

2023

SPECTROLINE®
LEAK DETECTION

FLUORESCENT LEAK DETECTION & SYSTEM ADDITIVES



FOR ALL
AC&R
SYSTEMS

SPECTROLINE®
LEAK DETECTION

EZ-Ject™ COMPLETE FLUORESCENT LEAK DETECTION KIT | KIT COMPLET DE DÉTECTION FLUORESCENTE DE FUITES | KIT FLUORESCENTE COMPLETO PARA DETECCIÓN DE FUGAS

(2) Multi-Dose Dye Cartridge | Co-Solvent Free Dye | 450 PSI | Works in All AC&R Systems, Including High-Pressure R-410a

S-M TREATS ALL SMALL-MEDIUM SIZED AC&R SYSTEMS

AR-GLO™ SE FLUORESCES BRIGHTER

(2) SPE-EZSE 6.5 oz (19 ml) EZ-Ject™ Universal POE Fluorescent Dye Cartridge | 128404 2 oz (60 ml) GLO-AWAY™ PLUS Fluorescent Dye Cleaner | EZ-50 EZ-Ject™ Dye Injector Assembly | EZ-25 EZ-Ject™ Hose Assembly | SPE-UVL-C5 Visual Light LED Leak Detector



Residential A/C



Commercial A/C



Refrigeration

PROFESSIONAL GRADE SOLUTIONS



FLUORESCENT **LEAK DETECTION TOOLS**

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



Step 1

ADD DYE

Add dye to the system & let it circulate



Step 2

SCAN LAMP

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

The Original Fluorescent Leak Detection Solution!

Table of Contents

Spectroline Advantage	3	WATER-GLO® ULTRA Fluorescent Leak Detection Dye..	12
Dye Injection Systems		Dye Cleaner	
EZ-Ject™ Dye Injection System	4	GLO-AWAY™ PLUS Fluorescent Dye Cleaner	12
GLO-STICK® Dye Capsule System.....	5	Leak Detection Lamps	13
BigEZ™ Dye Injection System.....	6	FAQ	14
AR-GLO® 5E Fluorescent Leak Detection Dye	6	Dosage Charts	15
System Additives			
GLO Seal™ Fluorescent Dye with Sealant	8-9		
Cool Seal™ A/C Leak Sealer	10		
ACID-BUSTER™ Acid Scavenging Solution.....	11		

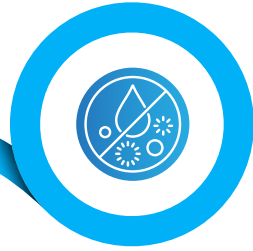
THE SPECTROLINE ADVANTAGE

Fluorescent Leak Detection is an extremely accurate and effective way to find HVAC/R leaks. It's important to choose a brand who produces pure, safe, highly concentrated dyes and quality inspection lamps to get the most benefit from the technology.

Highly concentrated, fully miscible dye



Co-solvent free, non-particulate formula



Exclusive Formula from the inventors & most trusted name in fluorescent leak detection.



SPECTROLINE®
LEAK DETECTION

The brand that more AC&R service professionals trust.

Detect small, multiple & intermittent leaks



Meets **ASHRAE 97 Standards** for Chemical Stability



NSF certified



Dye can remain in systems indefinitely. Ideal means of cutting emissions.



Easily implemented into a comprehensive preventative maintenance program.



SPECTRONICS CORPORATION

Inventors & Pioneers

For over 67 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 and system additives 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.



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**



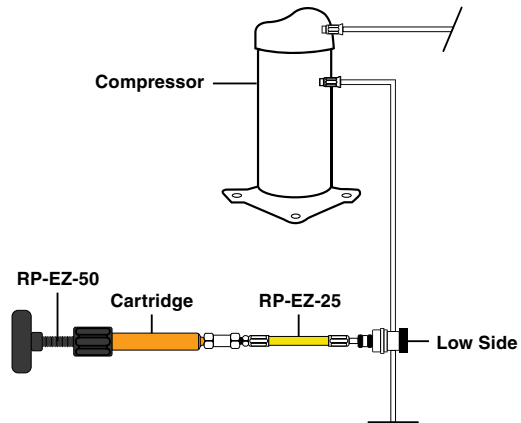
**AR-GLO® 5E: Brighter
Performance Dye**

