

# SPECTROLINE<sup>®</sup>

LEAK DETECTION

# FLUORESCENT LEAK DETECTION AND SYSTEM ADDITIVES

FOR ALL AC&R SYSTEMS



RESIDENTIAL



COMMERCIAL



REFRIGERATION

# FLUORESCENT LEAK DETECTION TOOLS

## WORKING FOR YOU 24/7 – ONCE IN, ALWAYS ON.



Step 1

### ADD DYE

Add a small amount of dye to the system & let it circulate



Step 2

### SCAN SYSTEM

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



## OVER 65 YEARS OF LEAK DETECTION EXPERIENCE

Spectronics Corporation has engineered the highest-quality, premium performance leak detection dyes and products since 1955.

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

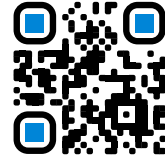
We are a family owned company with three generations of experience in delivering award-winning professional service and the industry's most powerful leak detection dyes, additives and lamps.

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# THE SPECTROLINE® ADVANTAGE

It's important to choose a brand that produces pure, safe, highly concentrated dyes and quality inspection lamps to get the most benefit from the technology.



Scan/Click  
to learn more



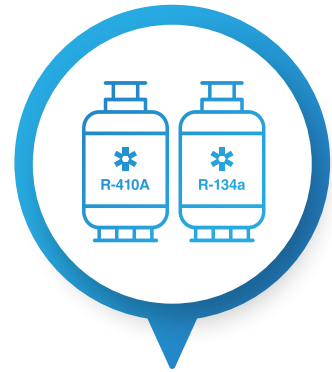
## Quality

- Spectrolin dyes are true solutions of organic fluorescent fluorophores within inert carrier fluids



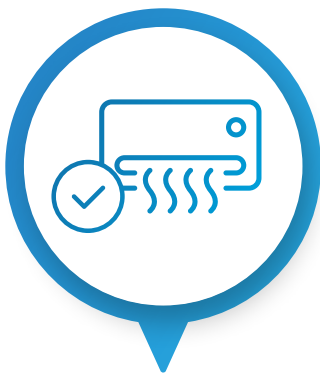
## Versatile

- Safe for all types of units
- Ranging from small to large systems



## Compatible

- With all popular refrigerants and lubricants



## Industry Tested

- Extensive testing
- **Proven safe** for AC&R systems
- Meets **ASHRAE 97** Standards for chemical stability



## System Safe

- **Fully miscible**, filtered down to 2 microns
- Will **NOT** affect operating characteristics of any system



## Specifically Formulated

- Without particulate matter
- **Cannot** be filtered out or separated





# 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 Systems



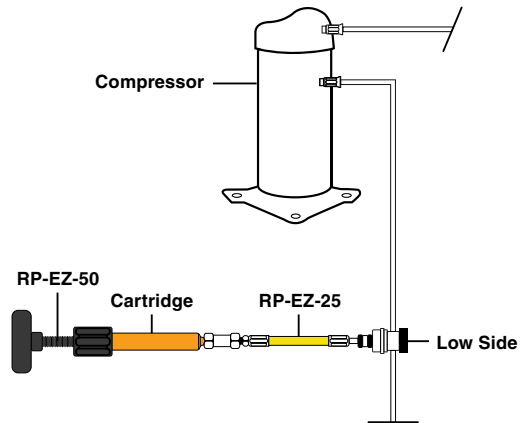
**AR-GLO® 5E:** Brighter  
Performance Dye

