



BDRMG MODEL

273PL

PILOT-LOADED GAS PRESSURE REGULATOR

INTRODUCTION

- » specifically designed for safe, highly accurate pressure reduction
- » ideal for P.F.M (Pressure Factor Metering) or fixed factor metering
- » utilized in commercial, industrial and multi-installation applications
- » for natural gas and all non-corrosive gaseous media

FEATURES

- » maximum inlet pressure - 275 psig (19 bar)
- » outlet pressure range 2 - 60 psig (0.14 - 4 bar)
- » flow capacity - 128,500 scfh (3,640 scmh)
- » ease of maintenance (spares kits available)
- » temperature rating -40° to 140°F, -40° to 60°C

OPTIONS

- » available with integral over pressure cut-off safety slam shut valve (OPCO)
- » 309LP OPCO - cut-off upto 8 psig
- » 309LP2 OPCO - cut-off upto 20 psig
- » 309LP4 OPCO - cut-off upto 66 psig
- » available with integral under and over pressure cut-off safety slam shut valve (UPCO/OPCO)
- » UPCO range ~ 4" w.c. - 8 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
- » available with ANSI or PN flange standards
- » threaded connections - 1¼", 1½", 2"
- » flanged connections - 2"

SPRING SELECTION

- » spring 1047 (purple) ~ range 2 - 5 psig
- » spring TX/002 (silver) ~ range 5 - 30 psig
- » spring TX/003 (blue) ~ range 30 - 60 psig

WEIGHTS

- » threaded body ~ 22 lbs. (10 kg)
- » flanged body ~ 30 lbs. (13.5 kg)
- » with 309LP ~ add 2 lbs. (0.9 kg)
- » with 309LP2 ~ add 4 lbs. (1.8 kg)
- » with 309LP4 ~ add 8 lbs. (3.6 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 ~ brass or stainless steel
- » pilot regulator ~ aluminum
- » top cap ~ aluminum