

2021

  
**SPECTROLINE®**  
LEAK DETECTION

# FLUORESCENT

LEAK DETECTION AND SYSTEM ADDITIVES

**FOR ALL AC&R SYSTEMS**

PROFESSIONAL GRADE SOLUTIONS



Residential A/C



Commercial A/C



Refrigeration



# FLUORESCENT LEAK DETECTION TOOLS

Working for you **24/7** – Once **IN**, always **ON**.



Step 1

Add dye to the  
system & let it  
circulate



Step 2

Scan system with  
a Spectroline leak  
detection lamp and  
see any leaks  
glow brightly



Continuously  
circulating - working  
for you around  
the clock, **24/7** to  
quickly identify any  
future leaks

Have peace of mind you're using the **ultimate leak detection**  
and **preventative maintenance solution** in the industry!

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**SPECTROLINE®**  
LEAK DETECTION

## Inventors & Pioneers

For over 65 years, Spectronics Corporation has engineered the highest-quality, premium performance leak detection dyes and products.

As the **inventors of ultraviolet fluorescent leak detection**, we take pride in crafting the most superior leak detection dyes in the industry.

Spectronics Corporation is a family owned company with three generations of experience in delivering award-winning professional service and the industry's most powerful leak detection dyes, additives and lamps.



# AR-GLO® 5 FLUORESCENT DYE



## Fluoresces up to 10% Brighter\*

Find AC&R leaks quicker & more easily



## Improved Stability

More tolerant to extreme temperature range & moisture



## Improved Shelf Life 150% Improvement

Up to 5 years



## More Eco-Friendly

Formulated with safe raw materials & helps reduce refrigeration emissions into the atmosphere



## Fully Miscible

High Quality, non-particulate and filtered down to 2 microns. Won't change the viscosity or lubricity of host fluid.

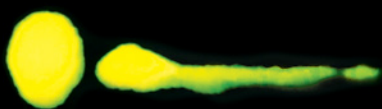


## Exclusive Formula

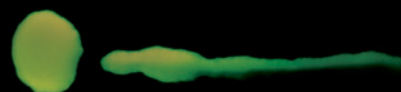
From the inventors & most trusted name in fluorescent leak detection

SpectrolinE® dyes **glow brighter** than the competition.

AR-GLO® 5  
Dye Formula



Competitor  
Dye Formula



Shown under 400 nm light with amber glasses



# EZ-Ject™ (Patented) Fluorescent Dye Injection System

The revolutionary way to add fluorescent dyes into air conditioning and refrigeration systems — without the use of additional refrigerant, manifold and additional hoses.

- ▶ No pouring and no refrigerant required for injection.
- ▶ One calibrated cartridge provides exact dosing for multiple systems. Easily overcomes system pressure.
- ▶ Inject dye with a turn of the handle.



S-M

Small-Medium  
Sized AC&R SystemsAR-GLO® 5E: Brighter  
Performance DyeUP  
TO 450  
PSIWorks in all AC&R  
systems, overcomes  
system pressureCo-Solvent  
Free Dye

## EZ-Ject™ COMPLETE Fluorescent Leak Detection Kit

### SPE-HVLEZE

- ▶ SPE-HVL-CS violet light LED leak detection lamp
- ▶ SPE-EZ5E (2) 0.5 oz (15 ml) universal/POE dye cartridges
- ▶ RP-EZ-50 EZ-Ject™ dye injector assembly
- ▶ RP-EZ-25 8 in (20 cm) EZ-Ject™ hose assembly
- ▶ RP-AD-410A R-410a adapter/purge fitting

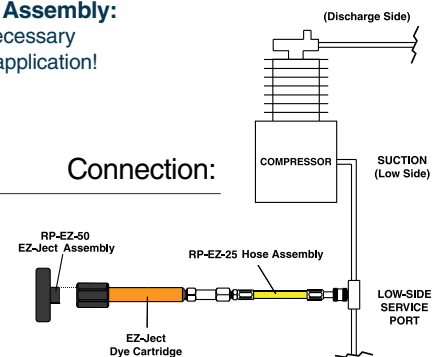


**Reusable Injector Assembly:**  
Save money on unnecessary  
hardware with each application!



Universal/POE Dye: NSF Certified to meet  
food-grade processing requirements for  
category codes HTX-2 and HX-2

Connection:



## EZ-Ject™ Fluorescent Dye Injection Kit

### SPE-EZ100E-CS

- ▶ (2) SPE-EZ5E 0.5 oz (15 ml) universal/POE dye cartridges
- ▶ RP-EZ-50 EZ-Ject™ dye injector assembly
- ▶ RP-EZ-25 8 in (20 cm) EZ-Ject™ hose assembly
- ▶ RP-AD-410A R-410a adapter/purge fitting

Treats a **TOTAL** up to:

- ▶ 4 gal (15.2 L) of lubricant or
- ▶ 50 lbs (22.6 kg) of refrigerant or
- ▶ 24 tons (84.4 kW) of cooling



## EZ-Ject™ Fluorescent Dye Cartridge

### SPE-EZ5E-CS

- ▶ 0.5 oz (15 ml) universal/POE dye cartridge

Treats up to:

- ▶ 2 gal (7.6 L) of lubricant or
- ▶ 25 lbs (11.3 kg) of refrigerant or
- ▶ 12 tons (42.2 kW) of cooling



# GLO-STICK® (Patented) Fluorescent Dye Capsule System



Convenient, mess-free, single-dose capsules. Add refrigerant and fluorescent dye in one simple step.

