

standard version : DS 1.5", 2" (40-50mm)

MS1

TAB. 1

RANGES	bar	kPa	MPa	bar ext.	bar ext.	bar ext.
				psi int.	kPa int.	MPa int.
0...1			AB			
0...1,6			AB			
0...2,5	AB		AB	AB	AB	
0...4	AB		AB	AB	AB	
0...6	AB		B	AB	AB	
0...10	AB		B	AB		AB
0...16	AB		B	AB		AB
0...25	AB		B	AB		AB
0...40	AB		B	AB		AB
0...60	B			B		B
0...100	B			B		B
0...160	B			B		B
0...250	B	AB		B		B
0...400	B	AB		B		B
0...600		AB				
0...1000		AB				
0...1600		AB				
0...2500		AB				

TAB. 2

RANGES	psi ist.	psi ext.	psi ext.
	kPa ext.	bar int.	kg/cm ² int.
0...30	AB	AB	AB
0...60	AB	AB	AB
0...100	AB	AB	AB
0...160	AB	AB	AB
0...200	AB	AB	AB
0...300	AB	AB	AB
0...400	AB	AB	AB
0...500	AB	AB	AB
0...600	AB	AB	AB
0...1000	B	B	B
0...1500	B	B	B
0...2000	B	B	B
0...3000	B	B	B
0...4000	B	B	B
0...5000	B	B	B
0...6000	B	B	B

"A" = DS 1.5"(40mm); "B" = DS 2" (50mm).

standard version : DS 6" (150mm)

PRESSURE

TAB. 1

RANGES	bar (1)	kPa	MPa	bar ext.	bar ext. (1)	bar ext.
				psi int.	kPa int.	MPa int.
0...1	+		+	+	+	
0...1,6	+		+	+	+	
0...2,5	+		+	+	+	
0...4	+		+	+	+	
0...6	+		+	+	+	
0...10	+		+	+		+
0...16	+		+	+		+
0...25	+		+	+		+
0...40	+		+	+		+
0...60	+	+	+	+		+
0...100	+	+	+	+		+
0...160	+	+	+	+		+
0...250	+	+		+		+
0...400	+	+		+		+
0...600	+	+		+		+
0...1000	+	+		+		+
0...1600		+				
0...2500		+				

(1) available also kg/cm²

TAB. 2

RANGES	psi	psi int.	psi ext.	psi ext.
	kPa ext.	bar int.	kg/cm ² int.	
0...15	+	+	+	+
0...30	+	+	+	+
0...60	+	+	+	+
0...100	+	+	+	+
0...160	+	+	+	+
0...200	+	+	+	+
0...300	+	+	+	+
0...400	+	+	+	+
0...600	+	+	+	+
0...800	+	+	+	+
0...1000	+	+	+	+
0...1500	+	+	+	+
0...2000	+	+	+	+
0...3000	+	+	+	+
0...4000	+	+	+	+
0...5000	+	+	+	+
0...6000	+	+	+	+
0...10000	+	+	+	+
0...15000	+	+	+	+

COMPOUND & VACUUM

TAB. 3

RANGES	bar	kPa	bar ext.	bar ext.
			psi int.*	kPa int.
-1...0	+		+	+
-1...0,6	+		+	+
-1...1,5	+		+	+
-1...3	+		+	+
-1...5	+		+	+
-1...9	+		+	+
-1...15	+		+	+
-1...24	+		+	+
-100...0		+		
-100...150		+		
-100...300		+		
-100...500		+		
-100...900		+		
-100...1500		+		

* vacuum measurement unit : "inHg"

TAB. 4

RANGES	psi*	psi int.*	psi ext.*	psi ext.*
	kPa ext.	bar int.	kg/cm ² int.	
-30...0	+	+	+	+
-30...15	+	+	+	+
-30...30	+	+	+	+
-30...150	+		+	

* vacuum measurement unit : "inHg"

standard version : DS 1.5", 2", 2.5" (40-50-63mm)