**UP TO
450
PSI**

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



**Co-Solvent
Free Dye**



- 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
SPE-HVLEZE	EZ-Ject™ COMPLETE Fluorescent Leak Detection Kit: <ul style="list-style-type: none"> ▶ SPE-HVL-CS UV LED leak detection lamp ▶ (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 	4 gal (15.2 L) of lubricant or 50 lbs (22.6 kg) of refrigerant or 24 tons (84.4 kW) of cooling
SPE-EZ5E-CS	(1) 0.5 oz (15 ml) EZ-Ject™ universal/POE dye cartridge	2 gal (7.6 L) of lubricant or 25 lbs (11.3 kg) of refrigerant or 12 tons (42.2 kW) of cooling
SPE-EZ100E-CS	EZ-Ject™ Dye Injection Kit: <ul style="list-style-type: none"> ▶ (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 	4 gal (15.2 L) of lubricant or 50 lbs (22.6 kg) of refrigerant or 24 tons (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



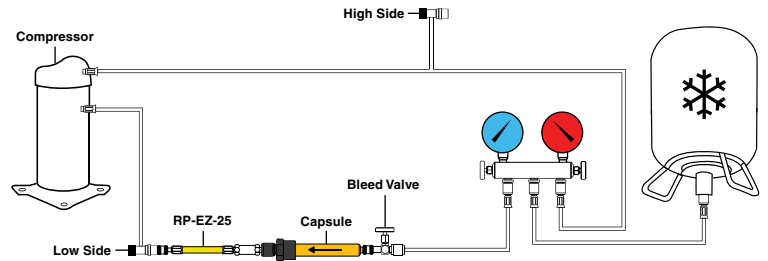
AR-GLO® 5E: Brighter Performance Dye

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
SPE-HVLGSE	GLO-STICK® COMPLETE Fluorescent Leak Detection Kit: <ul style="list-style-type: none"> ▶ 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-AD-410A R-410a adapter/purge fitting ▶ Purge capsule 	See below for dosage amounts of the GLO-STICK® capsules
SPE-GS1E-CS	GLO-STICK® 1E (1) 0.5 oz (15 ml) universal/POE fluorescent dye capsule	1.6 qt (1.5 L) of lubricant or 4.9 lb (1.4 to 2.2 kg) of refrigerant or 2 tons (7 kW) of cooling
SPE-GS2E-CS	GLO-STICK® 2E (1) 0.5 oz (15 ml) universal/POE fluorescent dye capsule	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
SPE-GS3E-CS	GLO-STICK® 3E (1) 0.5 oz (15 ml) universal/POE fluorescent dye capsule	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

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



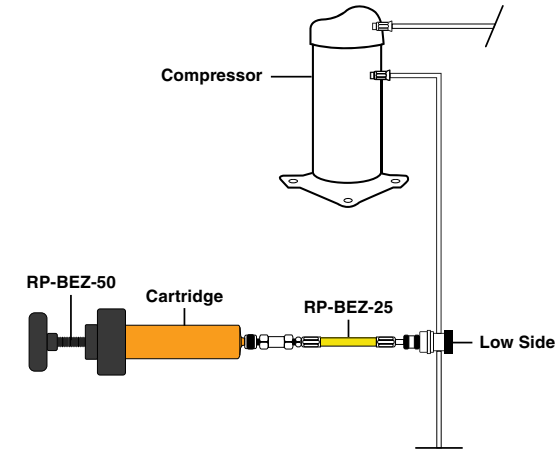
AR-GLO® 5E: Brighter Performance Dye

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
SPE-HVLBEZE	BigEZ™ COMPLETE Fluorescent Leak Detection Kit: ▶ SPE-HVL-CS UV 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	16 gallons (61 L) of lubricant or 400 lbs (181 kg) of refrigerant or 150 tons (527.5 kW) of cooling
SPE-BEZ5E-4CS	(1) 4 oz (118 ml) BigEZ™ universal/POE dye cartridge	16 gallons (61 L) of lubricant or 400 lbs (181 kg) of refrigerant or 150 tons (527.5 kW) of cooling
SPE-AG5E-16	AR-GLO® 5E Fluorescent Leak Detection Dye ▶ (1) 16 oz (473 ml) twin neck bottle	64 gallons (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

