyol ester (POE) oils are protected from contaminants by the unique beaded desiccant. POE oil absorbs up to 20 times more moisture than ordinary mineral oils. That's why the AOFD oil filter drier is designed to absorb and remove moisture quickly before harmful acids can form. This means that the compressor will have better lubrication throughout its life.



## Filtration comes first

The AOFD oil filter drier is buffered by 3-micron filter media to remove debris and solid contaminants, including magnetic particles. This ensures that the oil will stay cleaner while flowing to the compressor with a minimal pressure drop in the filter drier.

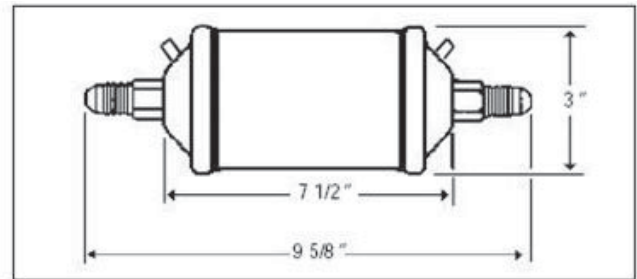
## Easiest to install

The AOFD filter drier is the easiest oil line filter drier to install, since the 3/8" SAE flare fittings allow for quick change-out with simple tools. The Schraeder access valves allow for easy pressure drop measurements. This will save you time and result in fewer maintenance hassles. Newer refrigerants and POE oils work under a precise operating environment - one that must be essentially free of moisture and contamination. Excessive moisture and contamination levels can lead quickly to problems with the system. Operators depend on their refrigeration systems to maintain a consistently cooled environment, and they count on their refrigeration contractor to keep them running at peak efficiency. Whether it's a new installation or routine service, the right oil filter drier is essential for reliable, long-lasting system protection.

## Technology designed to keep your reputation intact

To keep your customers satisfied, you must deliver the best technology, the best service, and the best protection. And with Emerson Climate Technologies you can deliver every time. Contractors around the world have turned to Emerson for the ultimate refrigeration solutions, all reinforced by unwavering customer support. And with breakthrough products, such as the AOFD oil line filter drier, your customers' refrigeration systems will have a higher level of protection. The AOFD oil filter drier and all the essential Emerson products are conveniently available at wholesalers worldwide. For information on local refrigeration wholesalers near you, go to [Emerson.com/OPI](http://Emerson.com/OPI).

## Dimensional data



## AOFD water capacity

| Refrigerant type | Drops@125°F |
|------------------|-------------|
| R-22             | 497         |
| R-134a           | 518         |
| R-404A           | 518         |
| R-407C           | 435         |

## Ordering Information

| PCN    | Description               |
|--------|---------------------------|
| 062829 | AOFD 553 oil filter drier |