- ▶ Available in 4 sizes/concentrations to match the capacity of the system.
- ▶ Inject dye while charging with refrigerant, or when connecting from the high side to the low side.



Dye Injection System



**AR-GLO® 5E:** Brighter Performance Dye

**UP TO 450 PSI**

Works in all AC&R systems, overcomes system pressure



Co-Solvent Free Dye

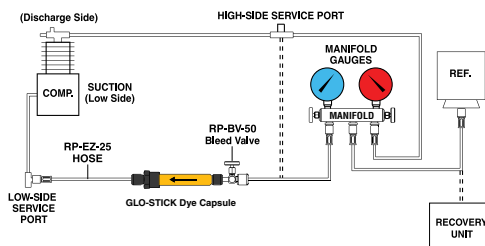
## GLO-STICK® COMPLETE Fluorescent Leak Detection Kit

### SPE-HVLGSE

- ▶ **SPE-HVL-CS** violet light LED leak detection lamp
- ▶ **SPE-GS1E** (1) 0.5 oz (15 ml) universal/POE GLO-STICK® dye capsule
- ▶ **SPE-GS2E** (2) 0.5 oz (15 ml) universal/POE GLO-STICK® dye capsules
- ▶ **SPE-GS3E** (1) 0.5 oz (15 ml) universal/POE GLO-STICK® dye capsule
- ▶ **RP-BV-50** bleed valve for attaching GLO-STICK® capsule to service hose
- ▶ **RP-EZ-25** 8 in (20 cm) EZ-Ject™ hose assembly
- ▶ **RP-AD-410A** R-410a adapter/purge fitting
- ▶ Purge capsule



Connection:



**NSF**

Universal/POE Dye: NSF Certified to meet food-grade processing requirements for category codes HTX-2 and HX-2



### GLO-STICK® 101E Fluorescent Dye Capsule

#### SPE-GS101E-CS

- ▶ 0.03 oz (0.89 ml) universal/POE dye capsule
- Treats up to:
  - ▶ **15 oz** (445 ml) of lubricant or
  - ▶ **2.9 lbs** (1.3 kg) of refrigerant or
  - ▶ **1 ton** (3.5 kW) of cooling



### GLO-STICK® 1E Fluorescent Dye Capsule

#### SPE-GS1E-CS

- ▶ 0.5 oz (15 ml) universal/POE dye capsule
- Treats up to:
  - ▶ **15.1 oz to 1.6 qt** (445 ml to 1.5 L) of lubricant or
  - ▶ **3 to 4.9 lb** (1.4 to 2.2 kg) of refrigerant or
  - ▶ **2 tons** (7 kW) of cooling



### GLO-STICK® 2E Fluorescent Dye Capsule

#### SPE-GS2E-CS

- ▶ 0.5 oz (15 ml) universal/POE dye capsule
- Treats up to:
  - ▶ **1.7 to 3.2 qt** (1.6 to 3 L) of lubricant or
  - ▶ **5 to 9.9 lb** (2.3 to 4.5 kg) of refrigerant or
  - ▶ **6 tons** (21.1 kW) of cooling



### GLO-STICK® 3E Fluorescent Dye Capsule

#### SPE-GS3E-CS

- ▶ 0.5 oz (15 ml) universal/POE dye capsule
- Treats up to:
  - ▶ **3.3 qt to 2 gal** (3.1 to 7.6 L) of lubricant or
  - ▶ **10 to 25 lb** (4.6 to 11.3 kg) of refrigerant or
  - ▶ **12 tons** (42.2 kW) of cooling



# BigEZ™ (Patented) Fluorescent Dye Injection System

No pouring, no refrigerant, no spills — prefilled BigEZ™ cartridges are clearly labeled with 32 or 64 calibrations so you'll introduce exactly the right amount of dye every time!

- ▶ One calibrated cartridge provides exact dosing for multiple systems.
- ▶ Easily overcomes system pressure.
- ▶ Inject dye with a turn of the handle.

**M-L****Medium-Large  
Sized AC&R Systems**

**AR-GLO® 5E: Brighter  
Performance Dye**

**UP  
TO 200  
PSI**

**Works in all AC&R  
systems, overcomes  
system pressure**



**Co-Solvent  
Free Dye**



## BigEZ™ COMPLETE Fluorescent Leak Detection Kit

### SPE-HVLBEZE

- ▶ **SPE-HVL-CS** violet light LED leak detection lamp
- ▶ **SPE-BEZ5E** 4 oz (118 ml) BigEZ™ fluorescent dye cartridge
- ▶ **RP-BEZ-50** BigEZ™ dye injector assembly
- ▶ **RP-BEZ-25** 8 in (20 cm) BigEZ™ hose assembly with low-loss fitting & check valve

