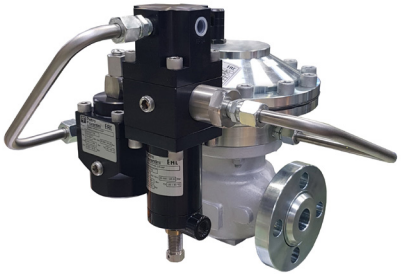
Pietro Fiorentini

Dixi AP



Dixi AP 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 high-pressure transmission systems and for medium pressure natural gas distribution networks. According to the European Standard EN 334, it is classified as **Fail Close.**

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

Features	Values
Design pressure*	up to 8.5 MPa up to 85 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 0.15 to 8.5 MPa from 1.5 to 85 barg
Range of downstream pressure Wd	from 0.05 to 2.5 MPa from 0.5 to 25 barg
Available Accessories	SB/87 Slam shut
Minimum differential pressure	0.1 MPa 1 barg
Accuracy class AC	up to 2.5 (depending on working conditions)
Lock-up pressure class SG	up to 10 (depending on working conditions)
Nominal dimensions DN	DN 25 / 1”
Connections*	Class 150, 300, 600 RF or RTJ according to ASME B16.5 and PN 16 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

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Materials and **Approvals**

Part	Material
Body	Cast steel ASTM A352 LCB
Heads	ASTM A350 LF2 Forged steel
Stem	AISI 416 stainless steel
Plug	AISI 416 + Vulcanized rubber
Seat	Stainless steel
Diaphragm	Vulcanized rubber
Sealing ring	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 AP regulator is designed according to the European standard EN 334.
The regulator reacts in opening (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 AP 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
- Built-in accessories
- Biomethane compatible and available with specific versions for full Hydrogen or blending
- Balanced type

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