



BDRMG MODEL

274

SPRING-LOADED GAS PRESSURE REGULATOR

INTRODUCTION

- » specifically designed for safe, accurate pressure reduction
- » high pressure, direct-acting, diaphragm operated
- » utilized in commercial, industrial and multi-installation applications
- » for natural gas and all non-corrosive gaseous media

FEATURES

- » maximum inlet pressure - 150 psig (10 bar)
- » outlet pressure range 6" w.c. - 6 psig (15 - 420 mbar)
- » flow capacity - 24,500 scfh (694 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
- » LR-Type ~ LIMITED internal relief capacity
- » SD-Type ~ SAFETY DIAPHRAGM with OPCO
- » available with integral over pressure cut-off safety slam shut valve (290 OPCO)
- » 290 OPCO - cut-off upto 8 psig
- » available with integral under and over pressure cut-off safety slam shut valve (309 UPCO/OPCO)
- » 309 UPCO range ~ 4" - 60" w.c.
- » 309 OPCO range ~ 14" w.c. - 8.0 psig

BODY CONNECTIONS

- » available with NPT or BSP thread profiles
- » available with ANSI or PN flange standards
- » threaded connections - 1¼", 1½", 2"
- » flanged connections - 2"

SPRING SELECTION

- » spring 960 (grey) ~ range 6" - 14" w.c.
- » spring 961 (yellow) ~ range 12" - 22" w.c.
- » spring 962 (brown) ~ range 20" - 40" w.c.
- » spring 963 (orange) ~ range 1 - 3 psig
- » spring 964 (blue) ~ range 2 - 6 psig

WEIGHTS

- » threaded body ~ 18 lbs. (8.2 kg)
- » flanged body ~ 28 lbs. (12.75 kg)
- » with 290 OPCO ~ add 1.8 lbs. (0.8 kg)
- » with 309 UPCO/OPCO ~ add 2 lbs. (1 kg)

MATERIALS OF CONSTRUCTION

- » body ~ cast iron
- » diaphragm casings ~ die cast aluminum
- » diaphragm ~ molded nitrile rubber with nylon reinforcing
- » valve seat ~ buna N rubber
- » diaphragm plates ~ steel
- » orifice ~ aluminum, brass or stainless steel
- » top cap ~ aluminum
- » fasteners & vent screen - stainless steel