**VIOLET  
LIGHT  
LED**

**3x  
AAA  
Batteries  
Included**

**Fluorescence  
Enhancing**

**GLO-AWAY™  
Plus +**

**Service  
Labels**

**3x Drip  
Plugs**

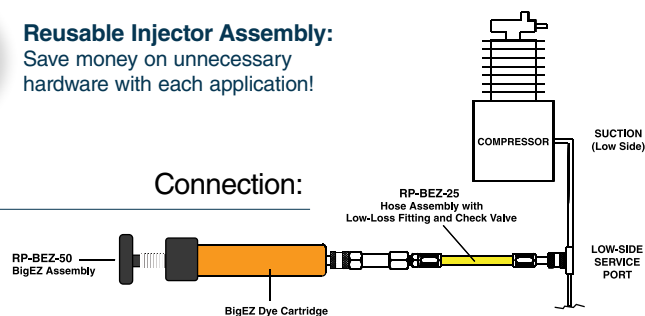


**Reusable Injector Assembly:**  
Save money on unnecessary  
hardware with each application!

**NSF**

Universal/POE Dye: NSF Certified to meet  
food-grade processing requirements for  
category codes HTX-2 and HX-2

### Connection:



## BigEZ™ Fluorescent Dye Cartridge in Clamshell

### SPE-BEZ5E-4CS

- ▶ 4 oz (118 ml) universal/POE dye cartridge
- Treats up to:
  - ▶ **16 gallons** (61 L) of lubricant or
  - ▶ **400 lbs** (181 kg) of refrigerant or
  - ▶ **150 tons** (527.5 kW) of cooling



## BigEZ™ Fluorescent Dye Cartridge

### SPE-BEZ5E-8

- ▶ 8 oz (237 ml) universal/POE dye cartridge
- Treats up to:
  - ▶ **32 gallons** (122 L) of lubricant or
  - ▶ **800 lbs** (362 kg) of refrigerant or
  - ▶ **300 tons** (1055.1 kW) of cooling



## BigEZ™ Fluorescent Dye Cartridge for Oil-Less Systems

### SPE-BEZOLE-4P3

- ▶ (3) 4 oz (118 ml) universal/POE dye cartridges
- Treats a **TOTAL** of up to:
  - ▶ **625 lbs** (283.5 kg) of refrigerant or
  - ▶ **77 tons** (270.8 kW) of cooling

**3  
Pack**

### Also Available:

**SPE-HVLBEZOLE** BigEZ™ COMPLETE  
Fluorescent Leak Detection Kit for **Oil-less** Systems



## AR-GLO® 5E (Patented) Fluorescent Leak Detection Dye

AR-GLO® bottled dyes can be poured directly into any AC&R system. Dye can remain safely in the system to confirm repairs and preform future preventive maintenance checks. Universal/POE dye is compatible with **ALL** refrigerants and lubricants

- ▶ Fluoresces up to **10% brighter**
- ▶ Improved Shelf Life – Up to 5 years!
- ▶ Improved Stability – More tolerant to extreme temperature range & moisture
- ▶ Environmentally Sound – Natural safe raw materials, small carbon footprint
- ▶ Exclusive Formula – From the inventors and most trusted name in fluorescent leak detection



Universal/POE Dye: NSF Certified to meet food-grade processing requirements for category codes HTX-2 and HX-2



### AR-GLO® 5E\* Fluorescent Leak Detection Dye

**SPE-AG5E-16**

- ▶ 16 oz (473 ml) twin neck bottle
- Treats up to:
- ▶ **64 gallons** (242 L) of lubricant

\*Additional sizes available

#### Also Available:

**SPE-AGOLE-16** AR-GLO 5E Fluorescent Leak Detection Dye for Oil-Less Systems

## WATER-GLO® ULTRA (Patented) Fluorescent Leak Detection Dye

Find leaks fast in industrial sized water and water/glycol-based fluid systems. Ideal for heat transfer fluid system applications, including boilers, chillers, geothermal heat pump systems and many more.

- ▶ Highly concentrated dye that fluoresces green
- ▶ Works with Spectroline leak detection lamp
- ▶ Pinpoint leaks in piping, valves, condensers, seals, welds, and fittings
- ▶ Ideal for use as part of a diagnostic/preventive maintenance program



WATER-GLO® Ultra Dye: NSF Certified to meet food-grade processing requirements for category codes G7, GX and HTX-2



### WATER-GLO® ULTRA\* Fluorescent Leak Detection Dye

**SPE-WGG-8CS**

- ▶ 8 oz (237 ml) twin neck bottle
- Treats up to:
- ▶ **500 gallons** (1,893 L) of water

\*Additional sizes available

# GLOSEAL™

## Fluorescent Dye with Sealant

- ▶ Pinpoint micro-leaks with our exclusive, OEM-Grade dye formula
- ▶ 2-in-1 premium dye with powerful sealant
- ▶ Concentrated dye ensures all leaks are found
- ▶ Sealant repairs hidden micro-leaks and stops deterioration from the inside
- ▶ Perfect for preventative maintenance – Scan the system to reveal new leaks
- ▶ Works for you 24/7 – Continuous leak detection and ongoing sealing