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

Works in all AC&R  
systems, overcomes  
system pressure



Co-Solvent  
Free Dye



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

Product No.	Description	Treats up to
<b>SPE-HVLEZE</b>	<b>EZ-Ject™ COMPLETE Fluorescent Leak Detection Kit:</b> ▶ <b>SPE-HVL-CS</b> UV LED leak detection lamp ▶ <b>(2) SPE-EZ5E</b> 0.5 oz (15 ml) universal/POE dye cartridges ▶ <b>RP-EZ-50</b> EZ-Ject™ dye injector assembly ▶ <b>RP-EZ-25</b> 8 in (20 cm) EZ-Ject™ hose assembly ▶ <b>RP-UVS-40</b> Fluorescence-enhancing glasses ▶ <b>RP-AD-410A</b> R-410a adapter/purge fitting ▶ <b>RP-GA-2</b> GLO-AWAY™ PLUS concentrated fluorescent dye cleaner	<b>4 gal</b> (15.2 L) of lubricant or <b>50 lbs</b> (22.6 kg) of refrigerant or <b>24 tons</b> (84.4 kW) of cooling
<b>SPE-EZ5E-CS</b>	(1) 0.5 oz (15 ml) EZ-Ject™ universal/POE dye cartridge	<b>2 gal</b> (7.6 L) of lubricant or <b>25 lbs</b> (11.3 kg) of refrigerant or <b>12 tons</b> (42.2 kW) of cooling
<b>SPE-EZ100E-CS</b>	<b>EZ-Ject™ Dye Injection Kit:</b> ▶ <b>(2) SPE-EZ5E</b> 0.5 oz (15 ml) universal/POE dye cartridges ▶ <b>RP-EZ-50</b> EZ-Ject™ dye injector assembly ▶ <b>RP-EZ-25</b> 8 in (20 cm) EZ-Ject™ hose assembly ▶ <b>RP-AD-410A</b> R-410a adapter/purge fitting	<b>4 gal</b> (15.2 L) of lubricant or <b>50 lbs</b> (22.6 kg) of refrigerant or <b>24 tons</b> (84.4 kW) of cooling



Universal/POE Dye: NSF Certified to meet food-grade processing requirements for category codes HTX2 and HX-2





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

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

- ▶ Available in **3 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



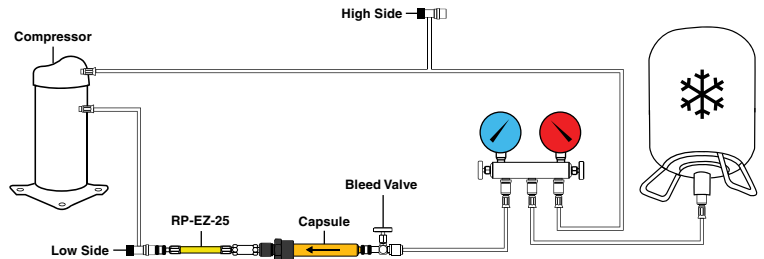
**AR-GLO® 5E:** Brighter Performance Dye

**UP TO 450 PSI**

Works in all AC&R systems, overcomes system pressure



Co-Solvent Free Dye



- UV LED
- 3x AAA Batteries Included
- Fluorescence Enhancing
- GLO-AWAY™ Plus +
- Service Labels
- 3x Drip Plugs

Product No.	Description	Treats up to
<b>SPE-HVLGSE</b>	<b>GLO-STICK® COMPLETE Fluorescent Leak Detection Kit:</b> ▶ SPE-HVL-CS UV LED leak detection lamp ▶ (1) SPE-GS1E 0.5 oz (15 ml) dye capsule ▶ (2) SPE-GS2E 0.5 oz (15 ml) dye capsules ▶ (1) SPE-GS3E 0.5 oz (15 ml) dye capsule ▶ RP-BV-50 bleed valve ▶ RP-EZ-25 8 in (20 cm) EZ-Ject™ hose assembly ▶ RP-UVS-40 Fluorescence-enhancing glasses ▶ RP-AD-410A R-410a adapter/purge fitting ▶ RP-GA-2 GLO-AWAY™ PLUS concentrated fluorescent dye cleaner ▶ <b>Purge capsule</b>	See below for dosage amounts of the GLO-STICK® capsules
<b>SPE-GS1E-CS</b>	<b>GLO-STICK® 1E</b> (1) 0.5 oz (15 ml) universal/POE fluorescent dye capsule	<b>1.6 qt</b> (1.5 L) of lubricant or <b>4.9 lb</b> (1.4 to 2.2 kg) of refrigerant or <b>2 tons</b> (7 kW) of cooling
<b>SPE-GS2E-CS</b>	<b>GLO-STICK® 2E</b> (1) 0.5 oz (15 ml) universal/POE fluorescent dye capsule	<b>1.7 to 3.2 qt</b> (1.6 to 3 L) of lubricant or <b>5 to 9.9 lb</b> (2.3 to 4.5 kg) of refrigerant or <b>6 tons</b> (21.1 kW) of cooling
<b>SPE-GS3E-CS</b>	<b>GLO-STICK® 3E</b> (1) 0.5 oz (15 ml) universal/POE fluorescent dye capsule	<b>3.3 qt to 2 gal</b> (3.1 to 7.6 L) of lubricant or <b>10 to 25 lb</b> (4.6 to 11.3 kg) of refrigerant or <b>12 tons</b> (42.2 kW) of cooling

