



# Bennett C30-708 CNG Dispenser

## Energy Control Procedure (ECP)

General Information			
<b>Location</b>		<b>Asset Number(s)/ Equipment ID(s)</b>	All Dispensers
<b>Manufacturer or Equipment Name</b>	Bennett C30-708 CNG Dispenser		
Hazardous Energy Identification			
<input type="checkbox"/> Chemical	<input checked="" type="checkbox"/> Electrical	<input type="checkbox"/> Gravitational potential	<input type="checkbox"/> Hydraulic potential
<input checked="" type="checkbox"/> Mechanical	<input checked="" type="checkbox"/> Pneumatic potential	<input type="checkbox"/> Radiation	<input type="checkbox"/> Kinetic
		<input type="checkbox"/> Thermal	
Personal Protective Equipment Required (Beyond Basic PPE)			
Hard Hat, Gloves, Eye Protection, Hearing Protection and Safety Toe Boots, High Vis Vest.			
<b>ONLY TRAINED AND AUTHORIZED PERSONNEL SHALL CONDUCT LOCKOUT/TAGOUT.</b>			
Shutdown Overview (Isolation Overview)			
<p>This Energy Control Procedure (ECP) outlines the standardized steps for safely de-energizing and depressurizing the Bennett C30-708 CNG dispenser to ensure a hazard-free environment during maintenance or servicing. The procedure emphasizes strict adherence to lockout/tagout protocols, electrical isolation, and controlled depressurization to mitigate risks associated with high-pressure gas and energized components. All personnel must follow these guidelines to maintain compliance with safety standards and protect both worker and equipment integrity.</p>			



# Bennett C30 CNG Dispenser with 708 Electronics

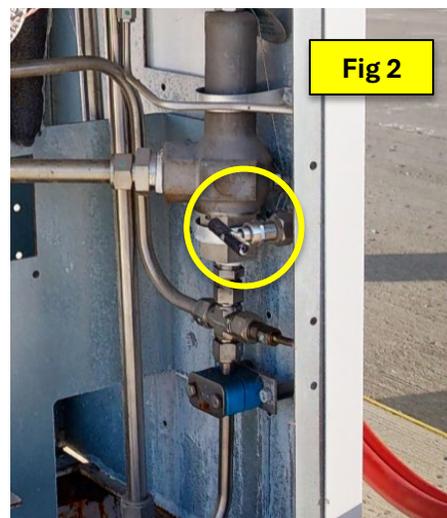
## Depressurization and De-energization ECP for Service Instructions

### 1. Preparation & Safety

- Only trained personnel may perform this procedure.
- Read and understand all safety instructions in the manual before starting.
- No smoking or open flames near the dispenser. CNG is highly flammable.
- Place barriers around the equipment to prevent injury from vehicles or bystanders.
- Ensure a portable fire extinguisher (minimum 20-B:C rating) is available in the area.
- Vehicle engines must be off and there are no ignition sources within 10 feet of the dispenser.
- Verify grounding: Dispenser must be correctly grounded with 12-gauge wire.
- Check input voltage: Should be 120VAC (96–135VAC).
- Ensure no more than two units are operating on a dedicated 120VAC source.
- Contact Chevron Call Center (**877-872-3966**) before starting work and when finishing work.
- Complete Chevron Start Work Check
- Never attempt to drain or open the filter housing or any pressurized component without first relieving all pressure.
- Aim vent/bleed valves away from yourself and others.
- If unsure, contact Bennett Technical Support at **1-800-423-6638**.

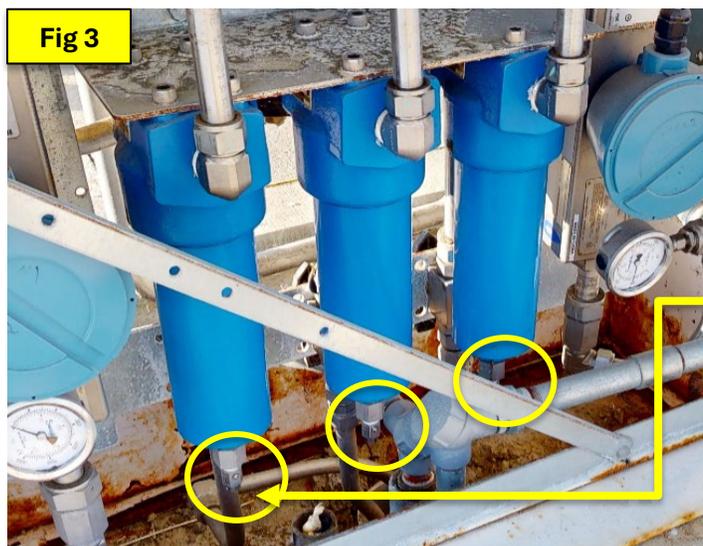
### 2. Depressurization (Hydraulic Isolation)

- 2.1 Close all CNG inlet ball valves to shut off the flow of CNG into the dispenser located in the bottom of the dispenser (shown in **Fig 1**).



