SPECTROLINE®
LEAK DETECTION

FLUORESCENT DYE INJECTION SYSTEMS

Spectroline® offers 2 different injection delivery methods, each appropriate for treating small to medium sized AC&R systems, including high-pressure R-410a systems.

EZ-Ject™ Injection System

Multi-dose Cartridge Application

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

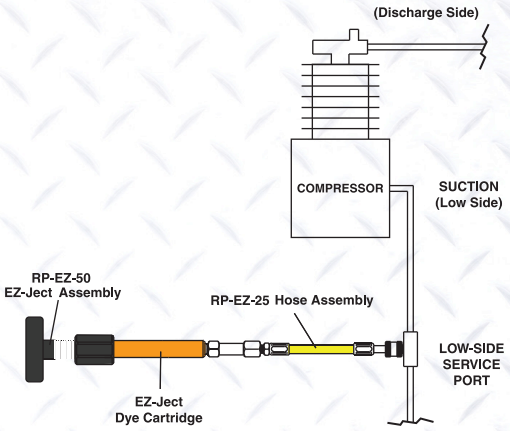
- No pouring and no refrigerant required for injection.
- Inject with the turn of the handle
- Injector easily overcomes system pressure

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

INJECTION TIPS:

- Do not connect the injector to system when it is in vacuum.
- The system must contain enough refrigerant to operate the compressor and circulate the dye in order to find leaks.

System Type: ①	Residential Systems	Commercial & Light Industrial Systems
EZ-Ject™ Multi-Dose Cartridge for Small to Medium Sized Systems		
Lubricant	15.1 oz to 1.6 qt (445 ml to 1.5 L)	3.3 qt to 2 gal (3.1 to 7.6 L)
Refrigerant Charge	3 to 4.9 lb (1.4 to 2.2 kg)	10 to 25 lb (4.6 to 11.3 kg)
Tons of Cooling	1.1 to 2 tons (3.9 to 7 kW)	6.1 to 12 tons (21.5 to 42.2 kW)
Horsepower	1.1 to 4 Hp	10.1 to 25 Hp
Lines on Cartridge	2 lines	8 - 14 lines



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
Cool Seal™ A/C Leak Sealer for Small to Medium Sized Systems		
CS-1CS / CS-1/15CS	**EZ-Ject™ Method**	Treats up to 4 tons (14.1 kW) of cooling / Contractor Pack of (15) cartridges treats a total of 60 tons (211 kW) of cooling

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GLO-STICK® Injection System

Single-dose Capsule Application

Convenient, mess-free way to add refrigerant and system additive in one simple step.

- One-time use capsules
- 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

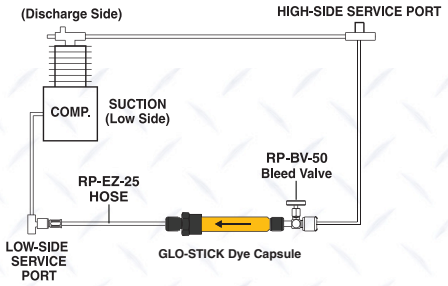
INJECTION TIPS:

- While system is operating, allow the refrigerant to flow through the GLO-STICK capsule and flush the dye into the system
- System compressor needs enough refrigerant to fully circulate the dye

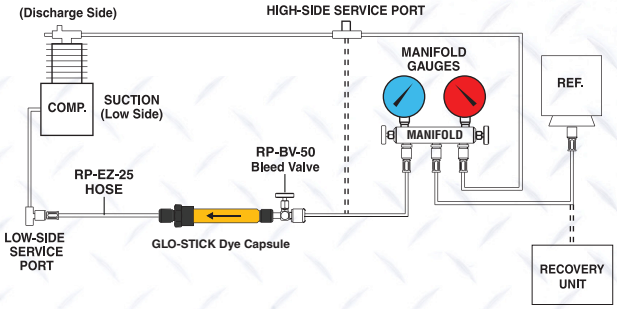
System Type: ①	Small Systems: Ice Machines, Window A/C Units & Refrigerators	Residential Systems	Light Commercial & Large Residential Systems	Commercial & Light Industrial Systems
GLO-Stick® Single-Dose Capsules for Small to Medium Sized Systems				
Lubricant	Up to 15 oz (445 ml)	15.1 oz to 1.6 qt (445 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
Lubricant Type:				
Universal/POE	**SPE-GS101E**	**SPE-GS1E**	**SPE-GS2E**	**SPE-GS3E**

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).

OPTION 1



OPTION 2



GLO Seal™ Fluorescent Dye + Sealant for Small to Medium Sized Systems		
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-3CS	**Stick Capsule Method**	Treats up to 4 tons (14.1 kW) of cooling

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