

MXG3A

Bourdon tube pressure gauges

Technical Data Sheet



Description

Glycerine filled back entry. For special industrial applications, chemical, food and shipbuilding industries.



MX3GA-63

DN63 pressure gauges.

Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
	vacuum+low bar	G1/4B	LF	1/1	1
	medium bar	G1/4B	LF	1/1	1
	high bar	G1/4B	LF	1/1	1
	400/over bar	G1/4B	LF	1/1	1



MX3GA-100

DN100 pressure gauges.

Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
	vacuum+low bar	G1/2B	LF	1/1	1
	medium bar	G1/2B	LF	1/1	1
	high bar	G1/2B	LF	1/1	1
	400/over bar	G1/2B	LF	1/1	1



MX3GA-160

DN160 pressure gauges.

Part No	Pressure Range	Connection	Options*	Box/Master	Min. order
	vacuum+low bar	G1/2B	LF	1/1	1
	medium bar	G1/2B	LF	1/1	1
	high bar	G1/2B	LF	1/1	1
	400/over bar	G1/2B	LF	1/1	1

*Options included

LF = Fimet Watts logo on the dial

Customizations per minimum order quantity

Customizations	Model
Test Certificate (max 600 bar)	MX3A-63/100/160
Atex Certificate	MX3A-63/100/160
QX = Special sections dial	MX3A-63/100/160

QX - Scale range on dial

Range mbar	No of division	Scale interval
-1-0	0.02	50
-1 +0.6	0.02	80
-1+1.5	0.05	50
-1+3	0.1	40
-1+5	0.1	60
-1+9	0.2	50
-1+15	0.2	80

Range Low	No of division	Scale interval
0- 0.6	0.01	60
0-1	0.02	50
0- 1.6	0.02	80

Range Medium	No of division	Scale interval
0-2.5	0.05	50
0-4	0.1	40
0 - 6	0.1	60
0 - 10	0.2	50
0 - 16	0.2	80
0 - 25	0.5	50
0 - 40	1	40

Range High	No of division	Scale interval
0 - 60	1	60
0 - 100	2	50
0 - 160	2	80
0 - 250	5	50
0 - 400	10	40
0 - 600	10	60
0 - 1000	20	50
0 - 1600 *	50	32

* Available only DN160

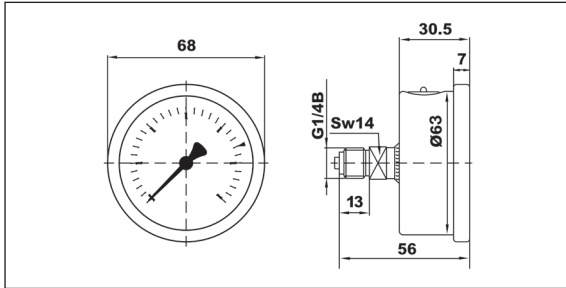
Features

Materials	
Case	Stainless steel with pressure relief device AISI 304 with adjustment hole
Window	Safety glass
Dial	White aluminium, black scale and graduation
Pointer	Aluminium, black
Pressure connection	Stainless steel AISI 316L
Pressure element	Bourdon tube stainless AISI 316L ≤ 60 bar circle > 60 bar helical
Movement	Stainless steel
Liquid filling	Glycerine 99.5%

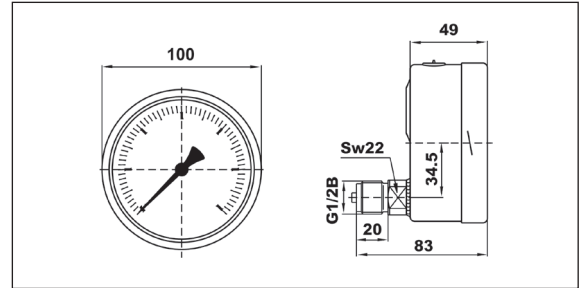
Technical features	DN63	DN100-160
Design	<i>EN 837-1</i>	<i>EN 837-1</i>
Working pressure	Steady: 75% of full scale value Fluctuating: 60% of full scale value Short time: full scale value	Steady: 75% of full scale value Fluctuating: 60% of full scale value Short time: full scale value
Temperature limits	Ambient: -20 ... +60°C; Medium: +100°C maximum Storage: -20 ... +60°C	Ambient: -20 ... +60°C; Medium: +100°C maximum Storage: -20 ... +60°C
Temperature effect	Deviation from reference temperature (+20°C): ±0,04%/1K of the span	Deviation from reference temperature (+20°C): ±0,04%/1K of the span
Accuracy class	cl. 1.6	cl. 1.0
Degree of protection	IP 65	IP 65
Individual weight:		
MXG3A-63	0.300 kg	0.300 kg
MXG3A-100	1.100 kg	1.100 kg
MXG3A-160	1.800 kg	1.800 kg

Overall dimensions (mm)

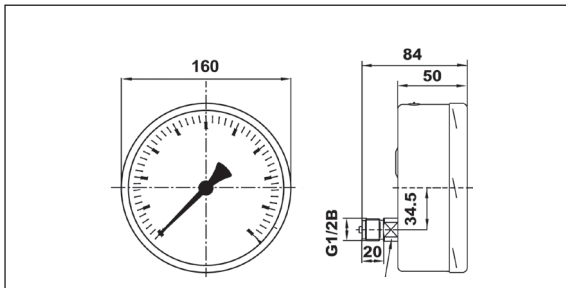
MXG3A-63



MXG3A-100



MXG3A-160



Specification text

Bourdon tube **all stainless steel** pressure gauge **MXG3A Series**, Watts Brand, for special industrial applications, chemical, food and shipbuilding industries. **Glycerin filled all stainless steel** DN 63-100-160 mm, **back connection**. Vacuum measures range -1/0 at high pressure up to 1000 bar (DN 63-100). Vacuum measures range -1/0 at high pressure up to 1600 bar (DN160). Temperature limits +100°C. Accuracy class 1.6 (DN 63) – 1.0 (DN 100-160). **Compliant with EN 837-1**



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Watts Industries Italia S.r.l.
Via Brenno, 21 • 20853 Biassono (MB) • Italy
Tel. +39 039 4986.1 • Fax +39 039 4986.222
infowattsitatia@wattswater.com • www.watts.com