



# MGS18-19-36

**bourdon tube pressure gauges**  
**all stainless steel construction**  
**ATEX versions,**  
**DS 4", 6" (100-150mm)**



These instruments are designed for explosive atmospheres in food, processing, pharmaceutical, petrochemical industries and conventional and nuclear power plants. The MGS pressure gauges are in conformity with the essential Health and Safety Requirements laid down in European Directive 2014/34/UE for Group II, Category 2G or 2GD equipment in the T1...T6 temperature classes, as specified by EN 13463-1:2009 and EN 13463-5:2011 standards. 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 MGS18-19-36 models. They differ from them as follows :

- Ambient temperature:**  $-22...+140$  °F ( $-30...+60$  °C).
- Max process fluid temperature:** see table (measured on the lowest point of socket).
- Protection degree:** IP 55 as per EN 60529/IEC 529.
- Windows:** high resistance safety glass.
- Socket:** with restrictor.
- Dial marking:** CE Ex II 2G c TX X, year of manufacture, model name and serial 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.

## 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 MGS18-19-36 models. They differ from them as follows :

- Damping liquids:** glycerine 98%, silicon oil.
- Ambient temperature:**  $+32...+140$  °F ( $+0...+60$  °C) for glycerine filling;  $-22...+140$  °F ( $-30...+60$  °C) for silicon oil filling.
- Max process fluid temperature:** see table (measured on the lowest point of socket).
- Protection degree:** IP 65 as per EN 60529/IEC 529.
- Windows:** high resistance safety glass.
- Socket:** with restrictor.
- Dial marking:** CE Ex II 2GD c TX X, year of manufacture, model name and serial 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	
	dry	filled
T6 : 185°F (85°C)	158°F (70°C)	149°F (65°C)
T5 : 212°F (100°C)	185°F (85°C)	
T4 : 275°F (135°C)	248°F (120°C)	
T3 : 392°F (200°C)	302°F (150°C)	
T2 : 572°F (300°C)		
T1 : 842°F (450°C)		

Technical File: TF1 - Rev. 3

ISO 9001 : 2008  
Cert. nr. 0433/6



**safety pressure gauges "solid-front"**  
**all stainless steel ,construction**  
**ATEX versions,**  
**DS 4", 6" (100-150mm)**



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## 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 MGS20-21-40 models. They differ from them as follows :

- Ambient temperature:**  $-22...+140$  °F ( $-30...+60$  °C).
- Max process fluid temperature:** see table (measured on the lowest point of socket).
- Protection degree:** IP 55 as per EN 60529/IEC 529.
- Windows:** high resistance safety glass.
- Socket:** with restrictor.
- Dial marking:** CE Ex II 2G c TX X, year of manufacture, model name and serial number.
- Special dial:** ranges different from standard, custom artworks and dials without Nuova Fima logo are not available.
- Options:** compensating devices, plexiglas or tempered glass windows are not available.
- Included documentation:** Installation manual.

Class	Instrument case	
	dry	filled
T6 : 185°F (85°C)	158°F (70°C)	149°F (65°C)
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**Technical File:** TF1 - Rev. 3

## 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 MGS20-21-40 models. They differ from them as follows :

- Damping liquids:** glycerine 98%, silicon oil or fluorinated fluid.
- Ambient temperature:**  $+32...+140$  °F ( $+0...+60$  °C) for glycerine filling;  $-22...+140$  °F ( $-30...+60$  °C) for silicon oil or fluorinated fluid filling.
- Max process fluid temperature:** see table (measured on the lowest point of socket).
- Protection degree:** IP 65 as per EN 60529/IEC 529.
- Windows:** high resistance safety glass.
- Socket:** with restrictor.
- Dial marking:** CE Ex II 2GD c TX X, year of manufacture, model name and serial number.
- Special dial:** ranges different from standard, custom artworks and dials without Nuova Fima logo are not available.
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