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™

PREMIUM DYE

OEM-Grade
Fluorescent Dye

2-in-1 Solution

Works with All Refrigerants

2^{IN}1
Solution

+ POWERFUL SEALANT

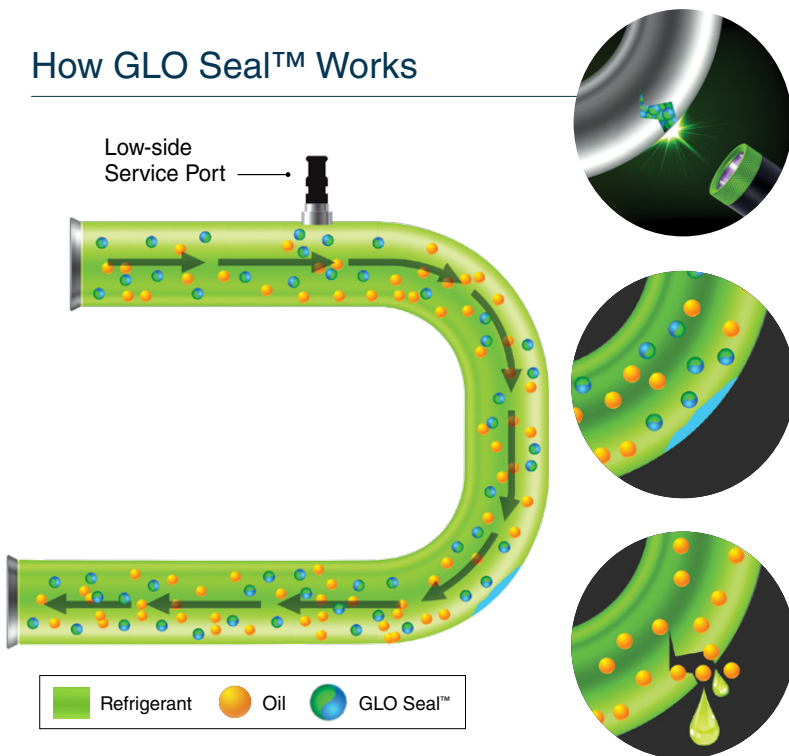
Powerful & Safe Non-Polymer Sealant,
Not Activated by Air or Moisture

24/7 Performance

Multiple 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!

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

System Additives

2 IN 1
Solution



SCAN FOR VIDEO



AR-GLO® 5E: Brighter
Performance Dye

**UP TO 450
PSI**

Works in all AC&R
systems, overcomes
system pressure

**3.5
TONS
OF COOLING**

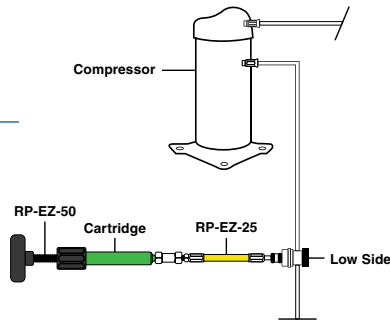
Increased System
Treatment Capacity



EZ-Ject™ Injection

GLO Seal™ Fluorescent Dye + Sealant

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



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

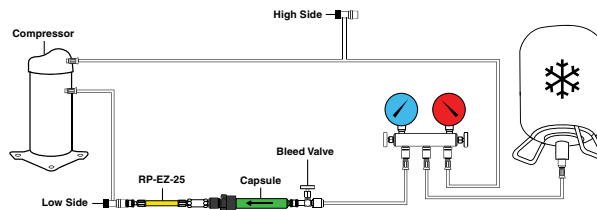
Product No.	Description	Treats up to
SPE-EZDS-CS	(1) EZ-Ject™ cartridge prefilled with GLO Seal™ Fluorescent Dye + Sealant	3.5 tons (12.3 kW) of cooling
SPE-EZDSK-CS	GLO Seal™ EZ-Ject™ Dye Injection Kit: ▶ (2) SPE-EZDS 0.5 oz (15 ml) EZ-Ject™ cartridges prefilled with GLO Seal™ Fluorescent Dye + Sealant ▶ 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 adapter	7 tons (24.6 kW) of cooling



