

Pressure Gauge

GA, GB, GC Series



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All Stainless Steel Pressure Gauge

GA Series

GA series pressure gauge with crimped ring case is designed to perform in rugged applications and harsh environmental conditions. These gauges offer a significant cushioning and dampening effect. Emersion of the entire measuring assembly in a protective liquid envelope provides lubrication and shuts out corrosive or dirty atmospheres, therefore minimizing wear of moving parts and prolonging gauge life significantly.

Features

- 63 mm and 100 mm dial sizes are available.
- The accuracy is according to ASME B40.1, EN 837-1, JIS B7505.
- Hermetically sealed construction.
- High pressure measurement up to 100 MPa.
- Tube adapter align the dial to the desired position.
- Lower Mount, Center-Back Mount and Lower-Back Mount are provided.
- Design is liquid fillable.

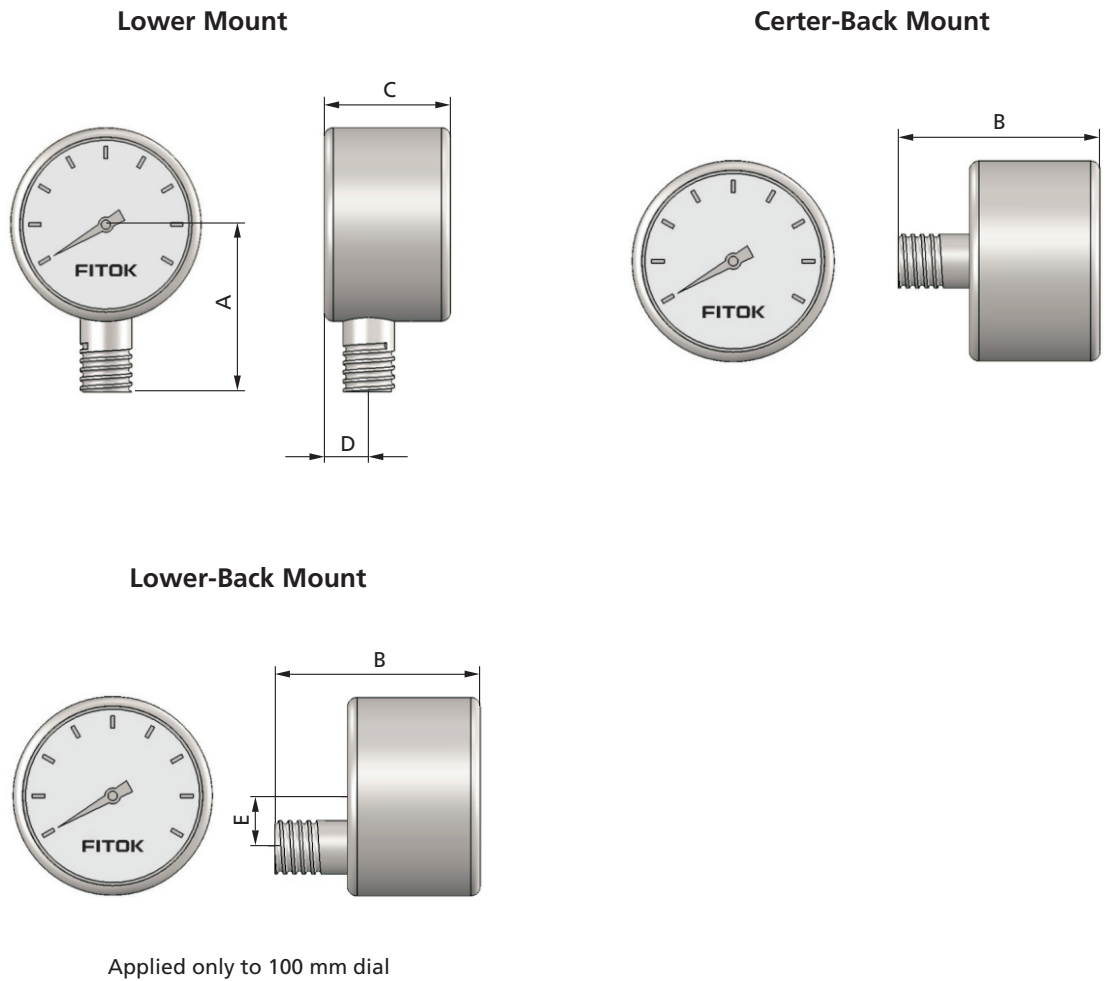
Technical Data

- Accuracy
 - 63: ±2.5%
 - 100: ±1.5%
- Ranges
 - Compound Gauges: Vacuum to 1.5 Mpa
 - Positive-Pressure Gauges: 0 to 100 MPa
- End Connections
 - 63 mm dial:
 - 14x1.5 Male Metric Thread
 - 1/4" Male NPT
 - 1/4", 3/8", 6 mm, 10 mm tube adapter
 - 100 mm dial:
 - 20x1.5 Male Metric Thread
 - 1/4", 1/2" Male NPT
 - 1/2", 12 mm tube adapter
- Ambient Temperature
 - Unfilled: -40 to 60°C (-40 to 140°F)