**For systems using PVE lubricant:** SPE-GS1PVE-P6, SPE-GS2PVE-P6, SPE-GS3PVE-P6



Universal/POE Dye: NSF Certified to meet food-grade processing requirements for category codes HTX2 and HX-2



# 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



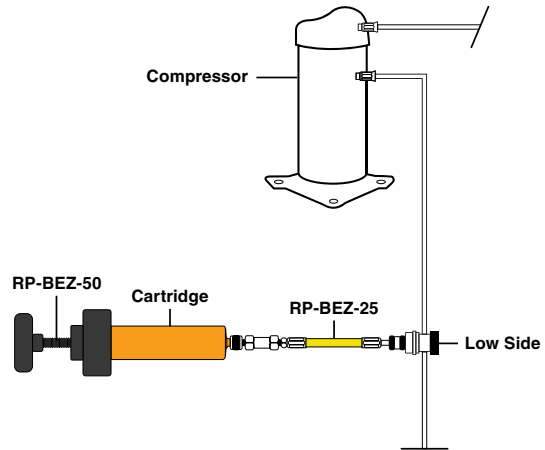
**AR-GLO® 5E: Brighter Performance Dye**

**UP TO 200 PSI**

Works in all AC&R systems, overcomes system pressure



Co-Solvent Free Dye



- UV 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!



Product No.	Description	Treats up to
<b>SPE-HVLBEZE</b>	<b>BigEZ™ COMPLETE Fluorescent Leak Detection Kit:</b> <ul style="list-style-type: none"> <li>▶ <b>SPE-HVL-CS</b> UV LED leak detection lamp</li> <li>▶ <b>SPE-BEZ5E</b> 4 oz (118 ml) BigEZ™ fluorescent dye cartridge</li> <li>▶ <b>RP-BEZ-50</b> BigEZ™ dye injector assembly</li> <li>▶ <b>RP-BEZ-25</b> 8 in (20 cm) BigEZ™ hose assembly with low-loss fitting &amp; check valve</li> <li>▶ <b>RP-UVS-40</b> Fluorescence-enhancing glasses</li> <li>▶ <b>RP-GA-2</b> GLO-AWAY™ PLUS concentrated fluorescent dye cleaner</li> </ul>	<b>16 gallons</b> (61 L) of lubricant or <b>400 lbs</b> (181 kg) of refrigerant or <b>150 tons</b> (527.5 kW) of cooling
<b>SPE-BEZ5E-4CS</b>	(1) 4 oz (118 ml) BigEZ™ universal/POE dye cartridge	<b>16 gallons</b> (61 L) of lubricant or <b>400 lbs</b> (181 kg) of refrigerant or <b>150 tons</b> (527.5 kW) of cooling
<b>SPE-AG5E-16</b>	<b>AR-GLO® 5E Fluorescent Leak Detection Dye</b> <ul style="list-style-type: none"> <li>▶ (1) 16 oz (473 ml) twin neck bottle</li> </ul>	<b>64 gallons</b> (242 L) of lubricant

**Also Available: SPE-BEZOLE-4P3**  
(3) 4 oz (118 ml) BigEZ™ Fluorescent Dye Cartridge for Oil-Less Systems



Universal/POE Dye: NSF Certified to meet food-grade processing requirements for category codes HTX2 and HX-2