- 2.2 Slowly open the needle valve to relieve pressure in the hydraulics. Shown in **Fig 2**.

- 2.3 To enter Managers' Mode, plug the keypad in. Press "Enter"
- 2.4 Press 3 "Mode". Enter the password of 2218 "Enter" Than press "Cancel."
- 2.5 Once in Manager's mode, to open the valves in mode 80 by pressing 80 "Mode" (4 = all valves side 1, 8 = all valves side 2).
- 2.6 Monitor pressure gauges: Wait until they read "0 PSI" on the dispenser.
- 2.7 Close the needle valve once pressure is relieved.
- 2.8 Slowly vent the drain on the filter housing. If pressure remains, close the drain and repeat the depressurization steps represented in **Fig 3**.



Use a 7/16 wrench to **Open** (Clockwise) bleeder valve.

- 2.9 Do not proceed until all pressure is relieved, and the system is atmospheric pressure.

### 3. Zero Energy Verification

- 3.1 Confirm all gauges read zero and no residual pressure remains.
- 3.2 Ensure all electrical power is off and locked out.
- 3.3 Check that all valves are closed and the system is isolated.

**NOTE: If the connection seems difficult to turn double check that there is no pressure behind the fitting before continuing.**

### 4. De-energization (Electrical Isolation)

- 4.1 Turn off all electrical supplies to the dispenser and secure them in the OFF position.
- 4.2 Power down the dispenser by turning off switch S2 on the Power Distribution Board.
- 4.3 The display should go off and show "PFAIL" for 30 seconds or until the battery override switch (S3) is pressed.
- 4.4 Bypass the battery: Press down the battery override switch (S3) momentarily to eliminate the 30-second wait.
- 4.5 Remove the positive wire off battery
- 4.6 Always replace the metal cover on the Power Distribution Board after service to prevent electrical shock.

### 5. Maintenance or Service

- 5.1 Only after completing the above steps, proceed with any required maintenance (e.g., filter changes, repairs).

## Re-energization and Re-pressurization (After Service)

### 6. Restoration Procedure

#### Ensure All Maintenance is Complete

- 6.1 Confirm all tools and materials are removed from the dispenser area.
- 6.2 Verify all components are properly reassembled and all covers are securely in place.

#### Close All Drains and Bleed Valves

- 6.3 Ensure the drain on the filter housing and any other bleed valves are fully closed.

#### Open the Needle Valve

- 6.4 Slowly open the needle valve to prepare the system for re-pressurization.

#### Restore Electrical Power

- 6.5 Replace the metal cover on the Power Distribution Board if it was removed.
- 6.6 Plug positive wire back on battery
- 6.7 Turn on switch S2 on the Power Distribution Board to restore main power to the dispenser.
- 6.8 If the display does not power up, check that the battery override switch (S3) is in the correct position.

#### Open CNG Inlet Ball Valves

- 6.9 Gradually open all CNG inlet ball valves to allow CNG to flow into the dispenser.
- 6.10 Monitor the pressure gauges as the system pressurizes.

#### Check for Leaks

- 6.11 Inspect all connections, fittings, and components for leaks as pressure is restored.
- 6.12 If any leaks are detected, immediately close the CNG inlet valves and relieve pressure before repairing.

#### Verify System Operation

- 6.13 Confirm that all gauges are reading within normal operating ranges.
- 6.14 Ensure the dispenser display and controls are functioning correctly.
- 6.15 Run a test transaction if required to verify proper operation.

#### Return Dispenser to Service

- 6.16 Remove barriers and notify site personnel that the dispenser is back in service.

### 7. Reference

- Bennett Manuals can be found on Aetos in the files section named:  
[Bennett Electronics Service Manual 125870 Man.-Serv. Remote CNG Rev A 08 12 14.pdf](#)

Version History and Approvals			
Version #	Date:	Name and Position:	Status: (Created/Approved/Annual Review*)
1.0	9/26/2025	Harlan Brodie, Reliability Engineer	Created
1.0	9/30/2025	Sean Ryke, Senior Technical Support, Bennett Pumps	Reviewed
1.0	10/29/2025	Brent Tesla Renewables Project Manager	Approved

\*Procedure must be annually reviewed