

**Dry All**<sup>®</sup>

Full Range of HVAC&R Line Products



**FILTER DRIERS WITH LEAK DETECTION  
TECHNOLOGY**



Dry All®

SPECTROLINE®  
HVAC/R



# Filter Drier with



Filter Drier Pre-Charged with Fluorescent Dye  
To help you find the exact source of Refrigerant Leak

### How It works?

- Tracer Wafer charged with fluorescent dye is placed along with the desiccant.
- When the system starts dye in Wafer is released and mixes with lubricant and 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 with the help of Ultraviolet (UV) flashlight through yellow glasses.
- After repair wipe off the dye using a Glow Away or Similar cleaner

### Features:

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

### Advantage of Drier with Tracer Wafer 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

Drier Model Series C-Inch by Dry All	Recommended for Tonnage TR	Aproximate Oil Charge in such system in Liters
3	1.4 to 3.3 TR	0.8 to 1.4L
5	1.8 to 4.8 TR	1.4 to 2.0L
8	1.9 to 7.7 TR	1.5 to 3.5L
16	3 to 10.9 TR	2.0 to 4.0L
30	3.5 to 21.5 TR	2.0 to 6.0L
41	7.3 to 30.5 TR	2.5 to 7.5L



500:1 is the recommended dilution ratio for effective fluorescent leak detection.



OEM-Approved PAG dye that is OEM approved



Compatibility with all Refrigerants



Universal / Ester A/C dyes will not impair Lubricant properties



Meets SAE Standard J2297



Ideal for preventative maintenance and diagnostics



Quickly find the exact source of small, multiple and intermittent Leaks



Leak Detection from distance



Technicians can safely search near moving parts



Saves Time on your Service Call



Conserves Expensive Refrigerant and Fluids



**Q. What is Fluorescent Leak Detection?**

**A.** Spectronics Corporation invented fluorescent leak detection in 1955, this technology is used by HVAC&R professionals worldwide to locate refrigerant 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 either in Liquid form or as TW in Filter Drier and let it circulate. The dye/oil mixture escapes with the refrigerant and collects at all leak points. Scan the system with an ultraviolet lamp and see all leaks glow brilliantly!

**Q. I am nervous about voiding my equipments 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. Are Spectroline AR-GLO® dyes compatible with all refrigerant and lubricants, including R-410a?**

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

**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 and its ability to treat quantity of Oil is included with all our drier with TW.

**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 can be easily detected.

**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 Dry All 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.

**Q. Will this dye work on systems with Oil Separator?**

**A.** Yes it will. However efficient in oil separator may be even a very small amount of oil is good enough to carry the dye along with it and circulate in the system.

**Q. Will this dye effect the moisture indicator?**

**A.** No the dye does not effect the Cobalt Chloride indicator paper in a liquid indicator / moisture indicator in any way.

**Q. Is the dye compatible with all Refrigerants**

**A.** The dye is compatible with CFC, HFC, HCFC, HC, HFO and blends of all these

**Q. Is the dye compatible with all Oils used in Refrigeration Industry?**

**A.** The dye is compatible with Mineral Oil, POE, PVE, PAG & Alkyl Benzene

**Q. Will the dye react to any Material in the HVAC&R System**

**A.** The dye is compatible with all Metals, Elastomers, Fabric & Non Woven Fabric, Sealants and Motor Windings commonly used in HVAC&R Systems,

**Q. What is the temperature range for the dye?**

**A.** The temperature range for the dye is -80°C to +200°C.

## DRY ALL PRODUCTS



Scan here



More about TW Filter Drier

MANUFACTURED BY:



Full Range of HVAC&R Line Products

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