# SYSTEM ADDITIVES

Professional Grade Solutions to Protect AC&R Systems from Leaks

**GLOSEAL™**  
Fluorescent Dye with Sealant

New

24/7 PROTECTION

UP TO 450 PSI

2:1 Solution

**COOLSEAL™**  
A/C Leak Sealer

NON-POLYMER

UP TO 450 PSI

**ACID-BUSTER™**  
Acid Scavenging Solution

ACID

UP TO 450 PSI

PREVENT COMPRESSOR BURNOUT

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

FILTERED DOWN TO 2 MICRONS

HEAT TRANSFER FLUID SYSTEM APPLICATIONS

NSF

# THE POWER OF GLO SEAL™



Safe, **non-polymer oil-soluble** formula



**Not** activated by moisture or oxygen



**Non-flammable** or hazardous



Compatible with **all refrigerants**



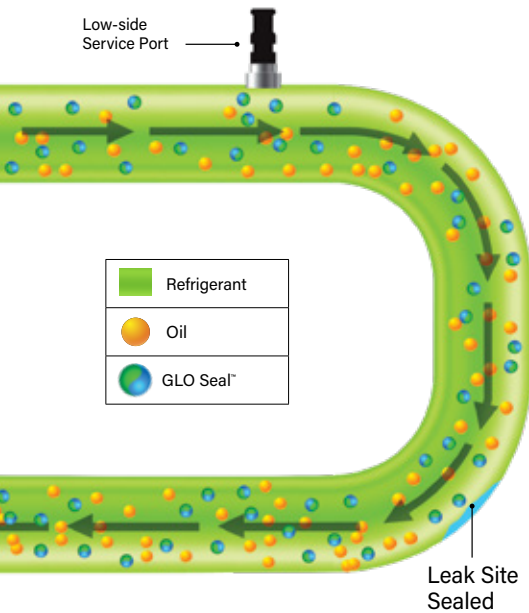
**Soft, pliable seal** will **not** cause blockage



**No additional** fluids or particles

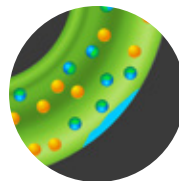


Remains **safely** in **all AC&R systems**



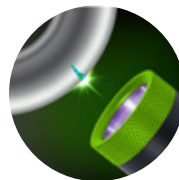
## Scan System with UV Light

Inspect system, leak sites will 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.



## Seal Difficult to Find Leaks

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



## 24/7 Leak Detect + Ongoing Sealant

Scan the system periodically to find new leaks. GLO Seal™ works 24/7 for continual leak detection and ongoing sealing.

## Syringe Injection

### GLO Seal™ Fluorescent Dye + Sealant Single-Use Syringe & Dual Adapter Injection Kit

- ▶ Patented dual pivoting adapter easily switches from 5/16" or 1/4" flare fittings
- ▶ Ideal for mini-splits and small appliances

Product No.	Description	Treats
<b>SPE-SDSK-CS</b> <b>New</b>	(1) Single-use syringe injector prefilled with GLO Seal™ Fluorescent Dye + Sealant	<b>0.5 - 2.5 tons</b> (1.76 - 8.79 kW) of cooling