 - Glycerin-filled: -20 to 60°C (-4 to 140°F)
 - Silicone-filled: -40 to 60°C (-40 to 140°F)
- Degree of protection: IP65

Materials and Construction

Component	Material
End connection	316 SS
Case	304 SS
Bourdon Tube	316 SS
Dial	Aluminum
Pointer	Aluminum
Lens	Instrument plain glass, laminated safty glass ororganic glass
Lens gasket	Buna N
Filled liquid	Glycerin or Silicone

Mount and Dimensions



Dial Size mm (in.)	End Connection		Dimensions, in.(mm)					
	Size	Type	A	B	C	D	E	
63 (2 1/2)	14x1.5	Male Metric Thread	2.24 (57)	2.13 (54)	1.30 (33)	0.39 (10)	—	
	1/4 in.	Tube Adapter	2.24 (57)	2.13 (54)				
		Male NPT	2.09 (53)	2.24 (57)				
	3/8 in.	Tube Adapter	2.32 (59)	2.17 (55)				
	6 mm		2.24 (57)	2.13 (54)				
	10 mm		2.32 (59)	2.17 (55)				
100 (4)	20x1.5	Male Metric Thread	3.43 (87)	3.27 (83)	1.97 (50)	0.63 (16)	1.18 (30)	
	1/4 in.	Male NPT	3.15 (80)	3.27 (83)				
	1/2 in.	Tube Adapter	3.58 (91)	3.11 (79)				
		Male NPT	3.43 (87)	3.27 (83)				
	12 mm	Tube Adapter	3.58 (91)	3.11 (79)				

Table of ranges

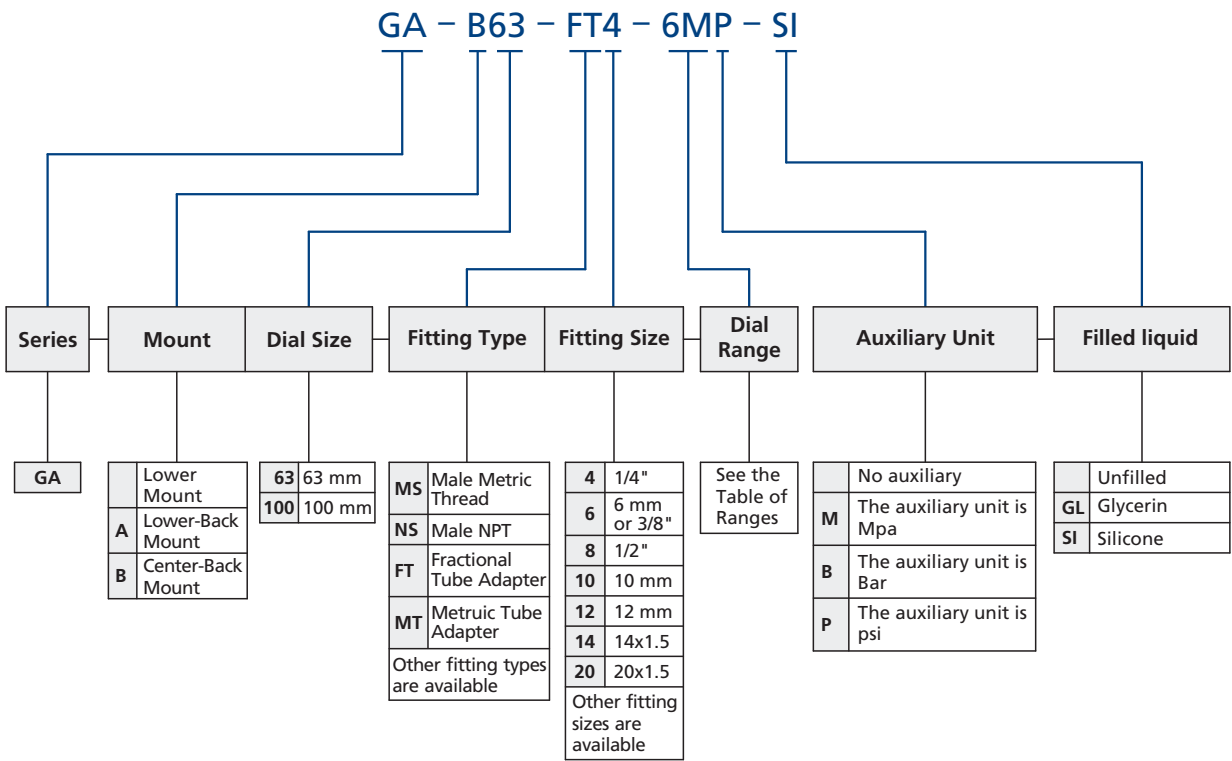
Dial Range, MPa		
Min	Max	Designator
Vacuum -0.1MPa	0	V0M
	0.06	V0.06M
	0.15	V0.15M
	0.3	V0.3M
	0.5	V0.5M
	0.9	V0.9M
	1.5	V1.5M
0	0.1	0.1M
	0.16	0.16M
	0.25	0.25M
	0.4	0.4M
	0.6	0.6M
	1	1M
	1.6	1.6M
	2.5	2.5M
	4	4M
	6	6M
	10	10M
	16	16M
	25	25M
	40	40M
	60	60M
	100	100M

