

# Dixi

**Dixi** is one of the **pilot-operated 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**.



Medium / small industry



District stations

Features	Values
Design pressure*	up to 1.6 MPa up to 16 barg
Ambient temperature*	from -20 °C to +60 °C from -4 °F to +140 °F
Inlet gas temperature range*	from -20 °C to +60 °C from -4 °F to +140 °F
Inlet pressure range bpu (MAOP)	from 0.05 to 1.6 MPa from 0.5 to 16 barg
Range of downstream pressure Wd	from 0.0007 to 0.6 MPa from 0.007 to 6 barg
Available Accessories	LA Slam shut, opening indicator
Minimum differential pressure	0.01 MPa 0.1 barg
Accuracy class AC	up to 2.5
Lock-up pressure class SG	up to 10
Nominal dimensions DN	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

**(\*) 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 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

**REMARK: 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) according to EN 334. 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

## Dixi competitive advantages



Compact and simple design



High accuracy



1:500 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 10% Hydrogen blending compatible. Higher blending available on request