Leak test and repair procedures

CAUTION

NEVER TIGHTEN, LOOSEN, OR ATTEMPT TO REMOVE A PRESSURIZED FITTING

1. Apply a leak detector to all fitting connections—we recommend using Snoop® Liquid Leak Detector.
2. Thoroughly inspect all fitting connections for bubbles, which indicate a leak. Be sure to note or mark the locations where leaks are found.
3. If leaks are found, vent gas from the dispenser.
4. Ensure the dispenser is completely vented; please refer to *Owner's Manual* for proper venting procedures.

CAUTION

If a leak appears downstream of an inlet valve, you must flip the authorization handle to the ON position, forcing the valve(s) to open and release the trapped gas. Continue flipping the authorization handle OFF and ON until the pressure gauge reads 0 psi and all venting sounds have ceased.

5. Loosen and re-tighten the fittings where leaks are found; most fittings can be repaired simply by tightening them.
6. Re-pressurize the dispenser and reapply the leak detector at 100 psi. If no leaks are detected, continue pressurizing the dispenser, reapplying the leak detector at every 500 psi interval.

   NOTE: If leaks persist, contact Technical Support.

POS and card-lock systems

Kraus dispensers are shipped in "standalone mode." If you are incorporating a POS (point-of-sale) or card-lock system with the dispenser, you must disengage "standalone mode" by removing the jumper from terminal 14.

Card-lock systems

Please refer to the table below when making electrical connections for card-lock systems:

WIRE # (colour)	FUNCTION	DESCRIPTION
14 (BRN)	Authorize input	When the handle switch is turned **ON**, the Micon applies 2.7Ω capacitive reactance between this line and *wire #2* to serve as an authorize-request load for self-serve equipment.
15 (GRY)	Authorize return signal	(Handle switch). 120V AC wll be present on this line when 120V AC is applied to *wire #14* with the handle switch on.
18 (BLU)	Vol. pulse (-)	(Output). This line provides a pulse for each specified fraction of a unit of volume.
19 (WHT/BLU)	Vol. pulse (+)	This line is normally connected to the pulse power supply positive line (+30 volts max., DC only) and provides power to the volume pulser line.

POS systems

Please refer to the table below when making electrical connections for POS systems:

WIRE # (colour)	FUNCTION	DESCRIPTION
9 (PNK)	2-wire (-)	Negative communication wire
10 (TAN)	2-wire (+)	Positive communication wire

QUICK-START GUIDE

Document No. 267AY35.MNL.R01

Fleet (High Style) CNG Dispenser

This guide is designed to help you start-up and configure your dispenser as quickly as possible, assuming all electrical and mechanical installations have been completed safely and accordingly. Please refer to the accompanying owner's manual for more details on the procedures and dispenser-components mentioned in this guide.

CAUTION

Electrical installations must only be carried out by licensed electrical journeymen.

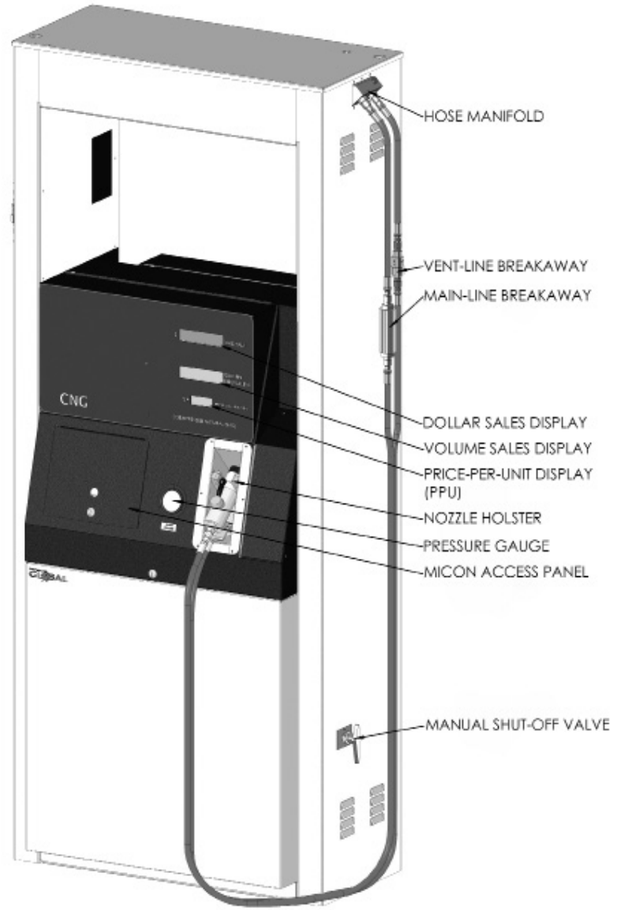
CAUTION

High-pressure gas connections must only be carried out by qualified and experienced personnel.

This *Quick-Start Guide* includes procedures for:

- attaching the fueling hose
- powering-up the dispenser
- pressurizing the dispenser
- setting pump and hose IDs
- configuring the CRIND
- performing a leak-test

ATTENTION—This manual and the information contained herein are not intended to provide you with any advice on product design, filling station specifications, installation of equipment, or similar matters and should not be relied upon for such purposes. Neither Kraus Global Ltd. nor any of its employees or agents are your professional advisers. You should assess whether you require such advisers and additional information and, where appropriate, seek independent professional advice. Kraus, its subsidiaries and affiliates, are not responsible in any manner for direct, indirect, special or consequential damages however caused arising from your use of this manual and the information contained herein.



