

## **Reflux** 919

The Reflux 919 by Pietro Fiorentini is a control diaphragm valve specifically designed for natural gas or other preliminarily filtered non-corrosive gases applications. It can be supplied as direct-action (air to close) or reverse action (air to open) configuration. This device is mainly used in high-pressure transmission systems and in medium pressure gas distribution networks.





Gas liquefaction

booster stations

Gas storage

Gas compression /



City gates	₽ ₽	Power generation
Heavy industries		LNG marine
Regasification	¢₽	Gas reverse-flow

Values
up to 10.2 MPa up to 102 barg
from -20 °C to +60 °C from -4 °F to +140 °F
from -20 °C to +60 °C from -4 °F to +140 °F
from 0.1 to 10.0 MPa from 1 to 100 barg
from 0.05 to 9.5 MPa from 0.5 to 95 barg
from 21 to 103 kPa or from 42 to 206 kPa from 0.21 to 1.03 bar or from 0.42 to 2.06 bar
4 ÷ 20 mA
DB/819 Silencer, PM/819 Monitor, SB/82 Slam shut, HB/97 Slam shut
DN 25   1"; DN 50   2"; DN 80   3"; DN 100   4"; DN 150   6"; DN 200   8"; DN 250   10";
Class 150, 300, 600 RF or RTJ according to ASME B16.5 and PN16 according to ISO 7005

is the maximum for which the equipment's full performance, including accuracy is guaranteed. Product may have a different pressure or temperature ranges according to the version and/or installed accessories.

Table 1 Features



## Materials and Approvals

ASTM A 352 LCC cast steel for classes ANSI 600 and 300; ASTM A 216 WCB cast steel for classes ANSI 150 and PN 16/40
Stamped carbon steel
AISI 416 stainless steel
ASTM A 350 LF2 nickel-plated steel
Carbon steel + vulcanized rubber
Rubberised Canvas (pre-formed by hot-pressing process)
Nitrile Rubber
Made of zync-plated steel according to DIN 2353; on request, stainless steel

NOTE: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.

Table 2 Materials

The Reflux 919 valve is designed according to the European standard EN 334.

The control valve can react in opening (Fail Open) or closing (Fail Close) according to EN 334 depending on the purchased version.

The product is certified according to European Directive 2014/68/EU (PED).

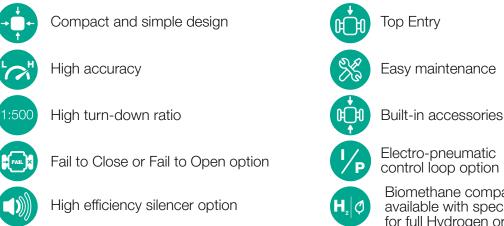
Leakage class: bubble tight, better than VIII according to ANSI/FCI 70-3.



EN 334



## Reflux 919 competitive advantages



Biomethane compatible and available with specific versions for full Hydrogen or blending