MGS3

bourdon tube pressure gauges

ATEX, NACE MATEX, NACE MR 01.75 / ISO 15156 TEX, NACE MR 01.75 / ISO 15156 01.75 / ISO 15156

DS 4", 6" (100-150mm)

Versions		
2 <i>G</i> 1	2D1	
II	II	
2	2	
G		
	GD	
T6	T6	

Group: all the installations, with exclusion of mines Category: high level of protection Explosive atmosphere: inflammable gases Explosive atmosphere: inflammable gases and dusts

These instruments are designed for petrochemical industry. They are built to resist to the most severe conditions created by H2S and by the environment. The MGS pressure gauges are in conformity with the essential Health and Safety Requirements laid down in European Directive 94/9/EC for Group II, Category 2G or 2GD equipment in the T1...T6 temperature classes. They are NOT suitable for ZONES 0 and 20.

2G1 Version, Gas

4" and 6" (DS 100-150 mm) sizes are available, as standard version, or **fillable** version for pressure ranges \leq 6 bar.

Temperature class: 85°C

They keep the same functional and constructive features as MGS37 model. They differ from them as follows:

Ambient temperature: -4...+140 °F (-20...+60 °C).

Max process fluid temperature: see table (measured on the lowest point of socket).

Windows: high resistance safety glass.

Dial marking: CE Ex II 2G c T6X TF1, model name and serial/lot number.

Special dial: ranges different from standard, custom artworks and dials without Nuova Fima logo are not

Options: plexiglas or tempered glass windows are not available.

Included documentation: Installation manual.

2D1 Version, Gas and Dust

4" and 6" (DS 100-150 mm) are available, as fillable version for pressure ranges > 6 bar, or **filled** version.

They keep the same functional and constructive features as MGS37 model. They differ from them as follows:

Damping liquids: glycerine 98%, silicon oil.

Ambient temperature:

+59...+140 °F (+15...+60 °C) for glycerine filling; -4...+140 °F (-20...+60 °C) for silicon oil filling.

Max process fluid temperature: see table (measured on the lowest point of socket).

Windows: high resistance safety glass.

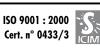
Dial marking: CE Ex II 2GD c T6X TF1 IP65 T85°C, model name and serial/lot number.

Special dial: ranges different from standard, custom artworks and dials without Nuova Fima logo are not available.

Options: plexiglas or tempered glass windows are not available.

Included documentation: Installation manual.

Class	Instrument
	case
T6: 185°F (85°C)	158°F (70°C)
T5 : 212°F (100°C)	185°F (85°C)
T4:275°F (135°C)	
T3:392°F (200°C)	212°F (100°C)
T2:572°F (300°C)	
T1 : 842°F (450°C)	



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safety pressure gauges "solid-front" ATEX, NACE MR 01.75 / ISO 15156 DS 4", 6" (100-150mm)



Versions	
2G1	2D1
II	II
2	2
G	
	GD
T6	T6

Group: all the installations, with exclusion of mines Category: high level of protection Explosive atmosphere: inflammable gases Explosive atmosphere: inflammable gases and dusts *Temperature class: 85°C*

These instruments are designed for petrochemical industry. They are built to resist to the most severe conditions created by H2S and by the environment. The MGS pressure gauges are in conformity with: to the essential Health and Safety Requirements laid down in European Directive 94/9/EC for Group II, Category 2G or 2GD equipment in the T1...T6 temperature classes; to construction and safety specifications of EN 837-1/S3 e ASME B40.1. In case of leaks or break of the elastic element, the operator is protected by a solid separating wall placed on the front of the instrument and by the blow out back. They are NOT suitable for ZONES 0 and 20.

2G1 Version, Gas

4" and 6" (DS 100-150 mm) sizes are available, as standard version, or **fillable** version for pressure ranges \leq 6 bar.

They keep the same functional and constructive features as MGS41 models. They differ from them as follows:

Ambient temperature: -4...+140 °F (-20...+60 °C).

Max process fluid temperature: see table (measured on the lowest point of socket).

Windows: high resistance safety glass.

Dial marking: CE Ex II 2G c T6X TF1, model name and serial/lot number.

Special dial: ranges different from standard, custom artworks and dials without Nuova Fima logo are not

Options: plexiglas or tempered glass windows are not available.

Included documentation: Installation manual.

Class	Instrument
	case
T6: 185°F (85°C)	158°F (70°C)
T5 : 212°F (100°C)	185°F (85°C)
T4: 275°F (135°C)	
T3:392°F (200°C)	212°F (100°C)
T2:572°F (300°C)	
T1 : 842°F (450°C)	

Technical File: TF1 - Rev. 1 - 21/03/08

2D1 Version , Gas and Dust

4" and 6" (DS 100-150 mm) are available, as fillable version for pressure ranges > 6 bar, or **filled** version, .

They keep the same functional and constructive features as MGS41 models. They differ from them as follows:

Damping liquids: glycerine 98%, silicon oil or fluorinated fluid. Ambient temperature:

+59...+140 °F (+15...+60 °C) for glycerine filling; -4...+140 °F (-20...+60 °C) for silicon oil or fluorinated fluid

Max process fluid temperature: see table (measured on the lowest point of socket).

Windows: high resistance safety glass.

Dial marking: CE Ex II 2GD c T6X TF1 IP65 T85°C, model name and serial/lot number.

Special dial: ranges different from standard, custom artworks and dials without Nuova Fima logo are not available.

Options: Compensating device and plexiglas windows are not available.

Included documentation: Installation manual.





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