

# 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 3,625 psig
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 MPa to 25 MPa from 72.5 psig to 3,625 psig
Range of downstream pressure Wd	from 0.4 MPa to 7.5 MPa from 58 psig to 1,088 psig
Available Accessories	built-in filter
Minimum differential pressure	0.1 MPa 14.5 psig
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

## 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



Top Entry



Operates with high differential pressure



Easy maintenance



Does not require gas pre-heating



Built-in filter



Balanced type



Biomethane compatible and available with specific versions for full Hydrogen or blending