MS2

RANGES	bar	bar ext.
		psi int.
-1...0	+	+
0...1	+	+
0...1,6	+	+
0...2,5	+	+
0...4	+	+
0...6	+	+
0...10	+	+
0...16	+	+
0...25	+	+
0...40	+	+

RANGES	psi	inHg
-30...0		+
0...15	+	
0...30	+	
0...60	+	
0...100	+	
0...160	+	
0...200	+	
0...300	+	
0...400	+	
0...500	+	
0...600	+	

bourdon tube pressure gauges : available ranges

case painted stainless steel : DS 1.5", 2", 2.5" (40-50-63mm)

MS3-MS7

RANGES	bar	bar ext. psi int.
-1...0	+	+
0...1	+	+
0...1,6	+	+
0...2,5	+	+
0...4	+	+
0...6	+	+
0...10	+	+
0...16	+	+
0...25	+	+
0...40	+	+
0...60	+	+
0...100	+	+
0...160	+	+
0...250	+	+

RANGES	psi	inHg
-30...0		+
0...15	+	
0...30	+	
0...60	+	
0...100	+	
0...160	+	
0...200	+	
0...300	+	
0...400	+	
0...500	+	
0...600	+	
0...1000	+	
0...1500	+	
0...2000	+	
0...3000	+	

anti-vibration version : DS 4" (100mm)

MS4

PRESSURE

TAB. 1

RANGES	bar (1)	kPa	MPa	bar ext. (1)	bar ext.	bar ext.
				psi int.	kPa int.	MPa int.
0...1	+		+	+	+	
0...1,6	+		+	+	+	
0...2,5	+		+	+	+	
0...4	+		+	+	+	
0...6	+		+	+	+	
0...10	+		+	+		+
0...16	+		+	+		+
0...25	+		+	+		+
0...40	+		+	+		+
0...60	+		+	+		+
0...100	+	+	+	+		+
0...160	+	+	+	+		+
0...250	+	+	+	+		+
0...300	+					
0...400	+	+		+		+
0...600	+	+		+		+
0...1000	+	+		+		+
0...1600		+				
0...2500		+				

(1) Available also kg/cm²

TAB. 2

RANGES	psi	psi int.	psi ext.	psi ext.
		kPa ext.	Bar int.	kg/cm ² int.
0...15	+	+	+	+
0...30	+	+	+	+
0...60	+	+	+	+
0...100	+	+	+	+
0...160	+	+	+	+
0...200	+	+	+	+
0...300	+	+	+	+
0...400	+	+	+	+
0...600	+	+	+	+
0...1000	+	+	+	+
0...1500	+	+	+	+
0...2000	+	+	+	+
0...3000	+	+	+	+
0...4000	+	+	+	+
0...5000	+	+	+	+
0...6000	+	+	+	+
0...10000	+	+	+	+
0...15000	+	+	+	+

COMPOUND & VACUUM

TAB. 3

RANGES	bar	kPa	bar ext.	bar ext.
			psi int.*	kPa int.
-1...0	+		+	+
-1...0,6	+		+	+
-1...1,5	+		+	+
-1...3	+		+	+
-1...5	+		+	+
-1...9	+		+	+
-1...15	+		+	+
-1...24	+		+	+
-100...0		+		
-100...150		+		
-100...300		+		
-100...500		+		
-100...900		+		
-100...1500		+		
-100...2400		+		

* vacuum measurement unit : "inHg"

TAB. 4

RANGES	psi*	psi int.*	psi ext.*	psi ext.*
		kPa ext.	Bar int.	kg/cm ² int.
-30...0	+	+	+	+
-30...15	+	+	+	+
-30...30	+	+	+	+
-30...150	+		+	

* vacuum measurement unit : "inHg"

TAB. 5 - FREON triple scales

bar	R12 - °C	R22 - °C	R502 - °C
-1...+9	-70...+40	-80...+20	-70...+20
-1...+15	-60...+60	-60...+40	-60...+35
-1...+24	-50...+80	-60...+60	-60...+55

aluminium case : DS 10" (250mm)