S-M

Small-Medium  
Sized AC&R Systems

PREMIUM DYE

+ Powerful Sealant

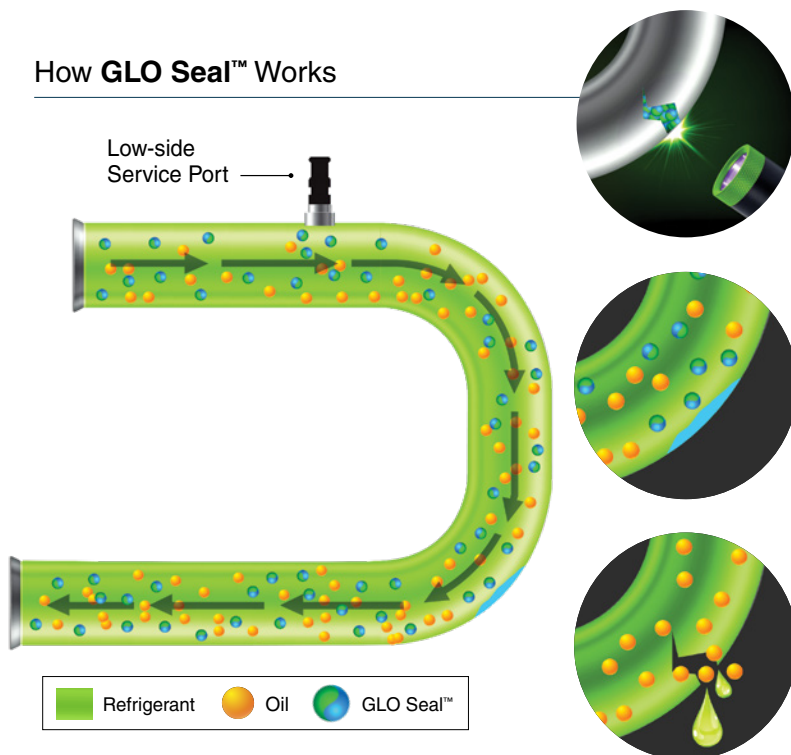
AR-GLO® 5E: Brighter  
Performance DyeUP  
TO 450  
PSIWorks in all AC&R  
systems, overcomes  
system pressure3.5  
TONS  
OF COOLINGIncreased System  
Treatment Capacity

# THE POWER OF GLOSEAL™

OEM-GRADE  
Fluorescent Dye2-IN-1  
SolutionPOWERFUL & SAFE  
Non-Polymer Sealant,  
Not Activated by Air or Moisture24/7  
PerformanceCOMPATIBLE  
with All RefrigerantsMULTIPLE  
Delivery Methods



## How GLO Seal™ Works



1

### Find & Fix Immediate Leaks

Scan the system with a UV Light to find all leak areas glow brightly with GLO Seal™ concentrated dye. Make an external repair to ensure all large leaks are fixed. GLO Seal™ can remain safely in the system.



2

### Seal Difficult to Find Leaks

GLO Seal™ pinpoints the location of all internal micro-leaks, forming a repair from the inside.



3

### 24/7 Leak Detect + Ongoing Sealant

Scan the system periodically to find new leaks. Small, hard-to-find leaks hurt system performance and will eventually lead to total compressor burnout. Have peace of mind as GLO Seal™ works for you 24/7 for continual leak detection and ongoing sealing!

## EZ-Ject™ Injection



### GLO Seal™ Fluorescent Dye + Sealant EZ-Ject™ Dye Injection Kit

#### SPE-EZDSK-CS

- ▶ SPE-EZDS (2) 0.5 oz (15 ml) EZ-Ject™ cartridges prefilled with GLO Seal™ Fluorescent Dye + Sealant
- ▶ RP-EZ-50 EZ-Ject™ dye injector assembly
- ▶ RP-EZ-25 8 in (20 cm) EZ-Ject™ hose assembly
- ▶ RP-AD-410A R-410a adapter/purge fitting
- ▶ Service labels

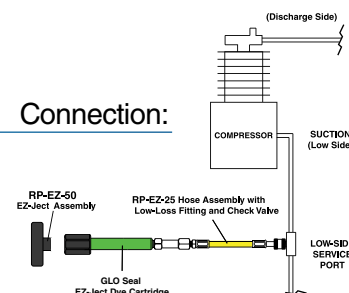
Treats a **TOTAL** of up to:

- ▶ **7 tons** (24.6 kW) of cooling



**Reusable Injector Assembly:**  
Save money on unnecessary hardware with each application!

Connection:



### GLO Seal™ Fluorescent Dye + Sealant EZ-Ject™ Cartridge

#### SPE-EZDS-CS

- ▶ 0.5 oz (15 ml) EZ-Ject™ cartridge prefilled with GLO Seal™ Fluorescent Dye + Sealant
- Treats up to:
- ▶ **3.5 tons** (12.3 kW) of cooling

## Stick Capsule Injection



### GLO Seal™ Fluorescent Dye + Sealant Stick Capsule

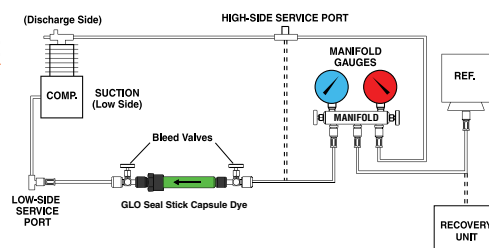
#### SPE-GSDS-CS

- ▶ 0.5 oz (15 ml) stick capsule prefilled with GLO Seal™ Fluorescent Dye + Sealant
- ▶ Requires bleed valves for injection

Treats up to:

