

Installing 200 and 400 Series Meter Sets

DOCUMENT NUMBER: 1391
DOCUMENT TYPE: PROCEDURE
Owner: Braybrook, Chad
SML: Quarton, Mark

Utility: Gas
Approved Date: November 29, 2024
Effective Date: November 29, 2024
Next Review Date: November 30, 2026

Document History: This document replaces 1391 Installing 200 and 400 Series Meter Sets dated 24 November 2020.

Summary of Changes

This document was reviewed, and changes were made to include AMI details.

Overview

This standard describes the procedure for installing 200 and 400 series 1.75 kPa and 14 kPa meter sets.

Audience

This document is intended for FortisBC (Gas) distribution operations field personnel, contractors, and managers.

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References

- Drawing 90000-M-501-005
- Drawing 90000-M-501-012
- Drawing 90000-M-502-003
- Drawing 90000-M-502-006

All drawings can be found in: S:\GasInc\Standards\Standard Drawings\Meter Set Design Drawings\Natural Gas Inventory

Safety

Ensure the meter set location conforms to company standards.

- Make sure there are no opening windows or vents in close proximity to the meter set.
- Identify any meter guard or protection required.
- Refer to **CRL #1418** *Locating Meter Sets*.

Use a purge hose to safely purge the meter to atmosphere where there is risk of creating an unsafe gas/air mixture.

Procedure

1. Ensure service line is blown-down and gasified.
 - Turn the meter valve "off".
2. Install inlet piping/manifold.
 - Connect the meter inlet fittings.
 - Ensure the manifold is level.
 - Remove any strain by reworking the piping as required.
 - Install meter support brackets, if required (copper house lines).
 - Add swing joints, if required.
3. Mount the meter.
 - Lubricate meter swivels and meter connections (petroleum jelly, Never-Seize, etc.).
 - Install the new meter gaskets.
4. Purge the meter.
 - Slowly open the meter valve and purge all air from the meter. (Use a purge hose, if required).
5. Check for leaks.
 - Soap test all fittings at the meter set.
 - Turn "off" the meter valve.
 - Cap the meter outlet spud.
6. Commission SonixIQ / SmartPoint, if present.
7. Clean and paint the meter set and house line, as appropriate.
 - Use a protective back drop to protect the wall from paint overspray.
8. Tag the meter.
 - Install the tag for PFM sets.
 - For manifold meter sets, identify each meter by writing the address and unit number on the meter with a paint stick. Also fit a **Form 2361** *Attention Gas Fitter - Compliance Removal Tag* to each meter.

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9. Complete the Order Fulfillment job report.
10. Notify Dispatch of job completion.

NOTE: If the meters are installed before the gas service, steps 4, 5 and 6 will be completed when the meter set is gasified.