

PVS 803

PVS 803 by Pietro Fiorentini is one of the pilot-operated relief valves where the opening and the closing of the main plug is controlled by a pilot. Pilot operated relief valves are very responsive to the variations of the line pressures delivering high accuracy. Particularly suitable for high-pressure transmission systems and for medium pressure gas distribution networks, this device can be used with natural gas and previously treated, non corrosive gaseous fluids.





Gas compression / booster stations

Gas liquefaction



LNG marine transportation

Gas reverse-flow

Regasification





City gates

Gas storage

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
Manual testing device (push)
up to 10%
from 0.15 MPa to 7.5 MPa from 1.5 barg to 75 barg
DN 25 / 1"; DN 50 / 2"; DN 80 / 3"; DN 100 / 4"; DN 150 / 6"
ANSI 150, 300 and 600 according to ASME B16.5 and PN 16 according EN 1092
according to EN 334, EN 14382

(*) REMARK: Different functional features and/or extended temperature ranges available on request. Stated temperature ranges are the maximum for which the equipment's full performance, including accuracy, are fulfilled. Standard product may have a narrower range.

Table 1 Features



Materials and Approvals

Part	Material
Body	Cast steel ASTM A 352 LCC for classes ANSI 300 and 600; Cast steel ASTM A 216 WCB for classes ANSI 150 and PN 16
Stem	AISI 416 stainless steel
Plug	Carbon steel + vulcanized rubber
Valve seat	Stainless steel
Sealing ring	Nitrile rubber
Compression fittings	Zinc-plated carbon steel according to DIN 2353; Stainless steel on request

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

Table 2 Materials

PVS 803 is a pilot operated safety valve designed according to ISO 4126-4. 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.



PVS 803 competitive advantages



Fast response time

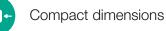
High accuracy



Manual testing device (optional)



Easy maintenance



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