

Build Your Solar Chemical Injector System

Build Your System in 4 Easy Steps!

1 Pump Size

Select based on your pressure and flow requirements:

- Pressures: 0-10,000 psi (689 bar, 68.9 MPa)
- Flow*: 0-40 gpd (151.4 lpd)

**Flows above 40 gpd require multiple solar panels and batteries.
Contact Graco for more information.*

2 Injection Rate Controller

Select based on your control requirements:

- Harrier™ LT: Basic time based control
- Harrier: Time and cycle based control with auxiliary switch for DC power
- Harrier AC: Time and cycle based control with auxiliary switch for AC power
- Harrier+: Adaptive flow assurance with remote, cellular connectivity for monitoring and control (Class 1, Division 2 certified for Hazardous Location)

3 Power System

Select based on your pump demands and location

Solar panel:

- 50W
- 90W
- 150W (also available for Class 1, Division 2 applications)

Battery type:

- Lead acid, 96 Ah
- Premium AGM, 105 Ah (recommended for extreme temperatures)

4 Chemical Compatibility

Select your seal type depending on your chemical handling requirements:

- HNBR
- FKM
- FKM ETP
- TFEP
- FFKM



Wolverine™ Series DC Solar Systems

Graco chemical injection systems run off solar energy so there's no gas exhaust released in to the atmosphere. System configurations come with the necessary hardware to get you up and running in no time.

1 Basic – Great for simple installations

- Harrier LT Injection Rate Controller – time based control
- Wolverine Simplex Electric Pump, 1/11 hp
 - Max flow = 20 gpd (75 lpd)
 - Max pressure = 3,500 psi (241 bar, 24.1 MPa)
- Solar panels up to 90W
- Lead acid battery, 96 Ah
- Can be installed by one technician in less than 30 minutes



2 Advanced – Great for extreme environments

- Harrier Injection Rate Controller – cycle based control to improve the injection accuracy
- Wolverine Simplex or Duplex Electric Pump, 1/11 or 1/5 hp
 - Max flow = 40 gpd (150 lpd)
 - Max pressure = 10,000 psi (689 bar, 68.9 MPa)
- Solar panels up to 90W
- Premium AGM battery, 105 Ah
- Operating temperatures from -40°F to 135°F (-40°C to 57°C)



3 Premium – Great for critical applications

- Harrier+ Injection Rate Controller – adaptive flow control technology for injection accuracy and assurance
- Control and monitor your system from your mobile device
- Wolverine Simplex or Duplex Electric Pump, 1/11 or 1/5 hp
 - Max flow = 40 gpd (150 lpd)
 - Max pressure = 10,000 psi (689 bar, 68.9 MPa)
- Solar panels up to 150W
- Premium AGM battery, 105 Ah
- Operating temperatures from -40°F to 135°F (-40°C to 57°C)

