



B Series Valve Body Installation Guide

This document provides valve body installation instructions for Itron Regulators models B42, B57, B58, B31, B34S, B34, and B38.



Warning Follow your company's standard operating procedures regarding the use of personal protection equipment (PPE). Adhere to guidelines issued by your company in addition to those contained in this document when installing or repairing natural gas regulators.



Warning This product, as of the date of manufacture, is designed and tested to conform to all governmental and industry safety standards as they may apply to the manufacturer. The purchaser/user of this product must comply with all fire control, building codes, and other safety regulations governing the application, installation, operation, and general use of this meter to avoid leaking gas hazards resulting from improper installation, startup or use of this product.

To ensure safe and efficient operation of this product, Itron strongly recommends installation by a qualified professional.

To install a diaphragm onto a valve body

1. Verify the valve body gasket lies flat on the valve body retainer plate. Ensure the loading ring is properly installed (see the *Loading Ring Installation Guide* for any questions).



2. Insert the diaphragm into the valve body. Verify the diaphragm head is in the correct orientation and the valve seat retainer plate sits flush with the mating plate on the valve body.

- Place the bolts through the two holes in the valve body. Thread the bolts snugly into the diaphragm case.



- Slightly tighten one bolt with a wrench. Tighten the second bolt to the same torque as the first bolt.

Warning Do not completely tighten the first bolt before tightening the second bolt. Completely tightening the first bolt before the second bolt is tightened could cause pinch the valve body gasket and damage the regulator. Tighten the bolts following steps 1 through 4 before tightening all bolts to the recommended torque specification.

Regulator	Bolt Head Size	Bolt Part Number
B42	9/16	8006701
B58	7/16	755378
B31	7/16	755381
B34	7/16	755386
B34S	7/16	755381
B38	7/16	755391

- Tighten the first bolt to the regulator's torque specification. Tighten the second bolt to the regulator's torque specification.



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