SCAN/CLICK FOR HOW-TO-USE VIDEO





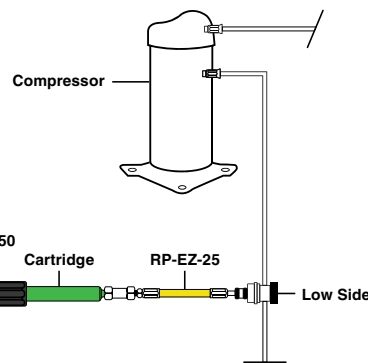


# EZ-Ject™ Injection

# S-M

# Small-Medium Sized AC&R Systems

System Additives



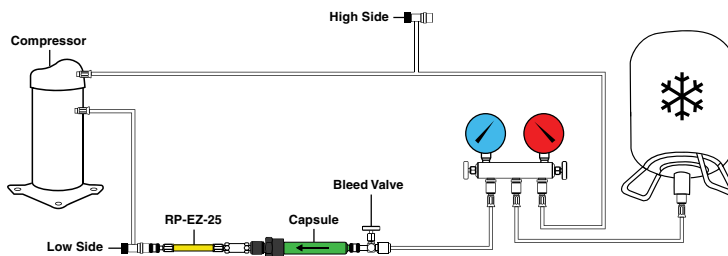
Product No.	Description	Treats up to
<b>SPE-MVLEZDS</b> <b>New</b>	<b>GLO Seal™ EZ-Ject™ COMPLETE Fluorescent Leak Detection Kit:</b> <ul style="list-style-type: none"> <li>▶ <b>SPE-MVL-CS</b> Mini UV LED leak detection lamp</li> <li>▶ <b>(4) SPE-EZDS</b> 0.5 oz (15 ml) EZ-Ject™ cartridges prefilled with GLO Seal™ Fluorescent Dye + Sealant</li> <li>▶ <b>RP-EZ-50</b> EZ-Ject™ dye injector assembly</li> <li>▶ <b>RP-EZ-25</b> 8 in (20 cm) EZ-Ject™ hose assembly</li> <li>▶ <b>RP-UVS-40</b> Fluorescence-enhancing glasses</li> <li>▶ <b>RP-AD-410A</b> R-410a adapter/purge fitting</li> <li>▶ <b>RP-GA-2</b> GLO-AWAY™ PLUS concentrated fluorescent dye cleaner</li> </ul>	<b>3.5 tons (12.3 kW)</b> of cooling ( <b>x4</b> )
<b>SPE-EZDS-CS</b>	(1) EZ-Ject™ cartridge prefilled with GLO Seal™ Fluorescent Dye + Sealant	<b>3.5 tons (12.3 kW)</b> of cooling
<b>SPE-EZDSK-CS</b>	<b>GLO Seal™ EZ-Ject™ Dye Injection Kit:</b> <ul style="list-style-type: none"> <li>▶ <b>(2) SPE-EZDS</b> 0.5 oz (15 ml) EZ-Ject™ cartridges prefilled with GLO Seal™ Fluorescent Dye + Sealant</li> <li>▶ <b>RP-EZ-50</b> EZ-Ject™ dye injector assembly</li> <li>▶ <b>RP-EZ-25</b> 8 in (20 cm) EZ-Ject™ hose assembly</li> <li>▶ <b>RP-AD-410A</b> R-410a adapter/purge fitting</li> </ul>	<b>7 tons (24.6 kW)</b> of cooling



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



# Stick Capsule Injection



Product No.	Description	Treats up to
<b>SPE-MVLGSDS</b> <b>New</b>	<b>GLO Seal™ STICK COMPLETE Fluorescent Leak Detection Kit:</b> <ul style="list-style-type: none"> <li>▶ <b>SPE-MVL-CS</b> Mini UV LED leak detection lamp</li> <li>▶ <b>(4) SPE-GSDS</b> 0.5 oz (15 ml) stick capsule prefilled with GLO Seal™ Fluorescent Dye + Sealant</li> <li>▶ <b>RP-BV-50</b> bleed valve</li> <li>▶ <b>RP-EZ-25</b> 8 in (20 cm) EZ-Ject™ hose assembly</li> <li>▶ <b>RP-UVS-40</b> Fluorescence-enhancing glasses</li> <li>▶ <b>RP-AD-410A</b> R-410a adapter/purge fitting</li> <li>▶ <b>RP-GA-2</b> GLO-AWAY™ PLUS concentrated fluorescent dye cleaner</li> <li>▶ <b>Purge capsule</b></li> </ul>	<b>3.5 tons (12.3 kW)</b> of cooling ( <b>x4</b> )
<b>SPE-GSDS-CS</b>	(1) Stick capsule prefilled with GLO Seal™ Fluorescent Dye + Sealant	<b>3.5 tons (12.3 kW)</b> of cooling