Dial Range, bar		
Min	Max	Designator
Vacuum -1 bar	0	V0B
	0.6	V0.6B
	1.5	V1.5B
	3	V3B
	5	V5B
	9	V9B
	15	15B
0	1	1B
	1.6	1.6B
	2.5	2.5B
	4	4B
	6	6B
	10	10B
	16	16B
	25	25B
	40	40B
	60	60B
	100	100B
	160	160B
	250	250B
	400	400B
	600	600B
	1000	1000B

Dial Range, psi		
Min	Max	Designator
Vacuum -0.30 in.Hg	0	V0P
	15	V15P
	30	V30P
	60	V60P
	100	V100P
	160	V160P
	200	V200P
0	15	15P
	30	30P
	60	60P
	100	100P
	160	160P
	200	200P
	300	300P
	400	400P
	600	600P
	800	800P
	1000	1000P
	1500	1500P
	2000	2000P
	3000	3000P
	5000	5000P
	6000	6000P
	10000	10000P
	15000	15000P

Note: The maximum pressure value may be restricted to the end connection

Ordering Information



Solid-Front Stainless Steel Safety Gauge

GB Series

GB series pressure gauge with laminated glass is applied to the strong corrosion occasion. It should be used to measure the pressure of the corrosion, non-viscosity and non-cristal gas and liquid.

Features

- 63 mm and 100 mm dial sizes are available.
- The accuracy is according to ASME B40.1, EN 837-1, JIS B7505.
- Solid front and blowout back for serere service.
- High pressure measurement up to 100 MPa.
- Tube adapter align the dial to the desired position.
- Lower Mount and Center-Back Mount are provided.
- Design is liquid fillable.

