Pietro Fiorentini

Staflux Mini

Staflux Mini is a **direct-operated pressure regulator** controlled by a diaphragm and contrasting regulated counter pressure action. Mainly used for CNG trailers, high-pressure transmission systems and for medium pressure natural gas distribution networks, it can be used with previously filtered non-corrosive gases. According to the European Standard EN 334, it is classified as **Fail Close**.

- Heavy industries
- Medium / small industries
- Gas storage

Features	Values
Design pressure*	up to 25 MPa up to 250 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 0.5 to 25 MPa from 5 to 250 barg
Range of downstream pressure Wd	from 0.4 to 7.5 MPa from 4 to 75 barg
Available Accessories	built-in filter
Minimum differential pressure	0.1 MPa 1 barg
Accuracy class AC	up to 10 (depending on working conditions)
Lock-up pressure class SG	10 (depending on working conditions)
Nominal dimensions DN	DN 25 / 1”
Connections*	Class 1500 RF according to ANSI B16.5 or threaded NPT

(*) 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	ASTM A350 LF2 – Carbon Steel
Cover	ASTM A350 LF2 – Carbon Steel
Plug	Stainless steel AISI 416
Seat	Stainless steel AISI 416
Diaphragm	Rubber : NBR/PVC
Sealing ring	Nitril rubber
Stem	AISI 416
REMARK: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.	

Table 2 Materials

Staflux Mini regulator is designed according to the European standard EN 334.
The regulator reacts in closure (Fail Close) according to EN 334.
Leakage class: bubble tight, better than VIII according to ANSI/FCI 70-3.

EN 334

Staflux Mini competitive advantages

- Compact and simple design
- Operates with high differential pressure
- Does not require gas pre-heating
- Balanced type
- Top Entry
- Easy maintenance
- Built-in filter
- Biomethane compatible and available with specific versions for full Hydrogen or blending