

# 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



City gates



Power generation

Gas compression /  
booster stations

Heavy industries



LNG marine



Gas storage



Regasification



Gas reverse-flow

Features	Values
Design pressure* (PS <sup>1</sup> / DP <sup>2</sup> )	up to 25.0 MPa up to 3,625 psig
Ambient temperature* (TS <sup>1</sup> )	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 <sub>umax</sub> <sup>1</sup> )	from 0.2 MPa to 20 MPa from 29 psig to 2,900 psig
Range of downstream pressure (Wd <sup>1</sup> )	from 0.1 MPa to 7.5 MPa from 14.5 psig to 1,088 psig
Available accessories	stand alone SBC 187 slam shut valve
Minimum operating differential pressure (Δp <sub>min</sub> <sup>1</sup> )	0.1 MPa 14.5 psig
Accuracy class (AC <sup>1</sup> )	up to 5 (depending on working conditions)
Lock-up pressure class (SG <sup>1</sup> )	up to 10 (depending on working conditions)
Nominal size (DN <sup>1,2</sup> )	DN 25   1";
Connections	Class 1500 RF or RTJ according to ASME B16.5

(<sup>1</sup>) according to EN334 standard

(<sup>2</sup>) 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 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



Easy maintenance



Operates with high differential pressure



Balanced type



Does not require gas pre-heating



Biomethane compatible and  
20% Hydrogen blending compatible.  
Higher blending available on request



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