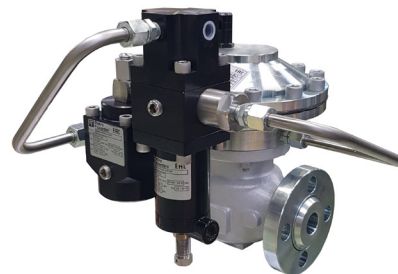


Dixi AP

The **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**. The Dixi AP is **Hydrogen Ready** for NG-H2 blending.



Gas storage



City gates



Power generation



Regasification



Heavy industries



LNG marine



Gas reverse-flow

Features	Values
Design pressure* (PS ¹ / DP ²)	up to 8.5 MPa up to 85 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 0.15 to 8.5 MPa from 1.5 to 85 barg
Range of downstream pressure (Wd ¹)	from 0.05 to 2.5 MPa from 0.5 to 25 barg
Available accessories	SB/87 Slam shut
Minimum operating differential pressure (Δp _{min} ¹)	0.1 MPa 1 barg
Accuracy class (AC ¹)	up to 2.5 (depending on working conditions)
Lock-up pressure class (SG ¹)	up to 10 (depending on working conditions)
Nominal size (DN ^{1,2})	DN 25 1"
Connections	Class 150, 300, 600 RF or RTJ according to ASME B16.5 and PN 16 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

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

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

Table 2 Materials

The **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
20% Hydrogen blending compatible.
Higher blending available on request



Balanced type