



BDRMG MODEL

200

## SPRING-LOADED GAS PRESSURE REGULATOR

### INTRODUCTION

- » high pressure direct-acting, spring-loaded regulator
- » utilized for safe and accurate, first-stage pressure reduction
- » extensively used in rural or farm-tap applications, gas services to domestic and industrial applications and as a by-pass regulator in gas pressure reducing stations

### FEATURES

- » maximum inlet pressure - 1000 psig (69 bar)
- » outlet pressure range 3 - 150 psig (0.21 - 10 bar)
- » flow capacity - 30,000 scfh (850 scmh)
- » ease of maintenance (spares kits available)
- » temperature rating -40° to 140°F, -40° to 60°C

### OPTIONS

- » P-Type - no internal relief capacity
- » R-Type - full internal relief capacity
- » available with integral over pressure cut-off safety slam shut valve (OPCO)
- » 309LP4 OPCO - cut-off upto 66 psig
- » I.C.L. - Internal Control Line or senses outlet pressure via an internal impulse line
- » E.C.L. - External Control Line or senses outlet pressure via an external impulse line

### BODY CONNECTIONS

- » available with NPT or BSP thread profiles
- » threaded connections - 3/4" & 1"

### SPRING SELECTION

- » spring 1030 (brown) ~ range 3 - 10 psig
- » spring 1031 (green) ~ range 8 - 20 psig
- » spring 1032 (dark blue) ~ range 15 - 25 psig
- » spring 1033 (silver) ~ range 20 - 40 psig
- » spring 1036 (red) ~ range 30 - 75 psig
- » spring 1037 (white) ~ range 50 - 100 psig
- » spring 1034 (yellow) ~ range 80 - 150 psig

### WEIGHTS

- » 200 regulator ~ 13 lbs.
- » 200 with 309LP4 OPCO ~ 21 lbs.

### MATERIALS OF CONSTRUCTION

- » body ~ malleable iron
- » diaphragm casings ~ malleable iron
- » spindle housing ~ malleable iron
- » valve seat ~ buna N rubber
- » orifice ~ brass or stainless steel
- » operating spindles ~ steel
- » top cap ~ malleable iron