

Staflux Mini

The **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**. The Staflux Mini is **Hydrogen Ready** for NG-H2 blending.



Heavy industries

Medium /small
industries

Gas storage

Features	Values
Design pressure* (PS ¹ / DP ²)	up to 25 MPa up to 3,625 psig
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 0.5 MPa to 25 MPa from 72.5 psig to 3,625 psig
Range of downstream pressure (Wd ¹)	from 0.4 MPa to 7.5 MPa from 58 psig to 1,088 psig
Available accessories	built-in filter
Minimum operating differential pressure (Δp _{min} ¹)	0.1 MPa 14.5 psig
Accuracy class (AC ¹)	up to 10 (depending on working conditions)
Lock-up pressure class (SG ¹)	10 (depending on working conditions)
Nominal size (DN ^{1,2})	DN 25 1"
Connections	Class 1500 RF according to ANSI B16.5 or threaded NPT

(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	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

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

Table 2 Materials

The **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



Top Entry



Operates with high differential pressure



Easy maintenance



Does not require gas pre-heating



Built-in filter



Balanced type



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