Stick Capsule Injection

GLO Seal™ Fluorescent Dye + Sealant

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



Product No.	Description	Treats up to
SPE-GSDS-CS	(1) Stick capsule prefilled with GLO Seal™ Fluorescent Dye + Sealant	3.5 tons (12.3 kW) of cooling
RP-BV-50	Bleed valve (sold separately)	

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

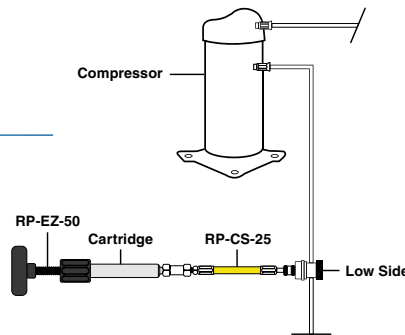
System Treatment Capacity



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!

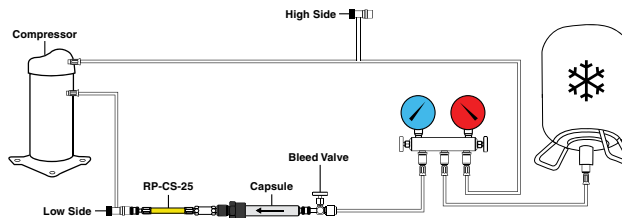
Product No.	Description	Treats up to
CS-1CS	(1) EZ-Ject™ cartridge prefilled with Cool Seal™ A/C Leak Sealer	4 tons (14.1 kW) of cooling
CS-100CS	Cool Seal™ EZ-Ject™ Dye Injection Kit: ▶ (2) CS-1 0.5 oz (15 ml) EZ-Ject™ cartridges prefilled with Cool Seal™ A/C Leak Sealer ▶ RP-EZ-50 EZ-Ject™ dye injector assembly ▶ RP-CS-25 8 in (20 cm) Cool Seal™ EZ-Ject™ hose assembly ▶ RP-AD-410A R-410a adapter/purge fitting ▶ Service labels	8 tons (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
CS-3CS	(1) Stick capsule prefilled with Cool Seal™ A/C Leak Sealer	4 tons (14.1 kW) of cooling
RP-BV-50	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



Safe for System Components

UP TO 450 PSI

Works in all AC&R systems, overcomes system pressure



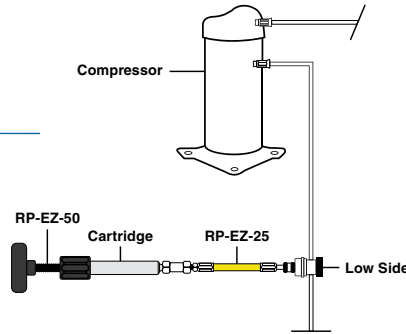
Prevents Compressor Burnout



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!

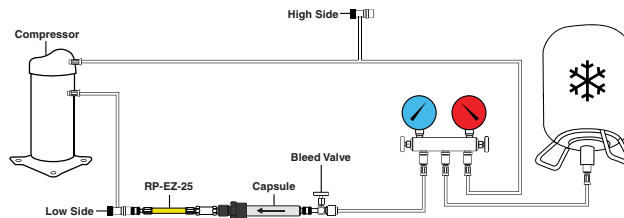
Product No.	Description	Treats up to
AB-5CS	(1) EZ-Ject™ cartridge prefilled with ACID-BUSTER™ Acid Scavenging Solution	2 tons (7 kW) of cooling
AB-100CS	ACID-BUSTER™ EZ-Ject™ Dye Injection Kit: <ul style="list-style-type: none"> ▶ (2) SPE-EZDS 0.5 oz (15 ml) EZ-Ject™ cartridges prefilled with ACID-BUSTER™ 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 adapter 	4 tons (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
SPE-ABS-CS	(1) Stick capsule prefilled with ACID-BUSTER™ Acid Scavenging Solution	2 tons (7 kW) of cooling
RP-BV-50	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
and 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
SPE-WGG-8CS*	WATER-GLO® ULTRA Fluorescent Leak Detection Dye	500 gallons (1,893 L) of water