# 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



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

**UP TO 450 PSI**

Works in all AC&R systems, overcomes system pressure

**4 TONS**  
OF COOLING

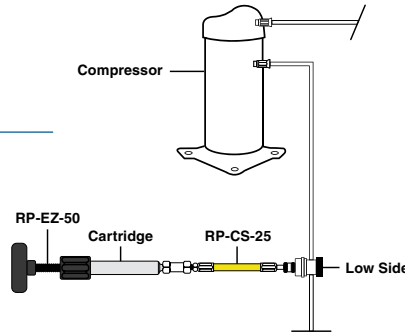
System Treatment Capacity



## EZ-Ject™ Injection

### Cool Seal™ A/C Leak Sealer

- ▶ 0.5 oz (15 ml) cartridge
- ▶ Use with EZ-Ject™ Injector System



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

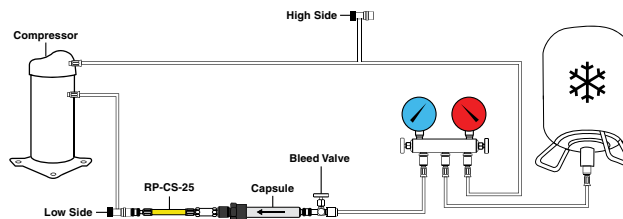
Product No.	Description	Treats up to
<b>CS-1CS</b>	(1) EZ-Ject™ cartridge prefilled with Cool Seal™ A/C Leak Sealer	<b>4 tons</b> (14.1 kW) of cooling
<b>CS-100CS</b>	<b>Cool Seal™ EZ-Ject™ Dye Injection Kit:</b> ▶ (2) CS-1 0.5 oz (15 ml) EZ-Ject™ cartridges prefilled with Cool Seal™ A/C Leak Sealer ▶ <b>RP-EZ-50</b> EZ-Ject™ dye injector assembly ▶ <b>RP-CS-25</b> 8 in (20 cm) Cool Seal™ EZ-Ject™ hose assembly ▶ <b>RP-AD-410A</b> R-410a adapter/purge fitting ▶ <b>Service labels</b>	<b>8 tons</b> (28.1 kW) of cooling



## Stick Capsule Injection

### Cool Seal™ A/C Leak Sealer

- ▶ 0.5 oz (15 ml) stick capsule
- ▶ Requires bleed valve for injection



Product No.	Description	Treats up to
<b>CS-3CS</b>	(1) Stick capsule prefilled with Cool Seal™ A/C Leak Sealer	<b>4 tons</b> (14.1 kW) of cooling
<b>RP-BV-50</b>	Bleed valve (sold separately)	



# 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



Safe for System  
Components

UP TO  
**450**  
PSI

Works in all AC&R  
systems, overcomes  
system pressure



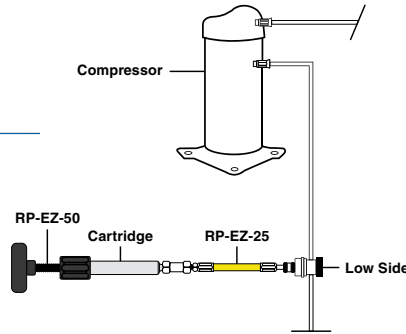
Prevents  
Compressor Burnout



### EZ-Ject™ Injection

#### ACID-BUSTER™ Acid Scavenging Solution

- ▶ 0.5 oz (15 ml) cartridge
- ▶ Use with EZ-Ject™ Injector System



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

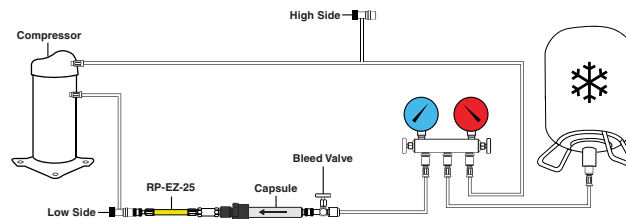
Product No.	Description	Treats up to
<b>AB-5CS</b>	(1) EZ-Ject™ cartridge prefilled with ACID-BUSTER™ Acid Scavenging Solution	<b>2 tons</b> (7 kW) of cooling
<b>AB-100CS</b>	<b>ACID-BUSTER™ EZ-Ject™ Dye Injection Kit:</b> ▶ (2) AB-5CS 0.5 oz (15 ml) EZ-Ject™ cartridges prefilled with ACID-BUSTER™ Acid 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	<b>4 tons</b> (14.1 kW) of cooling



### Stick Capsule Injection

#### ACID-BUSTER™ Acid Scavenging Solution

- ▶ 0.5 oz (15 ml) stick capsule
- ▶ Requires bleed valve for injection



Product No.	Description	Treats up to
<b>SPE-ABS-CS</b>	(1) Stick capsule prefilled with ACID-BUSTER™ Acid Scavenging Solution	<b>2 tons</b> (7 kW) of cooling
<b>RP-BV-50</b>	Bleed valve (sold separately)	

# WATER-GLO® ULTRA

(Patented)  
Fluorescent Leak Detection Dye

Find leaks fast in industrial sized water and water/glycol-based fluid systems. Concentrated dye that fluoresces green and works in both static and circulating fluid systems.