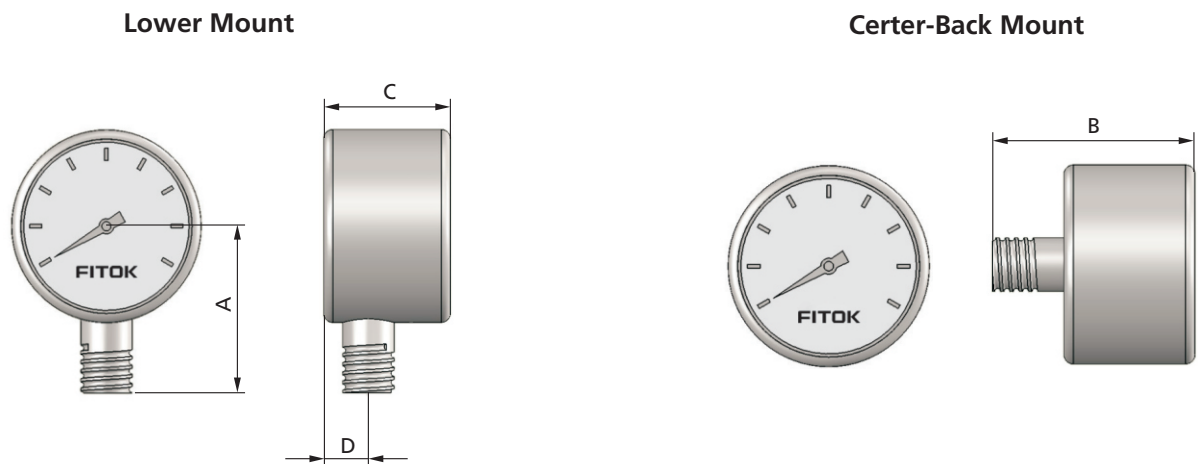
Technical Data

- Accuracy
 - 63: ±2.5%
 - 100: ±1.5%
- Ranges
 - Compound Gauges: Vacuum to 1.5MPa
 - Positive-Pressure Gauges: 0 to 100MPa
- End Connections
 - 63mm dial:
 - 14x1.5 Male Metric Thread
 - 1/4" Male NPT
 - 1/4", 3/8", 6 mm, 10 mm tube adapter
 - 100 mm dial:
 - 20x1.5 Male Metric Thread
 - 1/4", 1/2" Male NPT
 - 1/2", 12 mm tube adapter
- Ambient Temperature
 - Unfilled: -40 to 60°C (-40 to 140°F)
 - Glycerin-filled: -20 to 60°C (-4 to 140°F)
 - Silicone-filled: -40 to 60°C (-40 to 140°F)
- Degree of protection: IP65

Materials and Construction

Component	Material
End connection	316 SS
Case	304 SS
Bourdon Tube	316 SS
Dial	Aluminum
Pointer	Aluminum
Lens	laminated safty glass
Filled liquid	Glycerin or Silicone

Mount and Dimensions



Dial Size mm (in.)	End Connection		Dimensions, in.(mm)			
	Size	Type	A	B	C	D
63 (2 1/2)	14x1.5	Male Metric Thread	2.24 (57)	2.48 (63)	1.65 (42)	0.71 (18)
	1/4 in.	Tube Adapter	2.24 (57)			
		Male NPT	2.13 (54)			
	3/8 in.	Tube Adapter	2.32 (59)			
	6 mm		2.24 (57)			
	10 mm		2.32 (59)			
100 (4)	20x1.5	Male Metric Thread	3.43 (87)	3.66 (93)	2.28 (58)	0.94 (24)
	1/4 in.	Male NPT	3.15 (80)	3.66 (93)		
	1/2 in.	Tube Adapter	3.58 (91)	3.50 (89)		
		Male NPT	3.43 (87)	3.66 (93)		
	12 mm	Tube Adapter	3.58 (91)	3.50 (89)		