*Additional sizes available



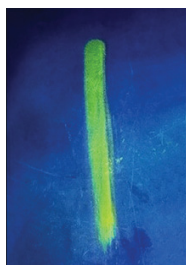
WATER-GLO® Ultra Dye: NSF Certified to meet food-grade processing requirements for category codes G7, GX and HTX2



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
RP-GA-2	GLO-AWAY™ PLUS Fluorescent Dye Cleaner

SPECTROLINE® UV LED Leak Detection Flashlight

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



UP TO
25ft (8 m)
Inspection
Range

3x
AAA
Batteries
Included

5h
Runtime


Fluorescence
Enhancing
(Optional)

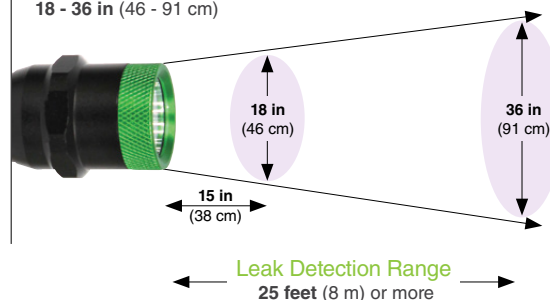
Specifications

Light Source:	LED
Lamp Style:	Cordless Flashlight
Lamp Head Diameter:	1.25 in (3.2 cm)
Length:	5.9 in (15 cm)
Weight:	4.8 oz (0.14 kg)
Power Source:	3 "AAA" batteries
Run Time:	5 hours (continuous)

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



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



Leak Detection Range
25 feet (8 m) or more

SPECTROLINE® Mini UV LED Leak Detection Flashlight

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



UP TO
5ft (1.5 m)
Inspection
Range

3x
AAA
Batteries
Included

3.5h
Runtime


Fluorescence
Enhancing
(Optional)

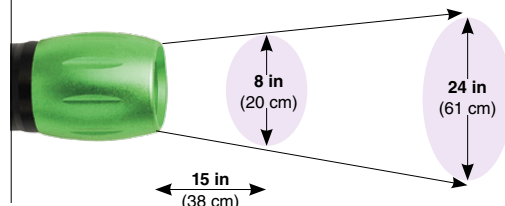
Specifications

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

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



Total Coverage Area
8 - 24 in (20 - 61 cm)



Leak Detection Range
5 feet (1.5 m) or more

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 flashlights. 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.

System Type: ①

Small Systems:
Ice Machines, Window
A/C Units & Refrigerators

**Residential
Systems**

**Light Commercial &
Large Residential
Systems**

**Commercial &
Light Industrial
Systems**

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	n/a	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	n/a	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	n/a	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	n/a	Up to 4 Hp	4.1 to 10 Hp	10.1 to 25 Hp

Lubricant Type:

Universal/POE	n/a	SPE-GS1E	SPE-GS2E	SPE-GS3E
PVE	n/a	SPE-GS1PVE	SPE-GS2PVE	SPE-GS3PVE

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		
SPE-BEZ5E	BigEZ™ Method	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

SYSTEM ADDITIVES:

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

Cool Seal™ A/C Leak Sealer for Small to Medium Sized Systems		
CS-1CS	EZ-Ject™ Method	Treats up to 4 tons (14.1 kW) of cooling
CS-3CS	Stick Capsule Method	Treats up to 4 tons (14.1 kW) of cooling

ACID-BUSTER™ ② Acid Scavenging Solution for Small to Medium Sized Systems		
AB-5CS	EZ-Ject™ Method	Treats up to 2 tons (7 kW) of cooling
SPE-ABS-CS	Stick Capsule Method	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		
SPE-AG5E-16	AR-GLO® 5E	0.25 oz (7.4 ml) per gallon (3.8 L) of lubricant
SPE-WGG-8CS	WATER-GLO® ULTRA	8 oz (237 ml) per 500 gallons (1,900 L) of water



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