





**Certificate:** 80191453

**Master Contract:** 155122

**Project:** 80255804

**Date Issued:** 2025-09-25

B42R (straight)	$\frac{3}{4}$ x $\frac{3}{4}$ , $\frac{3}{4}$ x 1, 1 x 1, $1\frac{1}{4}$ x $1\frac{1}{4}$	125
B31R (straight)	$\frac{3}{4}$ x $\frac{3}{4}$ , $\frac{3}{4}$ x 1, 1 x 1, 1 x $\frac{1}{4}$ , $1\frac{1}{4}$ x $1\frac{1}{4}$	125
B31MR (straight)	$\frac{3}{4}$ x $\frac{3}{4}$ , $\frac{3}{4}$ x 1, 1 x 1, 1 x $\frac{1}{4}$ , $1\frac{1}{4}$ x $1\frac{1}{4}$	125
B31MRV (straight)	$\frac{3}{4}$ x $\frac{3}{4}$ , $\frac{3}{4}$ x 1, 1 x 1, 1 x $\frac{1}{4}$ , $1\frac{1}{4}$ x $1\frac{1}{4}$	125

For Use with Natural Gas. Straight and 90 degree Valve Body Configurations.

**Line Pressure Regulators**

Tradename: ROOTS

Model(s)	Size	Max. Allowable Working Pressure (PSI)	Suffix
B31	$\frac{3}{4}$ x $\frac{3}{4}$ ; $\frac{3}{4}$ x 1 ; $\frac{3}{4}$ x $1\frac{1}{4}$ ; 1 x 1 ; 1 x $1\frac{1}{4}$ ; $1\frac{1}{4}$ x $1\frac{1}{4}$	CLASS I and CLASS II (Up to 10 PSI)	R, N, IMR, IMN
B34	$1\frac{1}{4}$ x $1\frac{1}{4}$ ; $1\frac{1}{4}$ x $1\frac{1}{2}$ ; $1\frac{1}{4}$ x 2 ; $1\frac{1}{2}$ x $1\frac{1}{2}$ ; $1\frac{1}{2}$ x 2 ; 2 x 2	CLASS I and CLASS II (Up to 10 PSI)	R, N, IMR, IMN, IMROPCO
B34S	$1\frac{1}{4}$ x $1\frac{1}{4}$ ; $1\frac{1}{4}$ x $1\frac{1}{2}$ ; $1\frac{1}{4}$ x 2 ; $1\frac{1}{2}$ x $1\frac{1}{2}$ ; $1\frac{1}{2}$ x 2 ; 2 x 2	CLASS I and CLASS II (Up to 10 PSI)	SR, SN
B42	$\frac{3}{4}$ x $\frac{3}{4}$ ; $\frac{3}{4}$ x 1 ; $\frac{3}{4}$ x $1\frac{1}{4}$ ; 1 x 1 ; 1 x $1\frac{1}{4}$ ; $1\frac{1}{4}$ x $1\frac{1}{4}$	CLASS I and CLASS II (Up to 10 PSI)	R

Note: CLASS II applications not applicable to square orifices.

**APPLICABLE REQUIREMENTS**

CSA 6.18-02 - Third Edition - Service Regulators for Natural Gas

CSA/ ANSI Z21.80-2019/ CSA 6.22-2019 - Fourth Edition - Line pressure regulators



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Notes:

Products certified under Class(es) C333104, C333105 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)



Products certified under Class(es) C333185 have been certified under CSA's ISO/IEC 17065 accreditation with the American National Standards Institute (ANSI). [www.ansi.org](http://www.ansi.org)





## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80255804	2025-09-25	Update to report 80191453 to add Models B42R (Extend Testing to the B31R/HP, B31IMR/HP, B31IMRV/HP & B34SR, B34SR/HP) Line Pressure Gas Regulators under Class #3331-04, -05, & -85 (Line Pressure). For Class II Applications at inlet pressures of 2, 5, or 10 PSIG and an outlet pressure of 2 PSIG.
80191453	2024-11-25	Add B34IM model gas regulator under CLASS 3331-05/85 (Line Pressure), similar to B34IMR. Add B34IMOPCO with built-in pressure cutoff. For CLASS I and CLASS II Applications at inlet pressures of 2, 5, or 10 PSI as per line pressure standard. Update to latest edition of ANSI Z21.80:19•CSA 6.22:19