Table of ranges

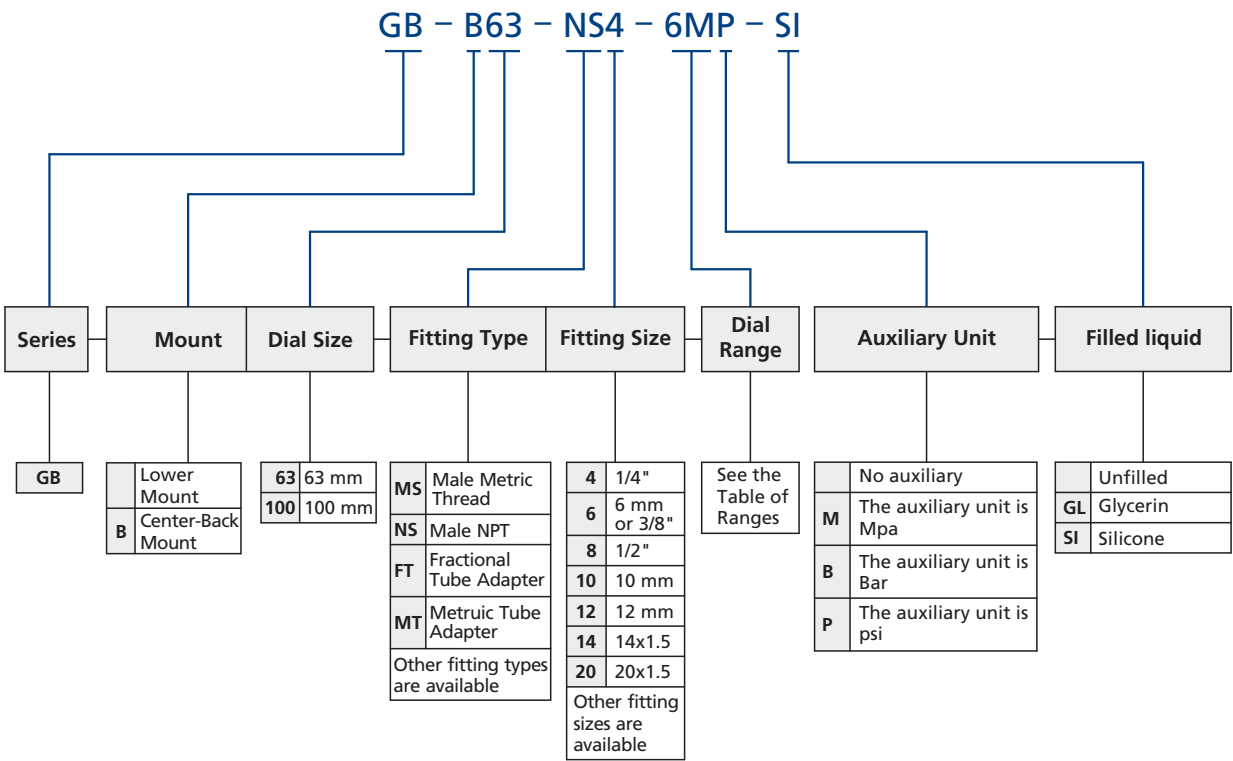
Dial Range, MPa		
Min	Max	Designator
Vacuum -0.1MPa	0	V0M
	0.06	V0.06M
	0.15	V0.15M
	0.3	V0.3M
	0.5	V0.5M
	0.9	V0.9M
	1.5	V1.5M
0	0.1	0.1M
	0.16	0.16M
	0.25	0.5M
	0.4	0.4M
	0.6	0.6M
	1	1M
	1.6	1.6M
	2.5	2.5M
	4	4M
	6	6M
	10	10M
	16	16M
	25	25M
	40	40M
	60	60M
	100	100M

Dial Range, bar		
Min	Max	Designator
Vacuum -1 bar	0	V0B
	0.6	V0.6B
	1.5	V1.5B
	3	V3B
	5	V5B
	9	V9B
	15	15B
0	1	1B
	1.6	1.6B
	2.5	2.5B
	4	4B
	6	6B
	10	10B
	16	16B
	25	25B
	40	40B
	60	60B
	100	100B
	160	160B
	250	250B
	400	400B
	600	600B
	1000	1000B

Dial Range, psi		
Min	Max	Designator
Vacuum -0.30 in.Hg	0	V0P
	15	V15P
	30	V30P
	60	V60P
	100	V100P
	160	V160P
	200	V200P
0	15	15P
	30	30P
	60	60P
	100	100P
	160	160P
	200	200P
	300	300P
	400	400P
	600	600P
	800	800P
	1000	1000P
	1500	1500P
	2000	2000P
	3000	3000P
	5000	5000P
	6000	6000P
	10000	10000P
	15000	15000P

Note: The maximum pressure value may be restricted to the end connection

Ordering Information



Stainless Steel Miniature Gauge

GC Series

GC series pressure gauge with miniature size allows placement in compact spaces.

Features

- 40 mm and 50 mm dial sizes are available.
- The accuracy is according to ASME B40.1, EN 837-1, JIS B7505.
- High pressure measurement up to 25 MPa.
- Tube adapter align the dial to the desired position.
- Lower Mount and Center-Back Mount are provided.

