Pietro Fiorentini

Staflux 187



Staflux 187 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 Staflux 187 is **Hydrogen Ready** for NG-H2 blending.

- Gas liquefaction
- Gas compression / booster stations
- Gas storage
- City gates
- Heavy industries
- Regasification
- Power generation
- LNG marine
- Gas reverse-flow

Features	Values
Design pressure* (PS[1] / DP[2])	up to 25.0 MPa up to 250 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 0.1 to 7.5 MPa from 1 to 75 barg
Available accessories	none
Minimum operating differential pressure (Δp_{min} [1])	0.1 MPa 1 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])	DN 25 | 1”;
Connections	Class 1500 RF or RTJ according to ASME B16.5

([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

Pietro Fiorentini

Materials and **Approvals**

Part	Material
Body	Cast steel ASTM A352 LCC
Cover	ASTM A350 LF2 carbon steel
Stem	AISI 416 stainless steel
Seat	Stainless steel
Diaphragm	Vulcanized rubber
Sealing ring	Nitrile rubber
Compression fittings	Zinc-plated carbon steel

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

Table 2 Materials

The **Staflux 187** regulator is designed according to the European standard EN 334.
The regulator reacts in opening (Fail Open) 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

Staflux 187 competitive advantages

- Compact and simple design
- Operates with high differential pressure
- Does not require gas pre-heating
- Top Entry
- Easy maintenance
- 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