

end to the solenoid valve as shown in the diagram above.
on pool pump and check for water leaks.
CO₂ tank valve and use soapy water to check for CO₂ leaks at regulator
5.
orarily apply power to the solenoid and use soapy water to check for
eaks at tubing ends and fittings. Remove power when finished.

the AQL-CHEM2 or AQL-CHEM2-240

EM2(-240) is supplied with a 6' power cord and is designed to plug into
r 240VAC Goldline pH Dispense Pigtail that is included with the AQL-
he pigtail must be wired directly to the pH output on the Aqua Rite Pro or
e operating with software version 4.00 or later. For Pro Logics using
ion less than 4.00, the pigtail must be connected to an internal relay in
e. Installation instructions for the pigtail are provided with the AQL-

CHEM2 into the 120VAC pigtail or the AQL-CHEM2-240 into the 240VAC
proper configuration, the Aqua Rite Pro or Pro Logic will automatically
QL-CHEM2(-240) when the pool's pH level requires adjustment.

ation and Operation

ing the AQL-CHEM2(-240), the Aqua Rite Pro or Pro Logic's Chemistry
d must be completed. Refer to the AQL-CHEM and Aqua Rite Pro or Pro
s for information on how to complete the wizard as well as pH dispense

Questions?

www.goldlinecontrols.com for latest manual revisions,
additional information and helpful service.

**Work less, play more™
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A HAYWARD COMPANY
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SENSE AND DISPENSE

Total Pool Chemistry for Aqua Rite™ Pro and Pro Logic®



Installation and Operation Manual

for

AQL-CHEM2 AQL-CHEM2-240

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A HAYWARD COMPANY

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the late
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on
 M2 is a 120VAC CO₂ dispense kit designed for use with a Goldline Aqua
 ator or Pro Logic pool control. The AQL-CHEM2-240 is identical to
 M2, but uses 240VAC. When used with the AQL-CHEM sensing kit, the
 (-240) solves the problem of how to provide low cost pH control for
 without having to handle acid. The AQL-CHEM2(-240) is designed to
 ard CO₂ tank and wire directly to the Aqua Rite Pro or Pro Logic.
 CHEM sensing kit, the Aqua Rite Pro or Pro Logic will sense the pH
 ed, the AQL-CHEM2(-240) will inject CO₂ into the pool water. CO₂ is
 en dissolved in water and will lower the pool's pH slowly without the
 concerns normally associated with harsher acids.

Included

M2 and AQL-CHEM2-240 includes the following:
 ing regulator preset at 50 psi output
 (-CHEM2) or 240VAC (AQL-CHEM2-240) solenoid valve with 6' power

and spare (only use one)
 resistant flexible tubing
 ve injector

Operation and availability

M2(-240) kit requires the use of CO₂ which is supplied in cylinders that
 able from various sources. CO₂ cylinders are offered in a variety of
 recommends the use of 20 pound cylinders for most residential pool
 e AQL-CHEM2(-240) uses a standard fitting for these tanks. CO₂ can
 at local and national welding supply or beverage companies. A quick
 eb with the keywords "CO₂ supply" will yield many companies, some
 of branch/store locations nationwide.

Installation

AQL-CHEM2 or AQL-CHEM2-240 requires the following steps:

1. Use commercially available straps
 2. Attach solenoid valve to the CO₂ tank
 3. Attach check valve injector to the pool's return plumbing
 4. Attach acid valve into the pigtail of the Aqua Rite Pro or Pro Logic pool control
 5. Connect Aqua Rite Pro or Pro Logic to control the AQL-CHEM2(-240)

6. Assumes that the Goldline AQL-CHEM Chemistry Kit and the pH Dis-
 (included with AQL-CHEM) have already been installed. If not, this will
 be performed prior to installation. Refer to the AQL-CHEM manual for instal-
 lations.

CO₂ tank

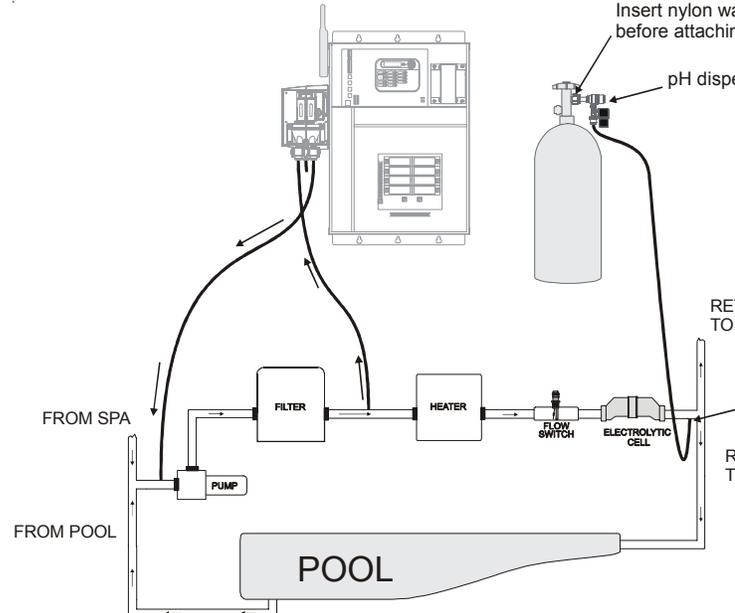
1. Install CO₂ tank in an easily accessible location. Straps or brackets can be pur-
 chased from the tank supplier and must be used for a secure installation.

Attaching the solenoid valve

The solenoid valve attaches to the CO₂ tank much like an outdoor gas
 appliance to a propane tank. With the tank valve off, insert the included nylon wa-
 shers into the fitting of the AQL-CHEM2(-240) solenoid valve on to the CO₂ ta-
 nk. If the fitting washer is lost or destroyed, a spare is provided. Keep the tank's va-
 lve closed until the entire installation is complete.

Installing the PVC check valve

When installing the PVC check valve, refer to the plumbing overview
 diagram for the AQL-CHEM and AQL-CHEM2(-240) shown below. The PVC check valve
 is installed at the pool's return line DOWNSTREAM of the electrolytic cell a-
 nd before the heater. Because mild acid will be dispensed at this location, it should be
 installed in the return line before water is allowed to flow back to the
 pool. The injection point must be free of air pockets and should be located
 (or close to the underside) of the pipe.



To install the check valve, perform the following steps:

1. Turn off pool filter pump.
2. Drain water from the return line.
3. Drill a 7/16" hole in the bottom side of the return line AFTER the electrolytic cell and flow switch.
4. Tap the hole for a 1/4" NPT. Use caution not to tap tapered threads.
5. Apply plumber's tape to check valve threads and screw into the hole. DO NOT OVERTIGHTEN.
7. Connect one end of the provided 3/8" flexible hose to the check valve.