

Pressure gauges - vertical

Housing	Connection



TIP Tips for selection of the right pressure gauge are found on page 380

Housing	Connection	Window



Housing	Connection	Window



Housing	Connection	Window



Order example: MS - 1100 ES **

Standard type

Designation for the options:
NPT thread -NPT

Pressure gauges vertical Ø 40 mm, Ø 50 mm stainless steel

Class 2.5

Materials: Housing: AISI 304, measuring system and connection: AISI 316Ti, window: Polycarbonate

Connection thread: G 1/8" or G 1/4"

Class: 2.5

Temperature range: Environment: -40°C to max. +60°C, measured material: Max. +100°C

Dial: 1. scale outside (black), display in bar, 2. scale inside (red), display in PSI

Protection class: IP 54

Type	Type	Type	Scale graduation	Display range
Ø 40 / G 1/8"	Ø 40 / G 1/4"	Ø 50 / G 1/4"		
MS -140 ES	MS -144 ES	MS -150 ES	0.05 <i>for vacuum</i>	-1/0 bar
MS 140 ES	MS 144 ES	MS 150 ES	0.05	0/1 bar
MS 1,640 ES	MS 1,644 ES	MS 1,650 ES	0.05	0/1.6 bar
MS 2,540 ES	MS 2,544 ES	MS 2,550 ES	0.1	0/2.5 bar
MS 440 ES	MS 444 ES	MS 450 ES	0.2	0/4 bar
MS 640 ES	MS 644 ES	MS 650 ES	0.2	0/6 bar
MS 1040 ES	MS 1044 ES	MS 1050 ES	0.5	0/10 bar
MS 1640 ES	MS 1644 ES	MS 1650 ES	0.5	0/16 bar
MS 2540 ES	MS 2544 ES	MS 2550 ES	1.0	0/25 bar
MS 4040 ES	MS 4044 ES	MS 4050 ES	2.0	0/40 bar
MS 6040 ES	MS 6044 ES	MS 6050 ES	2.0	0/60 bar
MS 10040 ES	MS 10044 ES	MS 10050 ES	5.0	0/100 bar

* with centring pin for profiled seal

Pressure gauges vertical Ø 63 mm, Chemical Version

Class 1.6

Materials: Housing: AISI 304, measuring system and connection: AISI 316L, window: Laminated safety glass

Connection thread: G 1/4"

Class: 1.6

Temperature range: Environment: -40°C to max. +60°C, measured material: Max. +200°C

Protection class: IP 65

Type	Scale graduation	Display range	Type	Scale graduation	Display range
MS -163 ES	0.05 <i>for vacuum</i>	-1/0 bar	MS 1663 ES	0.5	0/16 bar
MS -1563 ES	0.2 <i>for vacuum</i>	-1/5 bar	MS 2563 ES	1	0/25 bar
MS 1,663 ES	0.05	0/1.6 bar	MS 4063 ES	2	0/40 bar
MS 2,563 ES	0.1	0/2.5 bar	MS 6063 ES	2	0/60 bar
MS 463 ES	0.2	0/4 bar	MS 10063 ES	5	0/100 bar
MS 663 ES	0.2	0/6 bar	MS 25063 ES	10	0/250 bar
MS 1063 ES	0.5	0/10 bar	MS 40063 ES	20	0/400 bar

* with centring pin for profiled seal

Safety pressure gauges vertical Ø 63 mm

Class 1.6

Suitable: Pressure gauge for extra safety in line with S 3 EN 837-1 (DIN 16006) with blow-out back and unbreakable baffle wall

Materials: Housing: AISI 304, measuring system and connection: AISI 316L, window: Laminated safety glass

Connection thread: G 1/4"

Class: 1.6

Temperature range: Environment: -40°C to max. +60°C, measured material: Max. +200°C

Protection class: IP 65

Type	Scale graduation	Display range	Type	Scale graduation	Display range
MSS -163 ES	0.05 <i>for vacuum</i>	-1/0 bar	MSS 2563 ES	1	0/25 bar
MSS 163 ES	0.05	0/1 bar	MSS 4063 ES	2	0/40 bar
MSS 1,663 ES	0.05	0/1.6 bar	MSS 6063 ES	2	0/60 bar
MSS 2,563 ES	0.1	0/2.5 bar	MSS 10063 ES	5	0/100 bar
MSS 463 ES	0.2	0/4 bar	MSS 16063 ES	5	0/160 bar
MSS 663 ES	0.2	0/6 bar	MSS 25063 ES	10	0/250 bar
MSS 1063 ES	0.5	0/10 bar	MSS 40063 ES	20	0/400 bar
MSS 1663 ES	0.5	0/16 bar	MSS 60063 ES	20	0/600 bar

* with centring pin for profiled seal

Pressure gauges vertical Ø 100 mm, Chemical Version

Class 1.0

Materials: Housing: AISI 304, measuring system and connection: AISI 316L, window: Laminated safety glass

Connection thread: G 1/2"

Class: 1.0

Temperature range: Environment: -40°C to max. +60°C, measured material: Max. +200°C

Protection class: IP 65

Optional: Connection 1/2" NPT thread -NPT

Type	Scale graduation	Display range	Type	Scale graduation	Display range
MS -1100 ES	0.02 <i>for vacuum</i>	-1/0 bar	MS 6100 ES	0.1	0/6 bar
MS -106100 ES	0.05 <i>for vacuum</i>	-1/+0.6 bar	MS 10100 ES	0.2	0/10 bar
MS -11,5100 ES	0.05 <i>for vacuum</i>	-1/+1.5 bar	MS 16100 ES	0.5	0/16 bar
MS -13100 ES	0.1 <i>for vacuum</i>	-1/+3 bar	MS 25100 ES	0.5	0/25 bar
MS -15100 ES	0.1 <i>for vacuum</i>	-1/+5 bar	MS 40100 ES	1	0/40 bar
MS -19100 ES	0.2 <i>for vacuum</i>	-1/+9 bar	MS 60100 ES	1	0/60 bar
MS -115100 ES	0.5 <i>for vacuum</i>	-1/+15 bar	MS 100100 ES	2	0/100 bar
MS 06100 ES	0.01	0/0.6 bar	MS 160100 ES	5	0/160 bar
MS 1100 ES	0.02	0/1 bar	MS 250100 ES	5	0/250 bar
MS 1,6100 ES	0.05	0/1.6 bar	MS 400100 ES	10	0/400 bar
MS 2,5100 ES	0.05	0/2.5 bar	MS 600100 ES	10	0/600 bar
MS 4100 ES	0.1	0/4 bar	MS 1000100 ES	20	0/1000 bar

All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.