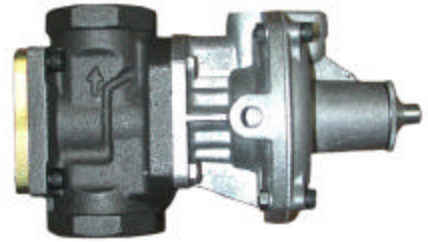
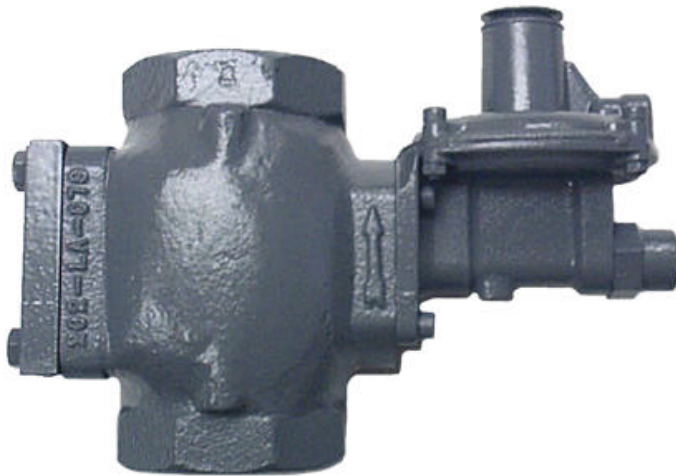


# Over Pressure Cut Off Valve BD-RMG 290 & 309



**Under Pressure and Over Pressure  
Cut Off (UPCO/OPCO)**



**- flanged body -**



**with FILTER**

## General Description

**290.00**

Edition 05/00

# Over Pressure Cut Off (OPCO)

direct acting, spring loaded

BD-RMG 290

## Application

- Designed for over pressure protection to limit the downstream pressure during an over pressure condition.
- For natural gas and all non-corrosive gaseous media.

## Characteristics

- Valve will automatically close and completely shut off the gas supply should the outlet pressure rise above any pre-set levels. The Cut Off Valve will remain closed until the reason for the abnormal condition is corrected and the Cut Off Valve manually re-opened
- Quick response time.
- Available with a combined OPCO and UPCO (Under Pressure Cut Off) Valve
- Available with a thermal protection device (fire shut off).
- Complies to: Canadian, American, English and German Standards

## 1. Technical Data

Maximum inlet pressure: 125 psig

Over pressure trip point adjustment:

### Low Pressure Version

Spring Range	Spring No.
14" to 28" wc	861
27" to 67" wc	868
60" to 100" wc	1172
3.5 to 7.5 psi	1254

### High Pressure Version

Spring Range	Spring No.
6 to 12 psi	1254
12 to 22 psi	1255

Size: Available in a straight through configuration either screwed or flanged  
Screwed (NPT or Rc)

inlet: 1/2", 3/4", 1", 1¼, 1½ or 2"  
outlet: 1/2", 3/4", 1", 1¼, 1½ or 2"

Flanged

inlet / outlet: 1" or 2"

Ambient temperature range: -40°C to +60°C

## 2. Materials of Construction

Body:	Ductile Iron
Orifice:	Aluminium, Brass or Stainless Steel
Cut Off Valve Casing:	Die Cast Aluminium
Valve Head & Diaphragm:	Buna N Rubber

### 3. Under Pressure Cut Off (UPCO) version

As a combined unit the OPCO/UPCO, valve will automatically close and completely shut off the gas supply should the outlet pressure rise above, or fall below, any pre-set levels. The Cut Off Valve will remain closed, even if the pressure is restored, until the reason for the abnormal condition is corrected and the Cut Off Valve manually re-opened

### 4. Fire Rated version

The Cut Off Valve body on the thermal version is a cast steel casting rather than aluminum. Also the Cut Off Valve internal components (orifice, valve head etc.) are stainless steel rather than brass. Should the unit be engulfed in a fire such that the thermal cut off valve operates, then the regulator body and cut off valve are designed to withstand a temperature of 650° C and limit forward gas leakage to a minimum.

