



BDRMG MODELS

240 & 240-C

SPRING-LOADED GAS PRESSURE REGULATOR

INTRODUCTION

- » 240 is the standard regulator design
- » 240-C has modified design for increased performance capacity
- » specifically designed for safe, accurate pressure reduction
- » high pressure, direct-acting, diaphragm operated
- » utilized in residential, commercial and industrial applications
- » for natural gas and all non-corrosive gaseous media

FEATURES

- » maximum inlet pressure - 150 psig (10 bar)
- » outlet pressure range 4" w.c. - 3 psig (10 - 210 mbar)
- » flow capacity - 4,030 scfh (115 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 as angle (90°) or in-line (180°) body
- » available with NPT or BSP thread profiles
- » available with ASA or PN flange standards
- » threaded connections - ¾", 1", 1¼", 1½"
- » flanged connections - 1"

SPRING SELECTION

- » spring 126 (red) ~ range 4" - 8" w.c.
- » spring 131 (self) ~ range 6" - 14" w.c.
- » spring 127 (green) ~ range 10" - 17" w.c.
- » spring 392 (white) ~ range 16" - 30" w.c.
- » spring 393 (blue) ~ range 1 - 2 psig
- » spring 394 (long blue) ~ range 3 - 4 psig

WEIGHTS

- » angle body ~ 4.3 lbs. (1.95 kg)
- » in-line body (¾", 1") ~ 5.0 lbs. (2.3 kg)
- » in-line body (1¼", 1½") ~ 6 lbs. (2.7 kg)
- » flanged body ~ 9.0 lbs. (4.1 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