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NOTICE OF APPROVAL
AVIS D'APPROBATION

G-119

Ottawa, March 4, 1977

ROCKWELL MODELS 143-1HP and 143-2HP PRESSURE REGULATORS

Apparatus

Inlet Pressure Range, psig	20 to 80
Outlet Pressure, psig	5
Approved Max. Flow of 0.6 Sp. Gr. Gas, SCFH	Refer to Tables I and II
Orifice Diameter	1/8", 3/16"
Valve Body Sizes	3/4" x 1", 1" x 1"
Main Spring Part Number	139-16-021-01
Main Spring Colour Code	Black

Set Point Conditions:

(1)	Inlet Pressure, psig	20
(2)	Outlet Pressure, psig	5.0
(3)	Flowrate, 0.6 Sp. Gr. Gas SCFH	50

The approved maximum flow for a given installation is determined by the minimum inlet pressure of the system in which the regulator is installed. Refer to tables I and II of this Notice of Approval.

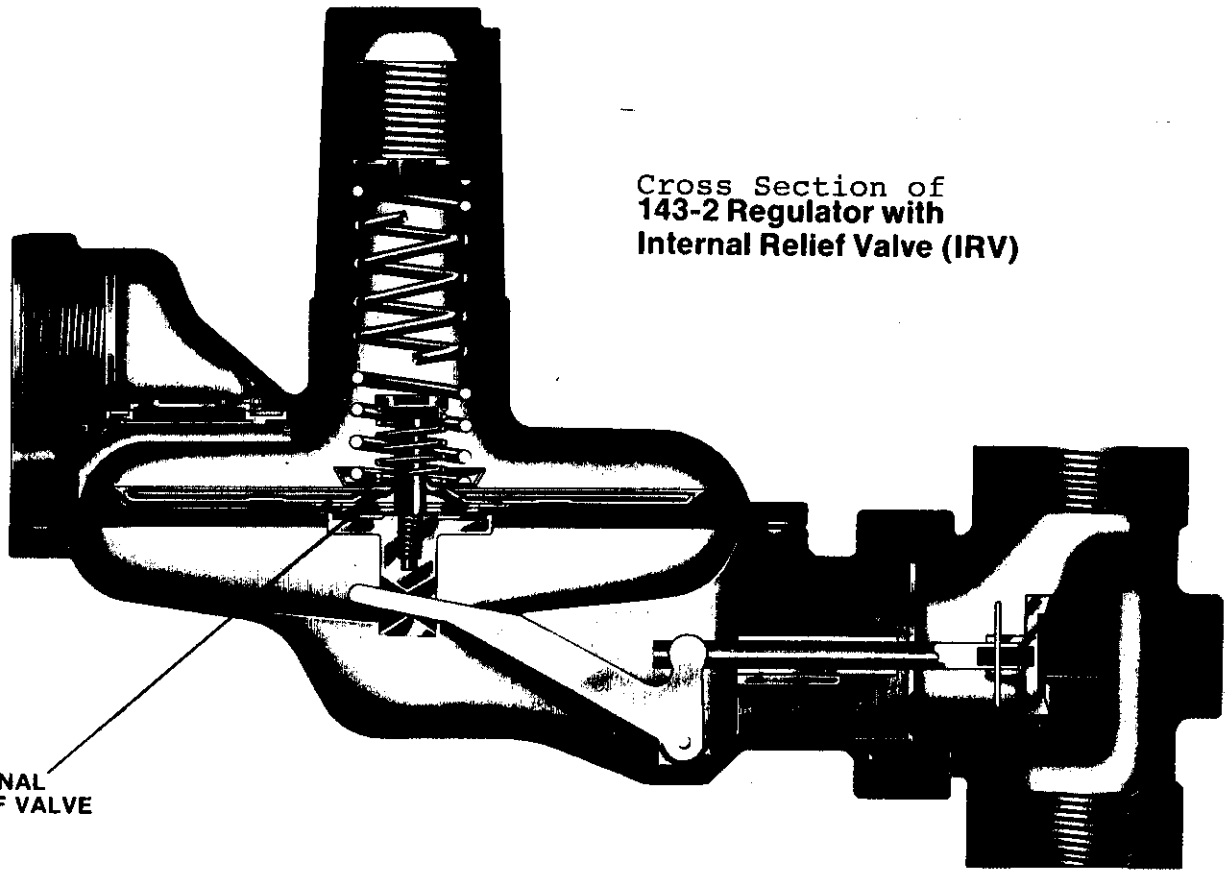
Approval is hereby granted for the use of the above apparatus in Pressure Factor Measurement installations.

Description

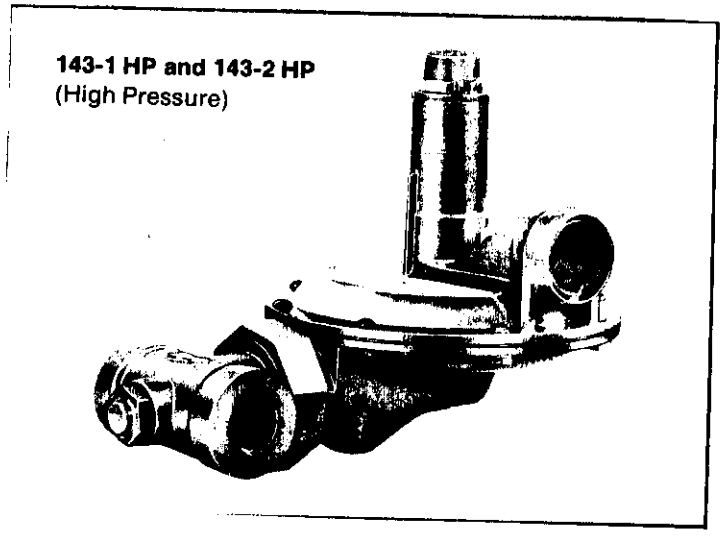
The 143-1HP and 143-2HP regulators are spring loaded service type regulators designed for psi to psi reduction. The model 143-1HP is the standard version while the 143-2HP incorporates an internal relief valve, (IRV).

Information pertaining to construction, mounting positions, etc. but not with regard to the approved flow capacities, can be found in the manufacturer's bulletin R 1302, Revision 2. (Ref. HHP-10M-12/76).

Refer to Technical Gas Circular G-75-3 for field test procedure and "Rules for Pressure Factor Measurement Installations" found in Part VIII of "Departmental Instructions for Inspection of Gas Meters and Auxiliary Devices" for nameplate marking and other requirements.



Cross Section of
143-2 Regulator with Internal Relief Valve (IRV)



143-1 HP and 143-2 HP
(High Pressure)

Maximum capacities for various inlet pressures at set outlet pressures of 5.0 PSIG are tabled below:

TABLE I (1/8" ORIFICE)

Minimum inlet pressure psig	20	50	80
Max. cap. SCFH of 0.6 Sp. Gr. Gas	230	520	820

TABLE II (3/16" ORIFICE)

Minimum inlet pressure psig	20	50	80
Max. cap. SCFH of 0.6 Sp. Gr. Gas	320	630	1140

Approval granted to: Rockwell International of Canada Limited
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