BDRMG MODEL

240PL

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 (14 - 4 bar)
» flow capacity - 29,800 scfh (844 scm/h)
» ease of maintenance (spares kits available)
» temperature rating -40° to 60°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 (OPCO/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 - ¾", 1", 1¼", 1½"
» flanged connections - 1"

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 ¾", 1" ~ 6.6 lbs. (3 kg)
» threaded body 1¼", 1½" ~ 7.5 lbs. (3.4 kg)
» flanged body ~ 12 lbs. (5.5 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