**IDEAL FOR:**

- ▶ Heat transfer fluid system applications – boilers, chillers, geothermal heat pump systems and many more.



M-L

Medium-Large  
Sized Systems



Brighter  
Performance Dye

FILTERED  
DOWN TO  
**2**  
MICRONS

**FULLY MISCIBLE:**  
High Quality, non-particulate &  
filtered down to 2 microns.



Co-Solvent  
Free Dye

## WATER-GLO® ULTRA

Fluorescent Leak Detection Dye

- ▶ 8 oz (237 ml) twin neck bottle
- ▶ Full color hanging clamshell

Product No.	Description	Treats up to
<b>SPE-WGG-8CS*</b>	WATER-GLO® ULTRA Fluorescent Leak Detection Dye	<b>500 gallons</b> (1,893 L) of water

\*Additional sizes available



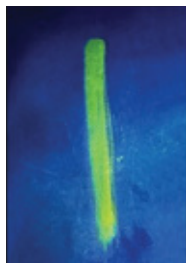
WATER-GLO® Ultra Dye: NSF Certified to meet food-grade processing requirements for category codes G7, GX and HTX2



## 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

- ▶ 2 oz (60 ml) spray bottle

Product No.	Description
<b>RP-GA-2</b>	GLO-AWAY™ PLUS Fluorescent Dye Cleaner



# SPECTROLINE® UV LED Leak Detection Lamp

## SPE-HVL-CS

- ▶ Battery Operated
- ▶ Provides optimal fluorescent dye response and contrast
- ▶ Features an anti-roll cuff
- ▶ Durable anodized body for years of heavy use

 USE WITH UNIVERSAL/POE DYES ONLY

Full-color clamshell packaging



 UV LED

 UP TO 25ft (8m) Inspection Range

 3x AAA Batteries Included

 5h Runtime

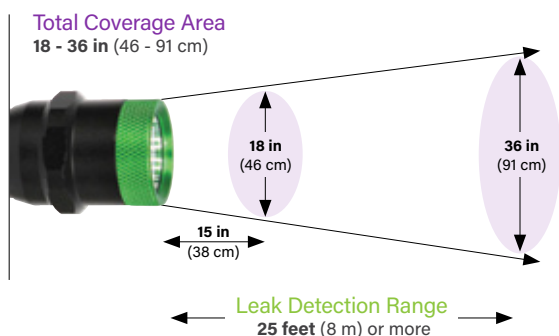
 Fluorescence Enhancing (Optional)

## Specifications

<b>Light Source:</b>	LED
<b>Lamp Style:</b>	Cordless Lamp
<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)

**NOTE:** For most applications, our UV lamp does not require fluorescence-enhancing glasses.

 Reveals even the smallest refrigerant leaks!



# SPECTROLINE® Mini UV LED Leak Detection Lamp

## SPE-MVL-CS

- ▶ Battery operated
- ▶ Economical, compact light for finding leaks
- ▶ Perfect for tight spaces
- ▶ Durable anodized body with lanyard

 USE WITH UNIVERSAL/POE DYES ONLY

Full-color clamshell packaging



 UV LED

 UP TO 5ft (1.5m) Inspection Range

 3x AAA Batteries Included

 3.5h Runtime

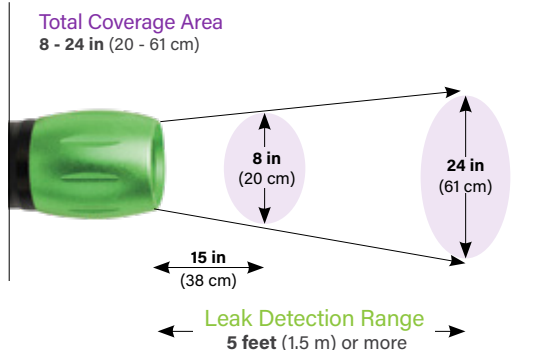
 Fluorescence Enhancing (Optional)

## Specifications

<b>Light Source:</b>	LED
<b>Lamp Style:</b>	Cordless Lamp
<b>Lamp Head Diameter:</b>	1.3 in (3.3 cm)
<b>Length:</b>	3.85 in (9.8 cm)
<b>Weight:</b>	3.52 oz (0.1 kg)
<b>Power Source:</b>	3 "AAA" batteries
<b>Run Time:</b>	3.5 hours (continuous)

**NOTE:** For most applications, our UV lamp does not require fluorescence-enhancing glasses.

 Perfect size for tight spaces



# FREQUENTLY ASKED QUESTIONS



## UV MAN

Here to  
answer your  
questions!



