



B42 High Capacity Regulator

Residential & Commercial Regulator



**Meets/exceeds 2PSIG Build
Up Requirements**



**High-capacity performance
for demanding pressure
applications**



**Backed by decades of
ROOTS regulator expertise**

ROOTS Regulators offers the B42 HC (High Capacity) Regulator to support 2 PSIG relief build up requirements in medium to high-inlet pressure applications. The B42 HC leverages proven B42 and B31 designs, combining the diaphragm assembly of the B42 with the valve body of the B31 to deliver a compact footprint while maintaining expected performance.

Built with durable internal components, the B42 HC is designed for consistent and reliable operation in demanding environments. Ideal for residential and light commercial applications, the B42 HC provides dependable performance that customers have come to expect from ROOTS Regulators.

Features

- » True bubble tight lock-up
- » Interchangeable aluminum orifice
- » 12.6 sq. in. of diaphragm area
- » Molded deep convolution diaphragm with o-ring seal
- » Spring-loaded internal relief valve assembly
- » One-piece molded Buna-N valve seat
- » Field interchangeable adjustment spring

Technical Features

Inlet pressure	125 psig
Outlet pressure	4 iwc – 5 psig
Operating temperature	-20°F to 150°F
Acceptable gases	Natural gas, town gas, propane, butane, air, nitrogen, or any non-corrosive gas
Options	Tamper proof sealing Inlet pressure taps

Sizes & Connections

Sizes	3/4", 1" & 1-1/4"
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Materials

Body	High tensile strength cast iron
Internal parts	Steel and aluminium
Seals	Nitrile rubber
Diaphragm	Synthetic rubber with fabric reinforcement

Benefits

- » Meets/exceeds 2PSIG Build up requirements
- » Higher capacity than standard B42
- » Combines the proven B31 valve body components with the B42 case assembly



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