

DOMUS – gas pressure regulator, pre-trimmed for hydrogen



The name Domus was inspired by a church dome – hemispherical structure evolved from the arch, usually forming a ceiling or roof.

The DOMUS is pilot operated and was specifically designed for applications with high inlet pressure. Its body and internal parts are all made from stainless steel.

DOMUS can be used with Natural Gas including CNG, nitrogen, oxygen, hydrogen and other non-corrosive gases.

This pressure regulator can be applied to a wide variety of situations:

- Natural gas decompression
- CNG decompression
- Daughter Stations
- Well head
- Virtual pipeline (road tankers)
- Industrial processes using high pressure cylinders of N₂, H₂ and natural gas
- High pressure testing

Technical Specification

Materials:

- Body and Covers: Stainless Steel
- Internals: Stainless Steel
- Seals: Buna N

Connections:

- 1"x1", 1"x2", 2"x2", 2"x3", 2"x4"
- Flange 150# up to 2500#

Limits of Operation:

- Temperature: -30°C to +120°C (other values under review)
- Regulating Range: 1 to 110
- 10 bar to 400 bar

FTPS has recently used the DOMUS as Active Monitor within a recent High to Low Pressure PRS, which included our own pre heat Heat Pack and Vertical Heat Exchanger. The Domus was chosen for its precise control, accuracy and reliability.

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