MGS8

RANGES	bar	kg/cm ²	kPa	MPa
0...1	+	+		+
0...1,6	+	+		+
0...2,5	+	+		+
0...4	+	+		+
0...6	+	+		+
0...10	+	+		+
0...16	+	+		+
0...25	+	+		+
0...40	+	+		+
0...60	+	+		+
0...100	+	+	+	+
0...160	+	+	+	+
0...250	+	+	+	+
0...400	+	+	+	
0...600	+	+	+	
0...1000	+	+	+	
0...1600			+	
0...2500			+	

RANGES	psi
0...60	+
0...100	+
0...300	+
0...400	+
0...600	+
0...1000	+
0...1600	+

phenolic case : DS 4.5" (125mm)

MGS12

PRESSURE

TAB. 1

RANGES	bar	kPa	MPa	bar ext.	psi int.
0...0,6	+			+	+
0...1	+			+	+
0...1,6	+			+	+
0...2,5	+			+	+
0...4	+			+	+
0...6	+			+	+
0...10	+			+	+
0...16	+			+	+
0...25	+			+	+
0...40	+			+	+
0...60	+	+		+	+
0...100	+	+		+	+
0...160	+	+		+	+
0...250	+	+		+	+
0...300	+	+		+	+
0...400	+	+		+	+
0...600	+	+		+	+
0...1000	+	+		+	+
0...1600	+	+		+	+
0...2500		+			

TAB. 2

RANGES	psi	psi int.	psi ext.	psi ext.
		kPa ext.	bar int.	kg/cm ² int.
0...15	+	+	+	+
0...30	+	+	+	+
0...60	+	+	+	+
0...100	+	+	+	+
0...160	+	+	+	+
0...200	+	+	+	+
0...300	+	+	+	+
0...400	+	+	+	+
0...600	+	+	+	+
0...1000	+	+	+	+
0...1500	+	+	+	+
0...2000	+	+	+	+
0...3000	+	+	+	+
0...4000	+	+	+	+
0...5000	+	+	+	+
0...6000	+	+	+	+
0...10000	+	+	+	+
0...15000	+	+	+	+
0...20000	+	+	+	+
0...30000 (1)	+	+	+	+

COMPOUND & VACUUM

TAB. 3

RANGES	bar	kPa
-1...0	+	
-1...0,6	+	
-1...1,5	+	
-1...3	+	
-1...5	+	
-1...9	+	
-1...15	+	
-1...24	+	
-100...0		+
-100...150		+
-100...300		+
-100...500		+
-100...900		+
-100...1500		+
-100...2400		+

TAB. 4

RANGES	psi*	psi int.*	psi ext.*	psi ext.*
		kPa ext.	bar int.	kg/cm ² int.
-30...0	+	+	+	+
-30...15	+	+		+
-30...30	+	+		+
-30...150	+			+

* vacuum measurement unit: "inHg"

(1) working pressure: max 75% of FSV
overpressure: 10% of FSV

stainless steel bourdon tube : DS 4" (100mm)

MGS44

PRESSURE

TAB. 1

RANGES	bar (1)	kPa	MPa	bar ext. (1)	bar ext.	bar ext.
				psi int.	kPa int.	MPa int.
0...1	+			+	+	
0...1,6	+			+	+	
0...2,5	+			+	+	
0...4	+			+	+	
0...6	+			+	+	
0...10	+			+		+
0...16	+			+		+
0...25	+			+		+
0...40	+			+		+
0...60	+			+		+
0...100	+	+		+		+
0...160	+	+		+		+
0...250	+	+		+		+
0...300	+					
0...400	+	+		+		+
0...600		+				
0...1000		+				
0...1600		+				
0...2500		+				

TAB. 2

RANGES	psi	psi int.	psi ext.	psi ext.
		kPa ext.	Bar int.	kg/cm ² int.
0...15	+	+	+	+
0...30	+	+	+	+
0...60	+	+	+	+
0...100	+	+	+	+
0...160	+	+	+	+
0...200	+	+	+	+
0...300	+	+	+	+
0...400	+	+	+	+
0...600	+	+	+	+
0...1000	+	+	+	+
0...1500	+	+	+	+
0...2000	+	+	+	+
0...3000	+	+	+	+
0...4000	+	+	+	+
0...6000	+	+	+	+

