Pietro Fiorentini

ATF 15

The **ATF 15** is one of the **direct-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 Open.** The ATF 15 is **Hydrogen Ready** for NG-H2 blending.



Heavy industries

Power generation

Features	Values
Design pressure* (PS[1] / DP[2])	up to 22.0 MPa up to 220 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 0.2 to 25 MPa from 2 to 250 barg
Range of downstream pressure (Wd[1])	from 0.15 to 6.0 MPa from 1.5 to 60 barg
Available accessories	none
Minimum operating differential pressure (Δp_{min} [1])	0.05 MPa 0.5 barg
Accuracy class (AC[1])	up to 5 (depending on working conditions)
Lock-up pressure class (SG[1])	up to 10 (depending on working conditions)
Nominal size (DN[1,2])	1/4”
Connections	pipe connections: 1” NPT outlet connections: Rp ¼” ISO 7/1

([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	Carbon steel ASTM A350 LF2
Seat	Stainless steel
Diaphragm	Rubberized canvas (performed by hot-pressing process)
Sealing ring	Nitrile rubber
Compression fittings	Zinc-plated carbon steel according to DIN 2353; 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 **ATF 15** regulator is designed according to the European standard EN 334.
The regulator reacts in opening (Fail Open) according to EN 334.
Leakage class: bubble tight, better than VIII according to ANSI/FCI 70-3.

EN 334

ATF 15 competitive advantages

- Compact and simple design
- Operates with high differential pressure
- Does not require gas pre-heating
- Single orifice
- Easy maintenance
- Anti freezing
- Biomethane compatible and 20% Hydrogen blending compatible. Higher blending available on request

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