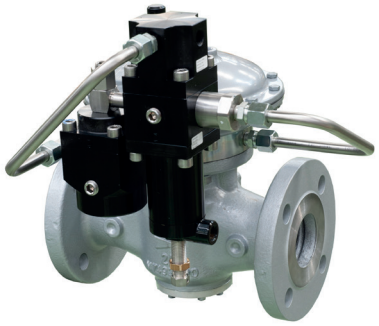
Pietro Fiorentini

Dixi



Dixi is one of the **pilot-operating gas pressure regulators** designed and manufactured by Pietro Fiorentini. This device is suitable for use with previously filtered non-corrosive gases, and it is mainly used for medium and low pressure natural gas distribution networks. According to the European Standard EN 334, it is classified as Fail Close (pilot series 200/A) or Fail Open (pilot series 210/A) according to the installed pilot. The Dixi is Hydrogen Ready for NG-H_2 blending.

Medium / small industry

District stations

Features	Values
Design pressure* (PS[1] / DP[2])	up to 1.6 MPa up to 16 barg
Ambient temperature* (TS[1])	from -20 °C to +60 °C from -4 °F to +140 °F
Inlet gas temperature*	from -20 °C to +60 °C from -4 °F to +140 °F
Inlet pressure (MAOP / p_{umax} [1])	from 0.05 to 1.6 MPa from 0.5 to 16 barg
Range of downstream pressure (Wd[1])	from 0.7 kPa to 0.6 MPa from 7 mbarg to 6 barg
Available accessories	LA Slam shut, opening indicator
Minimum operating differential pressure (Δp_{min} [1])	0.01 MPa 0.1 barg
Accuracy class (AC[1])	up to 2.5 | up to 1% absolute (depending on working conditions)
Lock-up pressure class (SG[1])	up to 10
Nominal size (DN[1,2])	DN 25 | 1"; DN 40 | 1" 1/2; DN 50 | 2";
Connections	Class 150 RF according to ASME B16.5 and PN16, 25 according to ISO 7005

([1]) according to EN334 standard
([2]) according to ISO 23555-1 standard
(*) NOTE: Different functional features and/or extended temperature ranges may be available on request. Stated inlet gas temperature range 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

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Materials and **Approvals**

Part	Material
Body	Cast steel ASTM A216 WCB for all sizes Ductile cast iron GS 400-18 ISO 1083
Heads	Die cast aluminium EN AC 43500
Seat	Stainless steel
Diaphragm	Rubberized canvas
O-rings	Nitrile Rubber
Compression fittings	According to DIN 2353 in zinc-plated carbon steel. Stainless steel on request

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

Table 2 Materials

Dixi regulator is designed according to the European standard EN 334.
The regulator reacts in closing (Fail Close) or opening (Fail Open) according to EN 334 depending on the pilot installed.
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 PED-CE*

*Not applicable for regulators with pilot series 210

Dixi competitive advantages

- Compact and simple design
- High accuracy
- High turn-down ratio
- Fail Close plug and seat regulator
- Built-in pilot filter
- Top Entry
- Easy maintenance
- In-build accessories
- Balanced type
- Biomethane compatible and 20% Hydrogen blending compatible. Higher blending available on request

Pietro Fiorentini S.p.A.
Via E.Fermi, 8/10 | 36057 Arcugnano, Italy | +39 0444 968 511
sales@fiorentini.com