(1) Available also kg/cm²

anti-vibrations version : DS 2" (50mm)

MGS10

TAB. 1

RANGES	bar	kPa	MPa	bar ext.	bar ext.	bar ext.
				psi int.	kPa int.	MPa int.
0...2,5	+			+	+	
0...4	+			+	+	
0...6	+			+	+	
0...10	+			+		+
0...16	+			+		+
0...25	+			+		+
0...40	+			+		+
0...60	+			+		+
0...100	+			+		+
0...160	+			+		+
0...250	+	+		+		+
0...400	+	+		+		+
0...600		+				
0...1000		+				
0...1600		+				
0...2500		+				

TAB. 2

RANGES	psi int.	psi ext.	psi ext.
	kPa ext.	bar int.	kg/cm ² int.
0...30	+	+	+
0...60	+	+	+
0...100	+	+	+
0...160	+	+	+
0...200	+	+	+
0...300	+	+	+
0...400	+	+	+
0...500	+	+	+
0...600	+	+	+
0...1000	+	+	+
0...1500	+	+	+
0...2000	+	+	+
0...3000	+	+	+
0...4000	+	+	+
0...5000	+	+	+
0...6000	+	+	+

bourdon tube pressure gauges : available ranges

anti-vibrations version : DS 2.5" (63mm)

MGS10

PRESSURE

TAB. 1

RANGES	bar	kPa	MPa	bar ext. psi int.	bar ext. kPa int.	bar ext. MPa int.
0...1	+		+	+	+	
0...1,6	+		+	+	+	
0...2,5	+		+	+	+	
0...4	+		+	+	+	
0...6	+		+	+	+	
0...10	+		+			+
0...16	+		+	+		+
0...25	+		+	+		+
0...40	+		+	+		+
0...60	+		+	+		+
0...100	+	+		+		+
0...160	+	+		+		+
0...250	+	+		+		+
0...300	+			+		
0...400	+	+		+		+
0...600	+	+		+		+
0...1000		+				
0...1600		+				
0...2500		+				

TAB. 2

RANGES	psi	psi int. kPa ext.	psi ext. bar int.	psi ext. kg/cm ² int.
0...15	+	+	+	+
0...30	+	+	+	+
0...60	+	+	+	+
0...100	+	+	+	+
0...160	+	+	+	+
0...200	+	+	+	+
0...300	+	+	+	+
0...400	+	+	+	+
0...500	+	+	+	+
0...600	+	+	+	+
0...1000	+	+	+	+
0...1500	+	+	+	+
0...2000	+	+	+	+
0...3000	+	+	+	+
0...4000	+	+	+	+
0...5000	+	+	+	+
0...6000	+	+	+	+
0...10000	+	+	+	+

COMPOUND & VACUUM

TAB. 3

RANGES	bar	kPa	bar ext. psi int.	bar ext. kPa int.
-1...0	+		+	+
-1...0,6	+		+	+
-1...1,5	+		+	+
-1...3	+		+	+
-1...5	+		+	+
-1...9	+		+	+
-1...15	+		+	+
-1...24	+		+	+
-100...0		+		
-100...150		+		
-100...300		+		
-100...500		+		
-100...900		+		
-100...1500		+		

* vacuum measurement unit: "inHg"

TAB. 4

RANGES	* psi	* psi int. kPa ext.	* psi ext. bar int.	* psi ext. kg/cm ² int.
-30...0	+	+	+	+
-30...15	+	+	+	+
-30...30	+	+	+	+
-30...150	+		+	

* vacuum measurement unit: "inHg"

TAB. 5 - Freon scales

bar	R12 - °C	R22 - °C	R502 - °C
-1...+9	-70...+40	-80...+20	-70...+20
-1...+15	-60...+60	-60...+40	-60...+35
-1...+24	-50...+80	-60...+60	-60...+55
-1...+32			

Are available single, double and multiple scales for gases R134a, R404a, R507, R22, R407c. For further informations pls. contact our Sales Department.

anti-vibrations version : DS 4" (100mm)

