



# **Staflux Mini**

Direct acting pressure regulator

# STAFLEX MINI

## Classification and Area of Application

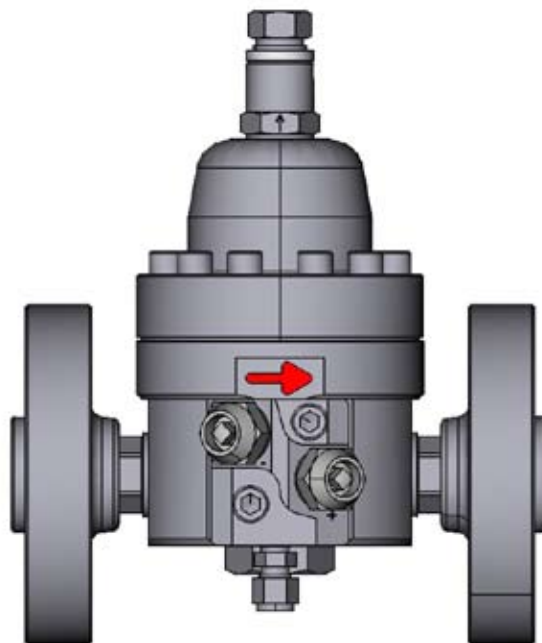
The **Staflux Mini** is a direct action device for high pressure, controlled by a diaphragm and contrasting regulated counter pressure action.

This regulator is also suitable for using with previously filtered, non corrosive gases. It is a truly “**top entry design**” which allows an easy maintenance of parts directly on the field.

Set point adjustment of the regulator is operated via a three way – two valve unit used to load and unload the pressure on the top of the chamber.

A small capacity relief valve prevents to set pressure at values beyond limits and, at the same time, protects the pressurised chamber from overpressure subsequent to high ambient temperatures.

Pressure in the top chamber is creating the counter action similar to the one of a spring in more conventional regulators.



Staflux Mini - flanged version

**DESIGNED  
WITH YOUR  
NEEDS IN MIND**

- COMPACT & SIMPLE DESIGN
- EASY MAINTENANCE
- TOP ENTRY

- HIGHT P HANDLING
- RUDGED CONSTRUCTION
- EASY TO OPERATE

## FEATURES

### Functional features:

■ <b>Maximum inlet pressure up to:</b>	250 bar
■ <b>Range of downstream pressure:</b>	4 – 75 bar
■ <b>Minimum ambient temperature:</b>	-20°C
■ <b>Maximum ambient temperature:</b>	+60°C
■ <b>Inlet gas temperature:</b>	up to -20°C + 60°C
■ <b>Accuracy class AC:</b>	up to 5
■ <b>Look-up pressure class SG:</b>	up to 10

### Design features:

■ <b>Nominal dimensions DN:</b>	25 (1");
■ <b>Flanged connections:</b>	ANSI 1500 RF or threaded NPT

### Materials:

■ <b>Body:</b>	ASTM A350 LF2 – Carbon Steel
■ <b>Covers:</b>	ASTM A350 LF2 – Carbon Steel
■ <b>Diaphragm:</b>	Rubber: NBR/PVC
■ <b>Seat:</b>	Stainless steel AISI 416
■ <b>Filter:</b>	Stainless steel AISI 304
■ <b>Obturator:</b>	Stainless steel AISI 416

### Dimensions and Weight

■ <b>Dimensions:</b>	265 x 126 mm (without flanges)
■ <b>Weight:</b>	12 kg (18kg flanged version)

## STAFUX MINI Flow rate [Nm<sup>3</sup>/h]

Outlet Pressure (bar)	Inlet pressure (bar)												
	5	10	20	40	60	80	100	120	140	160	200	220	250
<b>4</b>	120	270	270	270	270	270	270	270	270	270	270	270	270
<b>5</b>	-	300	320	320	320	320	320	320	320	320	320	320	320
<b>10</b>	-	-	570	590	590	590	590	590	590	590	590	590	590
<b>15</b>	-	-	460	850	850	850	850	850	850	850	850	850	850
<b>20</b>	-	-	-	1120	1120	1120	1120	1120	1120	1120	1120	1120	1120
<b>30</b>	-	-	-	900	1650	1650	1650	1650	1650	1650	1650	1650	1650
<b>40</b>	-	-	-	-	1480	2180	2180	2180	2180	2180	2180	2180	2180
<b>50</b>	-	-	-	-	1130	2040	2710	2710	2710	2710	2710	2710	2710
<b>60</b>	-	-	-	-	-	1770	2600	3240	3240	3240	3240	3240	3240
<b>70</b>	-	-	-	-	-	1330	2360	3150	3770	3770	3770	3770	3770

Tab.1

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The data are not binding.  
We reserve the right to make  
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