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 scm/h)
» 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