MGS10

PRESSURE

TAB. 1

RANGES	bar (1)	kPa	MPa	bar ext. (1) psi int.	bar ext. kPa int.	bar ext. MPa int.
0...1	+		+	+	+	
0...1,6	+		+	+	+	
0...2,5	+		+	+	+	
0...4	+		+	+	+	
0...6	+		+	+	+	
0...10	+		+	+		+
0...16	+		+	+		+
0...25	+		+	+		+
0...40	+		+	+		+
0...60	+		+	+		+
0...100	+	+		+		+
0...160	+	+		+		+
0...250	+	+		+		+
0...300	+			+		
0...400	+	+		+		+
0...600	+	+		+		+
0...1000	+	+		+		+
0...1600		+				
0...2500		+				

(1) Available also kg/cm²

TAB. 2

RANGES	psi	psi int. kPa ext.	psi ext. bar int.	psi ext. kg/cm ² int.
0...15	+	+	+	+
0...30	+	+	+	+
0...60	+	+	+	+
0...100	+	+	+	+
0...160	+	+	+	+
0...200	+	+	+	+
0...300	+	+	+	+
0...400	+	+	+	+
0...600	+	+	+	+
0...800	+	+	+	+
0...1000	+	+	+	+
0...1500	+	+	+	+
0...2000	+	+	+	+
0...3000	+	+	+	+
0...4000	+	+	+	+
0...5000	+	+	+	+
0...6000	+	+	+	+
0...10000	+	+	+	+
0...15000	+	+	+	+

COMPOUND & VACUUM

TAB. 3

RANGES	bar	kPa	bar ext. psi int.*	bar ext. kPa int.
-1...0	+		+	+
-1...0,6	+		+	+
-1...1,5	+		+	+
-1...3	+		+	+
-1...5	+		+	+
-1...9	+		+	+
-1...15	+		+	+
-1...24	+		+	+
-100...0		+		
-100...150		+		
-100...300		+		
-100...500		+		
-100...900		+		
-100...1500		+		
-100...2400		+		

* vacuum measurement unit: "inHg"

TAB. 4

RANGES	psi*	psi int.* kPa ext.	psi ext.* bar int.	psi ext.* kg/cm ² int.
-30...0	+	+	+	+
-30...15	+	+	+	+
-30...30	+	+	+	+
-30...150	+		+	

* vacuum measurement unit: "inHg"

TAB. 5 - FREON triple scales

bar	R12 - °C	R22 - °C	R502 - °C
-1...+9	-70...+40	-80...+20	-70...+20
-1...+15	-60...+60	-60...+40	-60...+35
-1...+24	-50...+80	-60...+60	-60...+55

all stainless steel construction : DS 1.5", 2" (40-50mm)

MGS18

TAB. 1

RANGES	bar	kPa	MPa	bar ext. psi int.	bar ext. kPa int.	bar ext. MPa int.
0...2,5	AB		AB	AB	AB	
0...4	AB		AB	AB	AB	
0...6	AB			AB	AB	
0...10	AB			AB		AB
0...16	AB			AB		AB
0...25	AB			AB		AB
0...40	AB			AB		AB
0...250		AB				
0...400		AB				
0...600		AB				
0...1000		AB				
0...1600		AB				
0...2500		AB				

TAB. 2

RANGES	psi int. kPa ext.	psi ext. bar int.	psi ext. kg/cm ² int.
0...30	AB	AB	AB
0...60	AB	AB	AB
0...100	AB	AB	AB
0...160	AB	AB	AB
0...200	AB	AB	AB
0...300	AB	AB	AB
0...400	AB	AB	AB
0...500	AB	AB	AB
0...600	AB	AB	AB

"A" = DS 1.5" (40mm); "B" = DS 2" (50mm).

bourdon tube pressure gauges : available ranges

with microswitch electric contact : DS 4" (100mm)

