MN17

bourdon tube test gauges
“solid-front” , class 0,25%
DS 6” (150mm)

These instruments have been specifically designed for laboratories, instrument testing or recalibration facilities, and for all applications where accuracy and repeatability are of primary importance. They are equipped with a solid stainless steel safety partition, positioned between the dial and the elastic element, and with a blow-out back. In the event of leaks or accidental rupture of the elastic element, any pressure build-up inside the case is safely discharged through the blow-out back, which detaches from the case to protect the operator. These instruments are suitable for use with low-viscosity fluids or gases that do not crystallize. The wetted parts in beryllium copper allow a better accuracy. Upon request, a calibration certificate issued by a laboratory officially recognized by ACCREDIA (Ex S.I.T. - Italian Calibration Service) is also available.

1.17.1 - Standard Model

Design: EN837-1.
Safety designation: S3 as per EN 837-2.
Accuracy class: 0,25 as per EN 837-1.
Ambient temperature: *+59...+149 °F* (+15...+65 °C).
Process fluid temeprature: *+149°F* (max +65 °C).
Calibration temperature: *68°F* (+20 °C).
Thermal drift: ±0,1 %/10 K of range (starting from *68°F* - 20°C).
Working pressure: max 75% of FSV.
Overpressure limit:
25% of FSV for ranges ≤ *1000 psi* (60 bar).
15% of FSV for ranges ≥ *1500 psi* (100 bar).
Protection degree: IP 55 as per IEC 529.
Socket material: AISI 316L st.st.
Bourdon tube: beryllium copper alloy.
Case: stainless steel.
Ring: stainless steel, bayonet lock.
Blow out disk: stainless steel.
Window: safety glass.
Movement: high precision type, horology alloy.
Dial: aluminium, green with black markings and anti-parallax mirror band.
Pointer: adjustable, aluminium, black, knife-edge.

RANGE	Minor graduation	Figure interval	bar	kPa	MPa	psi
-1... 0	0,005	0,10	◆			
0... 0,6	0,002	0,05	◆		◆	
0...1	0,005	0,1	◆		◆	
0...1,6	0,005	0,1	◆		◆	
0...2,5	0,01	0,1	◆		◆	
0...4	0,02	0,2	◆		◆	
0...6	0,02	0,5	◆		◆	
0...10	0,05	1	◆		◆	◆
0...16	0,05	1	◆		◆	◆
0...25	0,1	1	◆		◆	
0...30	0,1	2			◆	◆
0...40	0,2	2	◆		◆	
0...60	0,2	5	◆	◆	◆	◆
0...100	0,5	10	◆	◆	◆	◆
0...160	0,5	10	◆	◆		◆
0...250	1	10	◆	◆		
0...300	1	20	◆	◆		◆
0...400	2	20	◆	◆		◆
0...600	2	50	◆	◆		◆
0...1000	5	100	◆			◆
0...2000	10	100				◆
0...3000	10	200				◆
0...4000	20	200				◆
0...6000	20	500				◆
0...10000	50	1000				◆
0...15000	50	1000				◆

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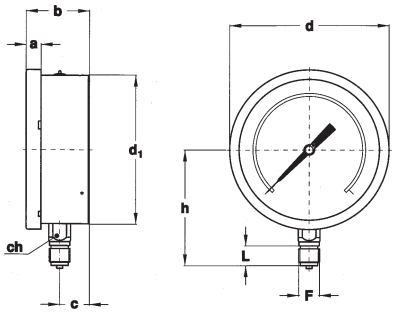
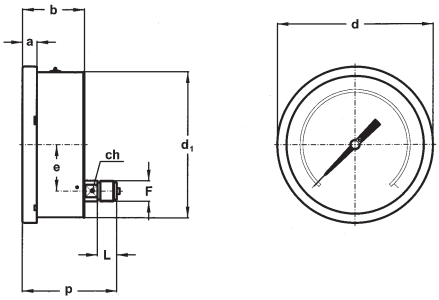
RG4 - 05/14



A - LOWER CONNECTION



D - BACK CONNECTION

Mounting	F	a	b	c	ch	d	d_1	e	h	p	L	Weight
Lower	**41M** - G 1/2 A **43M** - 1/2-14 NPT	*0.59"* (15)	*2.51"* (64)	*1.14"* (29)	*0.94"* (24)	*6.33"* (161)	*5.92"* (150,5)		*4.64"* (118)		*0.78"* (20)	*2.62 lbs* (1,19 kg)
Back	**41M** - G 1/2 A **43M** - 1/2-14 NPT	*0.59"* (15)	*2.51"* (64)		*0.66"* (17)	*6.33"* (161)	*5.92"* (150,5)	*1.88"* (47,8)		*3.83"* (97,5)	*0.78"* (20)	*2.42 lbs* (1,10 kg)

dimensions : *inches* (mm)

PRESSURE GAUGE CARRYING CASE

Instruments with lower connection can be delivered with pressure gauge carrying case, codE **5VAL**.

OPTIONS

C -	Back flange, for lower connection pressure gauges
E -	Front flange, for back connection pressure gauges
P02 -	Oxygen service
CE1 -	ACCREDIA certificate (pressure gauges)
CE3 -	ACCREDIA certificate (vacuum gauges)

"HOW TO ORDER" SEQUENCE

Section / Model / Case / Mounting / Diameter / Range / Process connection / Options

1	**17**	**1**	**A** **D**	**G**	**41M** **43M**	**C...E** **P02...CE3**

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