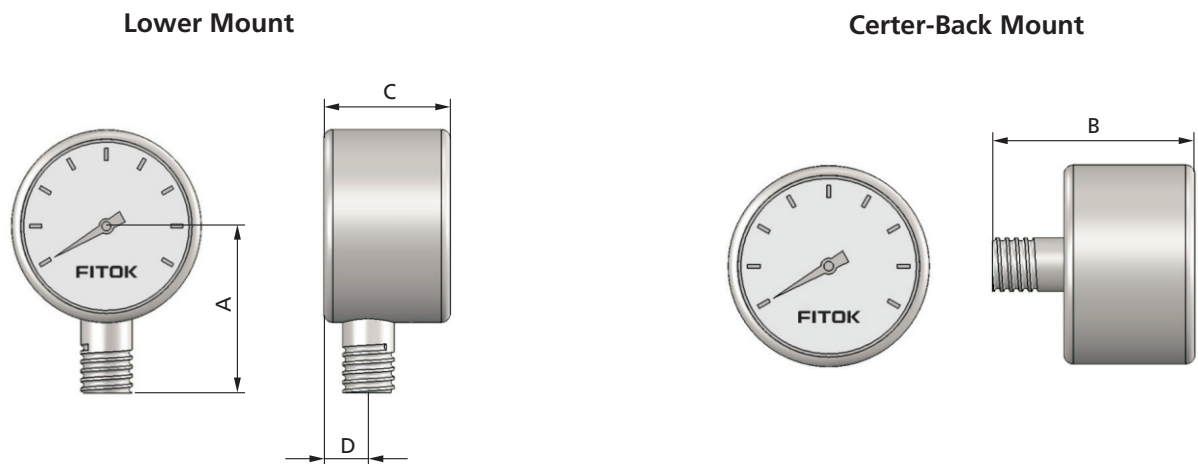
Technical Data

- Accuracy: ±2.5%
- Ranges: Compound Gauges: Vacuum to 1.5 MPa; Positive-Pressure Gauges: 0 to 25 MPa
- End Connections: 40 mm dial: 10x1 Male Metric Thread, 1/8" Male NPT, 1/4", 6 mm tube adapter; 50 mm dial: 10x1, 14x1.5 Male Metric Thread, 1/4" Male NPT, 1/4", 3/8", 6 mm, 10 mm tube adapter
- Ambient Temperature: Unfilled: -40 to 60°C (-40 to 140°F)
- Degree of protection: IP65

Materials and Construction

Component	Material
End connection	316 SS
Case	304 SS
Bourdon Tube	316 SS
Dial	Aluminum
Pointer	Aluminum

Mount and Dimensions



Dial Size mm (in.)	End Connection		Dimensions, in.(mm)			
	Size	Type	A	B	C	D
40 (1 1/2)	10x1	Male Metric Thread	1.65 (42)	2.09 (53)	0.98 (25)	0.35 (9)
	1/8 in.	Male NPT	1.54 (39)			
	1/4 in.	Tube Adapter	2.24 (57)			
	6 mm		2.24 (57)			
50 (2)	14x1.5	Male Metric Thread	1.85 (47)	2.13 (54)	1.06 (27)	0.39 (10)
	1/4 in.	Tube Adapter	2.24 (57)	2.09 (53)		
		Male NPT	1.85 (47)	2.13 (54)		
	3/8 in.	Tube Adapter	2.32 (59)	2.17 (55)		
	6 mm		2.24 (57)	2.09 (53)		
	10 mm		2.32 (59)	2.17 (55)		

Table of ranges

Dial Range, MPa		
Min	Max	Designator
Vacuum -0.1MPa	0	V0M
	0.06	V0.06M
	0.15	V0.15M
	0.3	V0.3M
	0.5	V0.5M
	0.9	V0.9M
	1.5	V1.5M
0	0.1	0.1M
	0.16	0.16M
	0.25	0.25M
	0.4	0.4M
	0.6	0.6M
	1	1M
	1.6	1.6M
	2.5	2.5M
	4	4M
	6	6M
	10	10M
	16	16M
	25	25M

Dial Range, psi		
Min	Max	Designator
Vacuum -0.30 in.Hg	0	V0P
	15	V15P
	30	V30P
	60	V60P
	100	V100P
	160	V160P
	200	V200P
0	15	15P
	30	30P
	60	60P
	100	100P
	160	160P
	200	200P
	300	300P
	400	400P
	600	600P
	800	800P
	1000	1000P
	1500	1500P
	2000	2000P
	3000	3000P
	5000	5000P

Note: The maximum pressure value may be restricted to the end connection

Dial Range, bar		
Min	Max	Designator
Vacuum -1 bar	0	V0B
	0.6	V0.6B
	1.5	V1.5B
	3	V3B
	5	V5B
	9	V9B
	15	15B
0	1	1B
	1.6	1.6B
	2.5	2.5B
	4	4B
	6	6B
	10	10B
	16	16B
	25	25B
	40	40B
	60	60B
	100	100B
	160	160B
	250	250B

Ordering Information

