GMR SERIES

GMR

INTRODUCTION

The GMR series regulators are single-stage, balanced-seat products designed for residential applications

The regulator can be used with natural gas, LPG, propane, and city gas. The compact design of the regulator provides ease of installation and space savings. With its balanced-seat mechanism, it offers precise regulation. It can be safely used indoors as it does not have a venting mechanism.

GMR regulators are designed in accordance with EN 88-1 standard and PRS3 British standards.

START UP

Before commissioning the regulator, ensure that the pipeline connections are made correctly.

The inlet and outlet valves should be closed.

Slowly open the inlet valve, and the regulator will self-adjust through its internal signal.

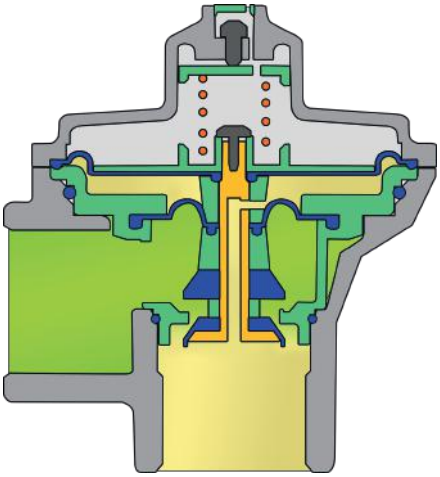
Slowly open the outlet valve halfway and wait for the line to fill. Then, fully open the outlet valve.

Inlet Pressure	50 - 500 mbar
Outlet Pressure	8 - 50 mbar
AC / RG	10 / 20
Ambient Temperature	-20°C to +60°C
Capacity Range	6/10 m³/h

GMR

OPERATING PRINCIPLE

The regulator has a simple structure consisting of two diaphragms, a spring, and a valve. The output pressure is sensed by the diaphragm and balanced to the desired value by the spring. The output pressure can be increased or decreased using the output pressure adjustment screw. The GMR regulator shuts off the flow if the inlet pressure drops below 11 mbar. It automatically resumes operation when the pressure returns to normal. The GMR regulator is designed to cut off the flow if the inlet pressure rises excessively. As the inlet pressure increases, the valve moves in the direction of closing, and the regulator shuts off the flow at 550 mbar inlet pressure. When the inlet pressure returns to normal operating values, the regulator automatically continues to operate.



Inlet Pressure

Outlet Pressure

MATERIALS

BODY AND HEADS	Die-Cast Aluminum
INTERNAL PARTS	Brass/Plastic
DIAPHRAGM NITRILE	Nitrile Rubber

DIMENSION AND WEIGHTS