- ▶ **3.5 tons** (12.3 kW) of cooling

Connection:



### Bleed Valve

#### RP-BV-50

- ▶ Requires two (not included)

# COOLSEAL™ (Patented)

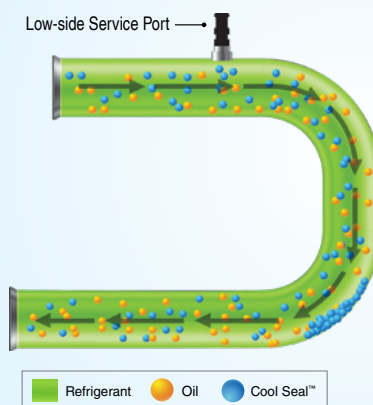
## A/C Leak Sealer

Seals micro leaks in condensers, evaporators, O-rings and hoses. Can add years to older, out-of-warranty AC&R systems that leak small amounts of refrigerant.

- ▶ Works with all popular refrigerants and oils.
- ▶ Remains safely in system to help protect against future leaks.

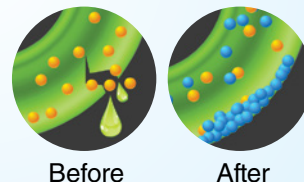
**S-M**
**Small-Medium  
Sized AC&R Systems**

Low-side Service Port →



### HOW IT WORKS:

When the sealant is exposed to an environment where there is a **dramatic drop in pressure and temperature**, a **seal** will begin to form at the leak site until it is fully sealed.



Before

After


**SAFE, NON-POLYMER**  
Oil-Soluble Formula

**UP TO  
450  
PSI**
**Works in all AC&R  
systems, overcomes  
system pressure**

**Meets  
ASHRAE 97 Standards  
for Chemical Stability**


## EZ-Ject™ Injection

**Inject sealant with a turn of the handle!**


### Cool Seal™ EZ-Ject™ Injection Kit

**CS-100CS**

- ▶ **CS-1** (2) 0.5 oz (15 ml) EZ-Ject™ cartridges prefilled with Cool Seal™ A/C Leak Sealer
- ▶ **RP-EZ-50** EZ-Ject™ dye injector assembly
- ▶ **RP-CS-25** 8 in (20 cm) Cool Seal™ EZ-Ject™ hose assembly
- ▶ **RP-AD-410A** R-410a adapter/purge fitting
- ▶ Service labels

Treats a **TOTAL** of up to:

- ▶ **8 tons** (28.1 kW) of cooling

#### Reusable Injector Assembly:

Save money on unnecessary hardware with each application!



### Cool Seal™ EZ-Ject™ Cartridge

**CS-1CS**

- ▶ 0.5 oz (15 ml) EZ-Ject™ cartridge prefilled with Cool Seal A/C Leak Sealer

Treats up to:

- ▶ **4 tons** (14.1 kW) of cooling



## Stick Capsule Injection

**Add sealant and refrigerant in one simple step!**


### Cool Seal™ Stick Capsule

**CS-3CS**

- ▶ 0.5 oz (15 ml) stick capsule prefilled with Cool Seal™ A/C Leak Sealer
- ▶ Requires bleed valves for injection

Treats up to:

- ▶ **4 tons** (14.1 kW) of cooling



### Cool Seal™ Mini-Stick Capsule

**SPE-CSMS-CS**

- ▶ 0.3 oz (10 ml) stick capsule prefilled with Cool Seal™ A/C Leak Sealer
- ▶ Requires bleed valves for injection

Treats up to:

- ▶ **3 tons** (10.6 kW) of cooling



### Bleed Valve

**RP-BV-50**

- ▶ Requires two (not included)

**Also Available:**
**BigEZ™ Injection | CS-2CS Cool Seal™ BigEZ™ Cartridge**



# ACID-BUSTER™ (Patented)

## Acid Scavenging Solution

Ready-to-use solution, eliminates acid-build up and helps prevent compressor burnout. Use for preventative maintenance and repair – it will not contaminate the refrigerant or lubricant or leave behind harmful residue. Compatible with semi-hermetic, hermetic and scroll compressors.

- ▶ Twice as concentrated as competitive solutions
- ▶ Works with all refrigerants and lubricants
- ▶ Direct, reusable injector protects against overdosing



**S-M**

Small-Medium  
Sized AC&R Systems

System Additives & Dye Cleaner



Safe for System  
Components

UP  
TO **450**  
**PSI**

Works in all AC&R  
systems, overcomes  
system pressure



Prevents  
Compressor Burnout



### ACID-BUSTER™ EZ-Ject™ Injection Kit

#### AB-100CS

- ▶ **AB-5** (2) 0.5 oz (15 ml) EZ-Ject™ cartridges prefilled with ACID-BUSTER™ Acid Scavenging Solution
  - ▶ **RP-EZ-50** EZ-Ject™ dye injector assembly
  - ▶ **RP-EZ-25** 8 in (20 cm) EZ-Ject™ hose assembly
  - ▶ **RP-AD-410A** R-410a adapter/purge fitting
  - ▶ Service labels
- Treats a **TOTAL** of up to:
- ▶ **4 tons** (14.1 kW) of cooling



**Reusable Injector Assembly:**  
Save money on unnecessary  
hardware with each application!



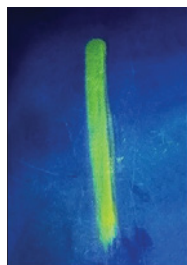
### ACID-BUSTER™ EZ-Ject™ Cartridge

#### AB-5CS

- ▶ 0.5 oz (15 ml) EZ-Ject™ cartridges prefilled with ACID-BUSTER™ Acid Scavenging Solution
- Treats up to
- ▶ **2 tons** (7 kW) of cooling

## GLO-AWAY™ PLUS + Fluorescent Dye Cleaner

- ▶ New formulation that works to **dissolve** fluorescent dye from the leak site.
- ▶ Requires less application & less time removing left over dye.



