



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

**NOTICE OF APPROVAL
AVIS D'APPROBATION**

G-108

OTTAWA May 22, 1975

SPRAGUE METER DIVISION PRESSURE REGULATORS
MODELS B-32, B-34, CL-31, CL-231, CL-34 -

APPARATUS

Model	Connection Sizes in Inches	Max. Inlet Press. psig	Outlet Pressure Range, psig	Orifice Sizes
B-32	3/4, 1, 1 1/2	125 psig	Up to 5 psig	1/8, 3/16, 1/4, 5/16, 3/8, 1/2
B-34	1 1/4, 1 1/2, 2	125 psig	Up to 5 psig	1/4, 3/8, 1/2, 5/8, 3/4
CL-31	3/4, 1, 1 1/4	125 psig	1 to 20 psig	1/8, 3/16, 1/4, 3/8
CL-231	1 1/4, 1 1/2, 2	125 psig	1 to 20 psig	1/4, 3/8, 1/2
CL-34-1	1 1/4, 1 1/2, 2	125 psig	Up to 5 psig	1/4, 3/8, 1/2, 5/8, 3/4, 7/8
CL-34-2	1 1/4, 1 1/2, 2	125 psig	1 to 60 psig	1/4, 3/8, 1/2, 5/8, 3/4, 7/8

Approval is hereby granted for the use of the above-named apparatus in Pressure Factor Measurement installations. This Approval applies only to installations which conform strictly to the Departmental "Rules for Pressure Factor Measurement Installation", which may be issued by the Branch.

For all models the manufacturer recommends that the setting be carried out at the lowest expected inlet pressure and with a flow of 0.6 sp. gr. gas equal to the "set flow rates" listed below.

Theory of operation, setting instructions, capacity limitations, sizing details, etc., may be obtained from the appropriate manufacturer's bulletins.

For field testing procedure, refer to Technical Gas Circular G-75-3.

DESCRIPTION

B-32 This is a spring-loaded, service type regulator designed primarily for loads up to 500 SCFH of 0.6 sp. gr. gas but capable of the capacities specified in manufacturer's bulletin B-32, B-33 dated Oct. 1972.

Set flow rate is 50 SCFH.

This regulator is available with relief valve designated B-32R, or without relief valve as B-32N.

B-34 This is a spring-loaded regulator, designed for loads up to a maximum of 10,000 SCFH of 0.6 sp. gr. gas.

Set flow rate is 200 SCFH.

In this model is incorporated a loading ring which controls the pressure under the diaphragm area.

Type B-34R is fitted with internal relief. Without internal relief it is designated B-34N.

CL-31 This is a pilot-loaded regulator recommended for loads up to 4000 SCFH.

Set flow rate is 100 SCFH.

CL-231 This is a pilot-loaded regulator designed for loads up to 7500 SCFH. An adjustable loading ring is incorporated.

Recommended set flow rate is 100 SCFH.

CL-34 This is a pilot-loaded regulator approved for loads up to 10,000 SCFH of 0.6 sp. gr. gas. A loading ring is incorporated. Two types are approved:

CL-34-1: pilot has adjustment range 6" wc to 5 psig
CL-34-2: pilot has adjustment range 1 psig to 60 psig.

Approval granted to:

Sprague Meter Division of
Textron Canada Ltd.,
Hamilton, Ontario.

for *J. L. Armstrong*
J. L. Armstrong,
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