Contact information

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Extensions:	
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Sales	235
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Technical Support	212

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Attaching the fueling hose

1. Remove the hose from its packaging.
2. Inspect for any defects and damages. **Do not use defective or damaged hoses.**
3. Attach the main line to the hose manifold, located on the side and near the top of the dispenser. Hose manifolds may be on both sides, depending on the dispenser's hose configuration.
4. Hand-tighten the main line fitting to the manifold so that it may still be loose enough to turn
5. Straighten the hose and place the nozzle into holder on the dispenser. The loose fitting should allow the hose to find its natural resting position.
6. Tighten the main line fitting at the manifold with a backup wrench. Hose connections do not require sealants or Teflon tape.
7. Attach the vent line to its corresponding manifold connection and tighten with a backup wrench.

CAUTION

To help avoid abrasive damage to the hoses, do not allow any part of the hose to be in contact with the ground or dispenser while it is resting in the holder. If this cannot be avoided, the hose may be too long; please contact our Technical Support Department immediately.

Powering the dispenser

ATTENTION

The dispenser is shipped in "Standalone mode." It is recommended that the initial power-up process is done in this mode to facilitate procedures requiring authorization.

1. Locate the actuator shaft protruding from the Micon head. The actuator shaft is shown in *Figure 1*.

   NOTE: For shipping and storage purposes, the Micon is placed in "Battery-save mode." The dispenser **will not** function properly while in this mode.

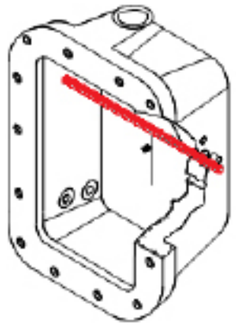

Figure 1: The Micon actuator shaft

2. Remove the cotter pin from the actuator shaft.
3. Rotate the actuator shaft until the beveled edge is facing up—this will disengage "Batter-save mode;" see *Figure 2*.

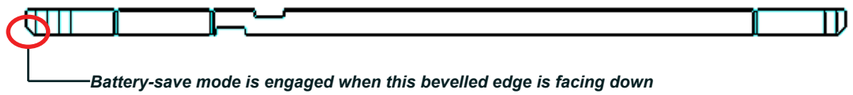

Figure 2: Actuator shaft in "Battery-save mode"

4. Replace the cotter pin.
5. Remove the bottom panels of the dispenser to access the lower cabinet.
6. Close all manual filter inlet valves, vent valves, and manual shut-off valves.
7. Turn-on the power from the breaker box.

   NOTE: The dispenser will display a power-up sequence and countdown from 25 seconds. After the countdown, the volume and dollar displays will read zero.

8. Remove the refueling nozzle from its holder and flip the authorization handle up to the **ON** position.

   NOTE: The volume and dollar displays will flash all 8's as the dispenser authorizes a fill.

9. Flip the authorization handle back to the **OFF** position.
10. Replace the nozzle into the holder.

Setting prices

1. Place the dispenser in "battery mode" by disconnecting the AC power to the Micon register from the breaker box. The volume and price displays will flash when the dispenser enters "battery mode."
2. Ensure the dispener's authorization handle is in the **OFF** position and the hose is placed in the holster before proceeding.
3. Aim the Communicator to the optical sensor, located to the right of the price display; see *Figure 3* to the right.

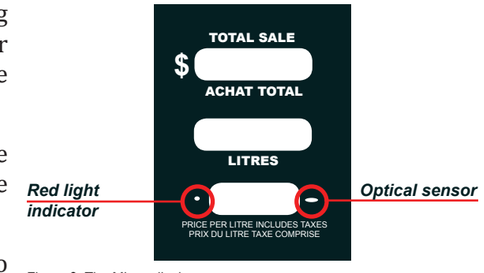

Figure 3: The Micon display

4. Press and hold the **SET** button on the Communicator. Starting with the ".0" digit, the number will count up until the button is released.
5. Release the **SET** button when the display reaches the desired number.
6. Press the **SEL** button to proceed to the next digit and repeat the process until the full price is entered.
7. Ensure the correct price per unit has been entered and then restore AC power to the Micon register.

Pressurizing the dispenser

ADVICE

To ensure peak performance, all Kraus CNG dispensers should be leak-tested before initial operation. The first leak-test should be done whilte initially pressurizing the dispenser.

1. Open all manual shut off valves.
2. Flip the authorization handle to the ON position. This will enable you to see the pressure reading through the gauge.
3. Slowly open the inlet valve and allow 100 psi of gas to fill the dispenser.
4. Close the inlet valve and flip the authorization handle to the OFF position once the pressure gauge indicates 100 psi.
5. Apply a leak detector to all fitting connections—we recommend using Snoop® Liquid Detector.

NOTE: If any leaks are detected, please refer to the following page to for leak repair procedures.

6. If no leaks are found, reauthorize the dispenser by flipping the authorization handle up to the ON position.
7. Slowly reopen the valve to allow 500 psi of gas to fill the dispenser.
8. Close the valve once the pressure gauge indicates 500 psi and reapply the leak detector. See NOTE above if leakes are detected.
9. Reapeat this process at 500 psi increments until the regular operating pressure is reached. Repeat the process for each inlet valve.

ATTENTION

If your dispenser operates over a cascade storage system, complete this procedure with the low-bank first, the mid-bank second, and the high-bank last.