Other Dye  
Cleaners



**GLO-AWAY™  
PLUS**

### CONCENTRATED FORMULA

Stronger formula makes  
it easier to remove the  
**toughest dye stains.**



### GLO-AWAY™ PLUS Fluorescent Dye Cleaner

#### RP-GA-2

- ▶ 2 oz (60 ml) spray bottle



**UP TO**  
**25 ft** (8 m)  
Inspection  
Range

**3x**  
**AAA**  
Batteries  
Included

**5h**  
Runtime

**Fluorescence  
Enhancing  
(Optional)**

Full-color  
clamshell  
packaging



## SPECTROLINE® Violet LED Leak Detection Flashlight

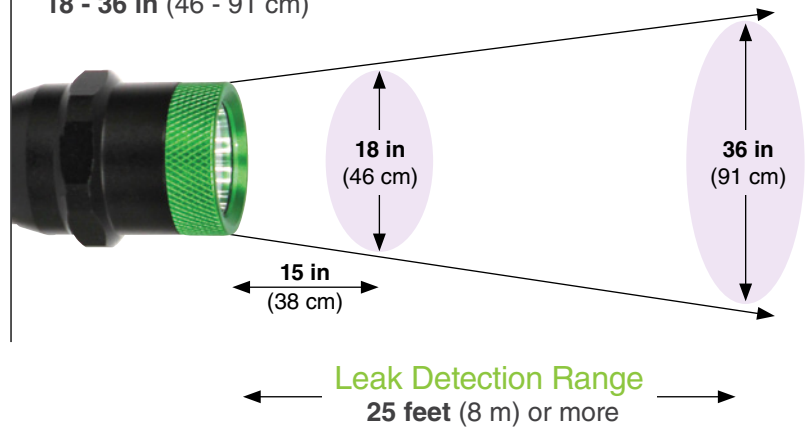
**SPE-HVL-CS**

Battery operated, violet light LED leak detection flashlight that is both economical and powerful. Features a pre-focused beam to optimize fluorescent response, anti-roll cuff, a 5-hour runtime and an inspection range up to 25 ft.

### Includes:

- ▶ 3 AAA batteries
- ▶ Anti-roll cuff
- ▶ Fluorescence enhancing glasses

**Total Coverage Area**  
**18 - 36 in** (46 - 91 cm)



## Specifications

<b>Light Source:</b>	Violet Light LED
<b>Lamp Style:</b>	Cordless Flashlight
<b>Lamp Head Diameter:</b>	1.25 in (3.2 cm)
<b>Length:</b>	5.9 in (15 cm)

<b>Weight:</b>	4.8 oz (0.14 kg)
<b>Power Source:</b>	3 "AAA" batteries
<b>Run Time:</b>	5 hours (continuous)



**USE WITH  
UNIVERSAL/POE  
DYES ONLY**



# ADVANTAGES OF FLUORESCENT LEAK DETECTION



The Spectroline® brand is **trusted** by more **HVAC/R OEMs** than any other brand...

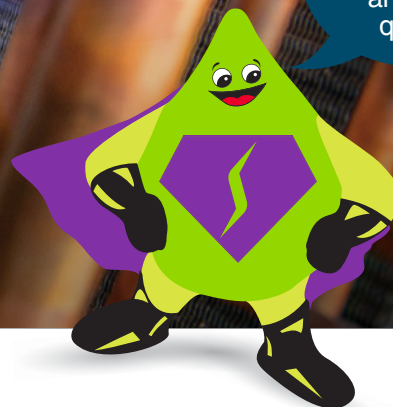


# FREQUENTLY ASKED QUESTIONS



## UV MAN

Here to  
answer your  
questions!



### Why is Spectrolite trusted by more OEMs than any other brand?

Spectronics Corporation invented fluorescent leak detection in 1955. Today, we are the world's leading manufacturer of ultraviolet equipment and fluorescent leak detection dye. Spectrolite products are the first and only choice for AC&R professionals. Our OEM-approved fluorescent dyes are co-solvent free, NSF certified, and can safely remain within AC&R systems.

### How do I use fluorescent leak detection dye?

Simply add our patented dye to the suspect system. Let the dye circulate. Once the dye has permeated the system, scan for leaks with one of our high-intensity leak detection flashlights. All leak sites will glow brightly with escaping fluorescent dye.

### Which injection method should I use?

Use our EZ-Ject™ or GLO-STICK® injection method for small-to-medium sized AC&R systems – such as residential units, ice machines, window units, and refrigerators. Use our BigEZ™ injection method for medium-to-large sized AC&R systems – e.g., commercial units, supermarket units, refrigerated warehouses, food and dairy plants, and industrial facilities. Review our product dosage information for the correct application.