MGS72-74

PRESSURE

TAB. 1

Ranges	bar (1)	kPa	MPa	bar ext. (1)	bar ext.	bar ext.
				psi int.	kPa int.	MPa int.
0...1	+		+	+	+	
0...1,6	+		+	+	+	
0...2,5	+		+	+	+	
0...4	+		+	+	+	
0...6	+		+	+	+	
0...10	+		+	+		+
0...16	+		+	+		+
0...25	+		+	+		+
0...40	+		+	+		+
0...60	+		+	+		+
0...100	+	+		+		+
0...160	+	+		+		+
0...250	+	+		+		+
0...300	+					
0...400	+	+		+		+
0...600	+	+		+		+
0...1000		+				
0...1600		+				
0...2500		+				

(1) Available also kg/cm²

TAB. 2

Ranges	psi	psi int.	psi ext.	psi ext.
		kPa ext.	bar int.	kg/cm ² int.
0...15	+	+	+	+
0...30	+	+	+	+
0...60	+	+	+	+
0...100	+	+	+	+
0...160	+	+	+	+
0...200	+	+	+	+
0...300	+	+	+	+
0...400	+	+	+	+
0...600	+	+	+	+
0...800	+	+	+	+
0...1000	+	+	+	+
0...1500	+	+	+	+
0...2000	+	+	+	+
0...3000	+	+	+	+
0...4000	+	+	+	+
0...5000	+	+	+	+
0...6000	+	+	+	+
0...10000	+	+	+	+

VACUUM & COMPOUND

TAB. 3

Ranges	bar	kPa	bar ext.	bar ext.
			psi int.*	kPa int.
-1...0	+		+	+
-1...0,6	+		+	+
-1...1,5	+		+	+
-1...3	+		+	+
-1...5	+		+	+
-1...9	+		+	+
-1...15	+		+	+
-1...24	+		+	+
-100...0		+		
-100...150		+		
-100...300		+		
-100...500		+		
-100...900		+		
-100...1500		+		
-100...2400		+		

* vacuum unit of measurement: "inHg"

TAB. 4

Ranges	psi*	psi int.*	psi ext.*	psi ext.*
		kPa ext.	bar int.	kg/cm ² int.
-30...0	+	+	+	+
-30...15	+	+	+	+

* vacuum unit of measurement: "inHg"

MCE10-18

with electric, inductive or electronic contact : DS 4" (100 mm)

MCE20

with electric, inductive or electronic contact : DS 6" (150 mm)

TAB. 1

Ranges	bar	Kg/cm ²	kPa	MPa
0...1	+	+		+
0...1,6	+	+		+
0...2,5	+	+		+
0...4	+	+		+
0...6	+	+		+
0...10	+	+		+
0...16	+	+		+
0...25	+	+		+
0...40	+	+		+
0...60	+	+		+
0...100	+	+	+	+
0...160	+	+	+	+
0...250	+	+	+	
0...400	+	+	+	
0...600	+	+	+	
0...1000	+	+	+	
0...1600 (1)	+	+	+	

(1) Available only for MCE18

TAB. 2

Ranges	psi
0...15 (1)	+
0...30	+
0...60	+
0...100	+
0...160	+
0...200	+
0...300	+
0...400	+
0...600	+
0...1000	+
0...1500	+
0...2000	+
0...3000	+
0...4000	+
0...5000	+
0...6000	+
0...10000	+
0...15000	+
0...20000 (1)	+

TAB. 1

Ranges	bar	Kg/cm ²	kPa	MPa
0...1	+	+		+
0...1,6	+	+		+
0...2,5	+	+		+
0...4	+	+		+
0...6	+	+		+
0...10	+	+		+
0...16	+	+		+
0...25	+	+		+
0...40	+	+		+
0...60	+	+		+
0...100	+	+	+	+
0...160	+	+	+	+
0...250	+	+	+	
0...400	+	+	+	
0...600	+	+	+	
0...1000	+	+	+	
0...1600	+	+	+	

TAB. 2

Ranges	psi
0...15	+
0...30	+
0...60	+
0...100	+
0...160	+
0...200	+
0...300	+
0...400	+
0...500	+
0...600	+
0...1000	+
0...1500	+
0...2000	+
0...3000	+
0...4000	+
0...5000	+
0...6000	+
0...10000	+
0...15000	+
0...20000	+