



NDL Industries

## APPLICATIONS

Commercial, Industrial, and Residential HVAC and Refrigeration

# TW Filter Driers with Spectroline AR-GLO®

Filter driers shield the refrigeration system by trapping solids, absorbing moisture and acid, and averting ice buildup on the expansion valve's orifice.



## Features

- OEM approved Filter Drier
- Filter Drier pre-charged with Spectroline TRACER WAFER® impregnated with fluorescent dye.
- Dye approved by all leading Compressor & Refrigerant manufacturers.
- Compatible with all Refrigerants.
- Proven technology: Over 250 million systems installed till date.

## Drier with TW for OEM Production Line

- Reduces warranty repair costs
- Easy introduction to A/C System
- Designed for special OEM needs
- No handling of liquid dyes, avoiding false leak indications
- No increase in labor and time
- No production line changes necessary
- Used for quality control on production line

## How it works?

- Tracer Wafer placed along with the desiccant.
- When the system is started dye in Wafer released and mixes with lubricant circulates with the refrigerant.
- In case of leak dye escapes with the Refrigerant leaving a mark at point of leak.
- Exact point of leak is easily visible by UV flashlight through yellow glasses.
- After repair wipe off the dye using a Glow Away or Similar



## Frequently Asked Questions

### Q. What is Fluorescent Leak Detection?

A. Spectronics Corporation invented fluorescent leak detection in 1955, this technology is used by HVAC professionals worldwide to locate fluid leaks in air conditioning and refrigeration systems. This process is simple and effective requiring nothing more than fluorescent dye and a UV lamp.

### Q. How does Fluorescent Leak Detection work?

A. First, add dye to the system and let it circulate. The dye/oil mixture escapes with the refrigerant and collects at all leak sites. Next scan the system with an ultraviolet lamp and see all leaks glow brilliantly!

### Q. I am nervous about voiding my equipment's warranty if I add dye. What should I consider when choosing a dye?

A. Spectroline dyes are the only highly concentrated dyes in the industry that are approved by manufacturers, co-solvent free, NSF certified and can remain safely in systems for its lifetime. Spectroline is the only manufacturer with OEM approval from companies such as Copeland, Bristol, Whirlpool, Carrier, Embraco and many more.

### Q. How much dye should be added to the system?

A. 4 ml of dye is enough to treat 2 L of lubricant, 6 kg of refrigerant or 5 tons of cooling capacity. A complete dosage chart is included with all our dyes.

### Q. What types of leaks can be found using Spectroline products?

A. All leaks, including leaks as small as 3 ml per year and intermittent leaks that only appear when the system is under pressure.

### Q. Are Spectroline AR-GLO® dyes compatible with all refrigerant and lubricants, including R-410a?

A. Yes. Spectroline AR-GLO® fluorescent dye is a universal (POE) that works with all refrigerant gases and lubricants.

### Q. Does the air conditioning system need to be evacuated or can you find leaks while it is running?

A. The system does not need to be evacuated. The dye can be used at any time the system is running.

### Q. How long does it take to find a leak?

A. In a smaller system, you can find leaks in seconds. In larger systems, in supermarkets for example, it may take a few hours. Our recommendation is to use NDL Filter Drier with Spectroline TW dye when a new installation is performed. In this way, the technician can do a weekly or monthly leak detection inspection in seconds.