### What are co-solvents and how do they alter system performance?

Co-solvents are chemical substances added to increase the solubility of specific compounds. This means co-solvents harmfully change the original lubricant properties of refrigerant oil. Co-solvents can lead to premature wear and outright damage. Poorly manufactured fluorescent dyes typically contain high levels of co-solvents. In addition to changing system properties, co-solvents have the potential to deteriorate system metals.

### Why is dye concentration important?

Dye fluorescence is dependent on the ratio of fluorescent material to carrier oil. Poor performing dyes typically have low levels of fluorescent material. Simply put, poor dyes lack the concentration necessary to provide an effective fluorescent response. Spectrolite dyes are concentrated and able to fluoresce all leak areas brightly. This means Spectrolite dyes are more economical because less dye is used per application.

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

In small-to-medium sized systems, you can find leaks within minutes. In commercial systems, it may take a few hours for the dye to circulate completely. For preventative maintenance, add Spectrolite dye long before you have a problem. A technician can perform an inspection within a matter of seconds if the dye has already had time to fully circulate.



System Type: ①	Small Systems: Ice Machines, Window A/C Units & Refrigerators	Residential Systems	Light Commercial & Large Residential Systems	Commercial & Light Industrial Systems
<b>EZ-Ject™ Multi-Dose Cartridge for Small to Medium Sized Systems</b>				
Lubricant	Up to 15 oz (445 ml)	15.1 oz to 1.6 qt (445 ml to 1.5 L)	1.7 to 3.2 qt (1.6 to 3 L)	3.3 qt to 2 gal (3.1 to 7.6 L)
Refrigerant Charge	Up to 2.9 lb (1.3 kg)	3 to 4.9 lb (1.4 to 2.2 kg)	5 to 9.9 lb (2.3 to 4.5 kg)	10 to 25 lb (4.6 to 11.3 kg)
Tons of Cooling	Up to 1 ton (3.5 kW)	1.1 to 2 tons (3.9 to 7 kW)	2.1 to 6 tons (7.4 to 21.1 kW)	6.1 to 12 tons (21.5 to 42.2 kW)
Horsepower	Up to 1 Hp	1.1 to 4 Hp	4.1 to 10 Hp	10.1 to 25 Hp
Lines on Cartridge	1 line	2 lines	6 lines	8 - 14 lines

<b>GLO-Stick® Single-Dose Capsules for Small to Medium Sized Systems</b>				
Lubricant	Up to 15 oz (445 ml)	15.1 oz to 1.6 qt (445 ml to 1.5 L)	1.7 to 3.2 qt (1.6 to 3 L)	3.3 qt to 2 gal (3.1 to 7.6 L)
Refrigerant Charge	Up to 2.9 lb (1.3 kg)	3 to 4.9 lb (1.4 to 2.2 kg)	5 to 9.9 lb (2.3 to 4.5 kg)	10 to 25 lb (4.6 to 11.3 kg)
Tons of Cooling	Up to 1 ton (3.5 kW)	1.1 to 2 tons (3.9 to 7 kW)	2.1 to 6 tons (7.4 to 21.1 kW)	6.1 to 12 tons (21.5 to 42.2 kW)
Horsepower	Up to 1 Hp	1.1 to 4 Hp	4.1 to 10 Hp	10.1 to 25 Hp

**Lubricant Type:**

Universal/POE	<b>SPE-GS101E</b>	<b>SPE-GS1E</b>	<b>SPE-GS2E</b>	<b>SPE-GS3E</b>
PVE	<b>SPE-GS101PVE</b>	<b>SPE-GS1PVE</b>	<b>SPE-GS2PVE</b>	<b>SPE-GS3PVE</b>

① Always use the lubricant volume when it is known. Refrigerant charge, tonnage and horsepower are approximations.

GLO-STICK® dye capsules require the use of two RP-BV-50 bleed valves (for use on 1/4 inch flare hose fittings).

<b>BigEZ™ Multi-Dose Cartridge for Medium to Large Sized Systems</b>		
<b>SPE-BEZ5E</b>	<b>BigEZ™ Method</b>	1 line, 1/8 oz (3.7 ml) per 1/2 gal (1.9 L) of lubricant, 12.5 lb (5.7 kg) of refrigerant or 5 tons (17.6 kW) of cooling

<b>Bottled Dyes</b>		
<b>SPE-AG5E-16</b>	<b>AR-GLO® 5E</b>	0.25 oz (7.4 ml) per gallon (3.8 L) of lubricant
<b>SPE-WGG-8CS</b>	<b>WATER-GLO® ULTRA</b>	8 oz (237 ml) per 500 gallons (1,900 L) of water

<b>GLO Seal™ Fluorescent Dye + Sealant for Small to Medium Sized Systems</b>		
<b>SPE-EZDS-CS</b>	<b>EZ-Ject™ Method</b>	Treats up to 3.5 tons (12.3 kW) of cooling
<b>SPE-GSDS-CS</b>	<b>Stick Capsule Method</b>	Treats up to 3.5 tons (12.3 kW) of cooling