### Q: Why is Spectroline trusted by more OEMs than any other brand?

**A:** Spectronics Corporation invented fluorescent leak detection in 1955. Today, we are the world's leading manufacturer of ultraviolet equipment and fluorescent leak detection dyes and system additives.

Spectroline 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.

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

**A:** 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 lamps. All leak sites will glow brightly with escaping fluorescent dye.

### Q: Which injection method should I use?

**A:** **For small-to-medium sized AC&R systems:** use our EZ-Ject™ or GLO-STICK® injection methods for applications such as residential units, ice machines, window units, and refrigerators.

**For medium-to-large sized AC&R systems:** use our BigEZ™ injection method for applications such as commercial units, supermarket units, refrigerated warehouses, food and dairy plants, and industrial facilities.

Review our product dosage information for the correct application.

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

**A:** 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.

### Q: Why is dye concentration important?

**A:** 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.

Spectroline dyes are **concentrated** and able to fluoresce all leak areas brightly. This means Spectroline dyes are **more economical** because less dye is used per application.

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

**A:** 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 Spectroline 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.

<b>System Type:</b> ①	<b>Small Systems:</b> Ice Machines, Window A/C Units & Refrigerators	<b>Residential Systems</b>	<b>Light Commercial &amp; Large Residential Systems</b>	<b>Commercial &amp; Light Industrial Systems</b>
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**EZ-Ject™ Multi-Dose Cartridge for Small to Medium Sized Systems**

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

**GLO-Stick® Single-Dose Capsules for Small to Medium Sized Systems**

Lubricant	—	Up to 1.6 qt (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 4.9 lb (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 2 tons (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 4 Hp	4.1 to 10 Hp	10.1 to 25 Hp

**Lubricant Type:**

Universal/POE	—	<b>SPE-GS1E</b>	<b>SPE-GS2E</b>	<b>SPE-GS3E</b>
PVE	—	<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).

**BigEZ™ Multi-Dose Cartridge for Medium to Large Sized Systems**

<b>SPE-BE25E</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
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**SYSTEM ADDITIVES:**

**GLO Seal™ Fluorescent Dye + Sealant for Small to Medium Sized Systems**

<b>SPE-SDSK-CS</b>	<b>Syringe Method</b>	Treats 0.5 - 2.5 tons (1.76 - 8.79 kW) of cooling
<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

**Cool Seal™ A/C Leak Sealer for Small to Medium Sized Systems**

<b>CS-1CS</b>	<b>EZ-Ject™ Method</b>	Treats up to 4 tons (14.1 kW) of cooling
<b>CS-3CS</b>	<b>Stick Capsule Method</b>	Treats up to 4 tons (14.1 kW) of cooling

**ACID-BUSTER™ Acid Scavenging Solution for Small to Medium Sized Systems**

<b>AB-5CS</b>	<b>EZ-Ject™ Method</b>	Treats up to 2 tons (7 kW) of cooling
<b>SPE-ABS-CS</b>	<b>Stick Capsule Method</b>	Treats up to 2 tons (7 kW) of cooling

② On severely acidic systems, double the dosage shown

**Bottled Dyes for Medium to Large Sized Systems**

<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





# SPECTROLINE®

LEAK DETECTION



## RESIDENTIAL

Mini-Splits  
Window Units  
Packaged Units



## COMMERCIAL



Office Building  
Retail Shops  
Conference Halls  
Industrial Facilities



## REFRIGERATION

Supermarkets  
Ice machines  
Refrigerated Warehouses  
Food & Dairy Plants



Trusted for Over 65 Years



BRISTOL  
COMPRESSORS



Copeland  
brand products



FUJITSU

Honeywell

SANYO



**SPECTRONICS**  
CORPORATION

265 Spagnoli Rd, #100, Melville, NY 11747  
(516) 333.4840 | [Orders@Spectroline.com](mailto:Orders@Spectroline.com)  
[www.Spectroline.com](http://www.Spectroline.com)



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