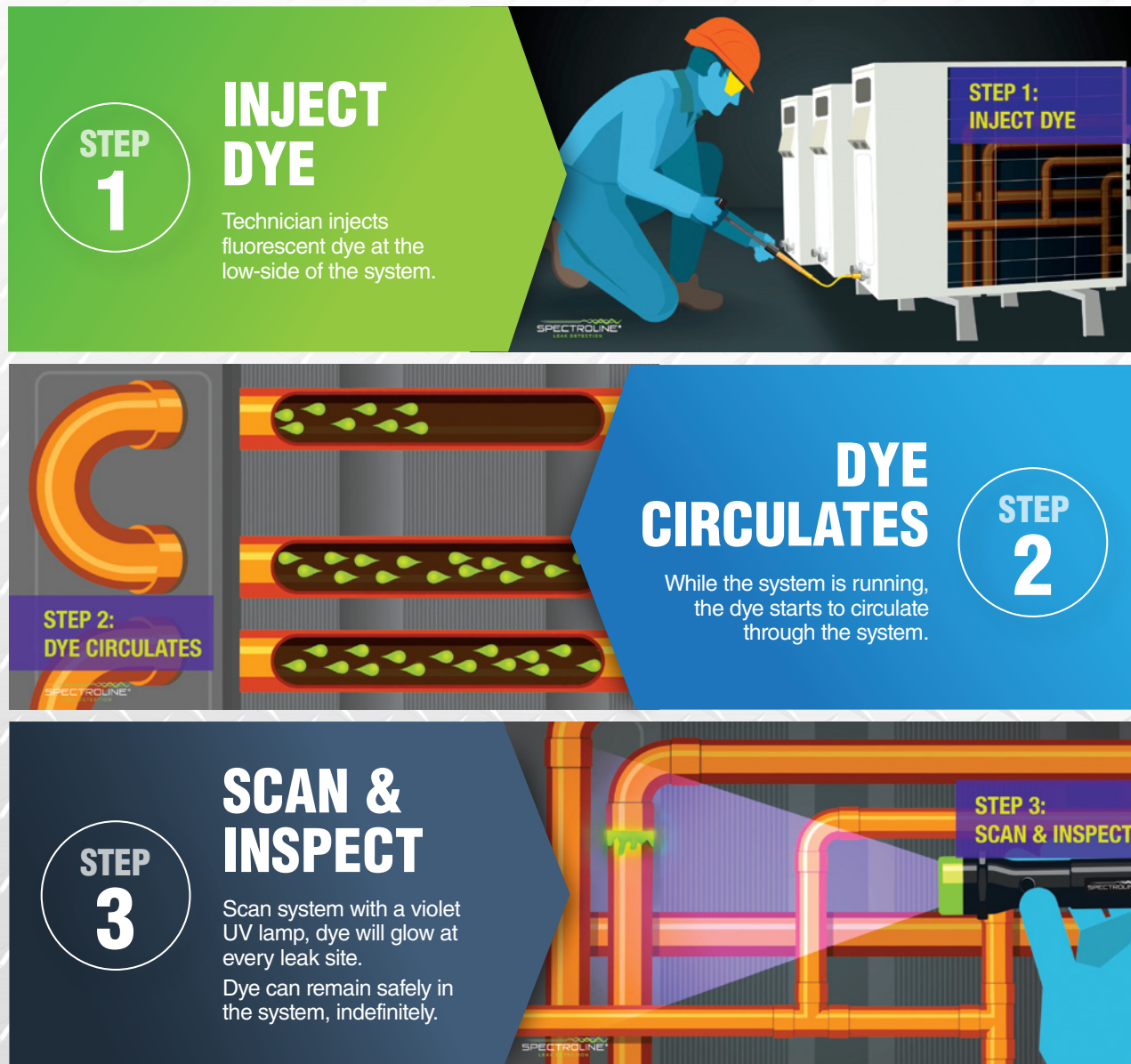
<b>Cool Seal™ A/C Leak Sealer for Small to Medium Sized Systems</b>		
<b>CS-1CS</b>	<b>EZ-Ject™ Method</b>	Treats up to 4 tons (14.1 kW) of cooling
<b>CS-2CS</b>	<b>EZ-Ject™ or BigEZ™ Method</b>	Treats up to 16 tons (56.3 kW) of cooling
<b>CS-3CS</b>	<b>Stick Capsule Method</b>	Treats up to 4 tons (14.1 kW) of cooling
<b>SPE-CSMS-CS</b>	<b>Stick Capsule Method</b>	Treats up to 3 tons (10.6 kW) of cooling

<b>ACID-BUSTER™ Acid Scavenging Solution for Small to Medium Sized Systems</b>		
<b>AB-5CS ①</b>	<b>EZ-Ject™ Method</b>	Treats up to 2 tons (7 kW) of cooling

① On severely acidic systems, double the dosage shown

# SPECTROLINE®

## LEAK DETECTION



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CORPORATION

Long Island, New York | (516) 333-4840

Orders@Spectroline.com

CustomerService@Spectroline.com

[www.Spectroline.com](http://www.Spectroline.com)



DISTRIBUTED BY:



50 Ubi Avenue 3, #05-20 Frontier  
Building, Singapore 408866

Tel: (65) 6571 0668

Fax: (65) 6571 0669

Email: [central@ndt-instruments.com](mailto:central@ndt-instruments.com)



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