

Pressure gauges are designated for measuring pressure of gaseous and liquid media that are not highly viscous and do not crystallize. They are suitable for aggressive environments in food, pharmaceutical, chemical, petrochemical and process industry. It is recommended to use glycerine/silicon oil filled gauges with damper in the applications where vibrations and pulse loads exist.

For pressure measuring in processes with fluids of high viscosity, dirty fluids or aseptic measures are required the use of membrane separators is recommended.

FEATURES:

Accuracy:

Class: $\pm 1\%$ to EN 837-1

Ambient temperature: -25/70°C

Medium temperature: max 200°C (max 65°C filled)

Operating pressure: max 75% of a range

Overpressure: 25% of a range

Connection: AISI 316 TI

Sensitive element:

AISI 316 TI burdon tube for ranges <60 bar

AISI 316 TI spiral tube for ranges >60 bar

Case: AISI 304 inox

Ring: AISI 304 inox

Mechanism: AISI 304 inox

Window: glass 3 mm

Gasket: EPDM or silicone

Dial: white painted aluminium with black printing

Pointer: aluminium, black painted

OPTIONS:

Filled gauge

Pointer: micro adjustable
maximum pressure

filling: -15/+65°C glycerine
-40/+65°C silicone oil

Damper: hole 0,2, 0,3 or 0,5mm

Glass: safety

ACCESSORIES:

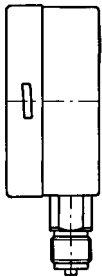
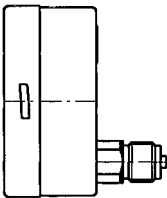
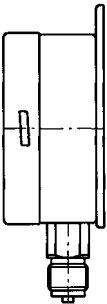
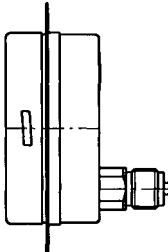
Membrane separators / diaphragm seals

Gauge valves

U tubes

O tubes

VERSIONS

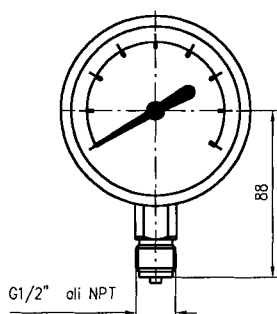
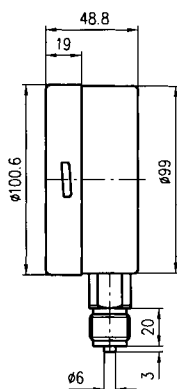
Y \ X								
	DRY	FILLED	DRY	FILLED	DRY	FILLED	DRY	FILLED
0...1	821A10/y	821D10/y	821B10/y	821F10/y	821C10/y	821G10/y	821E10/y	821H10/y
0 ... 1,6	821A0/y	821D0/y	821B0/y	821F0/y	821C0/y	821G0/y	821E0/y	821H0/y
0... 2,5	821A1/y	821D1/y	821B1/y	821F1/y	821C1/y	821G1/y	821E1/y	821H1/y
0...4	821A2/y	821D2/y	821B2/y	821F2/y	821C2/y	821G2/y	821E2/y	821H2/y
0...6	821A3/y	821D3/y	821B3/y	821F3/y	821C3/y	821G3/y	821E3/y	821H3/y
0...0,6	821A14/y	821D14/y	821B14/y	821F14/y	821C14/y	821G14/y	821E14/y	821H14/y
0 ... 10	821A4/y	821D4/y	821B4/y	821F4/y	821C4/y	821G4/y	821E4/y	821H4/y
0...16	821A5/y	821D5/y	821B5/y	821F5/y	821C5/y	821G5/y	821E5/y	821H5/y
0 ... 25	821A6/y	821D6/y	821B6/y	821F6/y	821C6/y	821G6/y	821E6/y	821H6/y
0 ... 40	821A7/y	821D7/y	821B7/y	821F7/y	821C7/y	821G7/y	821E7/y	821H7/y
0 ... 60	821A8/y	821D8/y	821B8/y	821F8/y	821C8/y	821G8/y	821E8/y	821H8/y
0... 100	821A9/y	821D9/y	821B9/y	821F9/y	821C9/y	821G9/y	821E9/y	821H9/y
0...160	821A11/y	821D11/y	821B11/y	821F11/y	821C11/y	821G11/y	821E11/y	821H11/y
0...250	821A12/y	821D12/y	821B12/y	821F12/y	821C12/y	821G12/y	821E12/y	821H12/y
0...400	821A13/y	821D13/y	821B13/y	821F13/y	821C13/y	821G13/y	821E13/y	821H13/y
-0,6...0	821A14/Vy	821D14/Vy	821B14/Vy	821F14/Vy	821C14/Vy	821G14/Vy	821E14/Vy	821H14/Vy
-1 ... 0	821A10/Vy	821D10/Vy	821B10/Vy	821F10/Vy	821C10/Vy	821G10/Vy	821E10/Vy	821H10/Vy
-1 ... +0,6	821A0/Vy	821D0/Vy	821B0/Vy	821F0/Vy	821C0/Vy	821G0/Vy	821E0/Vy	821H0/Vy
-1 ... +1,5	821A1/Vy	821D1/Vy	821B1/Vy	821F1/Vy	821C1/Vy	821G1/Vy	821E1/Vy	821H1/Vy
-1 ... +3	821A2/Vy	821D2/Vy	821B2/Vy	821F2/Vy	821C2/Vy	821G2/Vy	821E2/Vy	821H2/Vy
-1 ... +5	821A3/Vy	821D3/Vy	821B3/Vy	821F3/Vy	821C3/Vy	821G3/Vy	821E3/Vy	821H3/Vy
-1 ... +9	821A4/Vy	821D4/Vy	821B4/Vy	821F4/Vy	821C4/Vy	821G4/Vy	821E4/Vy	821H4/Vy
-1 ... +15	821A5/Vy	821D5/Vy	821B5/Vy	821F5/Vy	821C5/Vy	821G5/Vy	821E5/Vy	821H5/Vy
-1 ... +24	821A6/Vy	821D6/Vy	821B6/Vy	821F6/Vy	821C6/Vy	821G6/Vy	821E6/Vy	821H6/Vy
-1 ... +39	821A7/Vy	821D7/Vy	821B7/Vy	821F7/Vy	821C7/Vy	821G7/Vy	821E7/Vy	821H7/Vy

RANGES IN BARS AND THE SCALE RESOLUTION

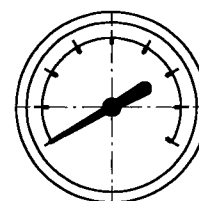
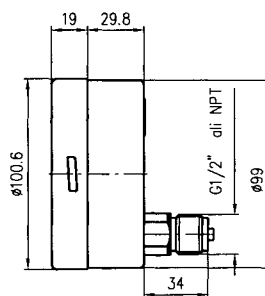
Code	14	10	0	1	2	3	4	5	6	7	8	9	11	12	13
Range (bar)	0...0,6	0...1	0...1,6	0...2,5	0...4	0...6	0...10	0...16	0...25	0...40	0...60	0...100	0...160	0...250	0...400
Vacuum range (bar)	-0,6...0	-1...0	-1...+0,6	-1...+1,5	-1...+3	-1...+5	-1...+9	-1...+15	-1...+24	-1...+39					
Scale resolution (bar)	0,005	0,01	0,02	0,025	0,05	0,05	0,1	0,2	0,25	0,5	0,5	1	2	2,5	5

TYPES AND DIMENSIONS

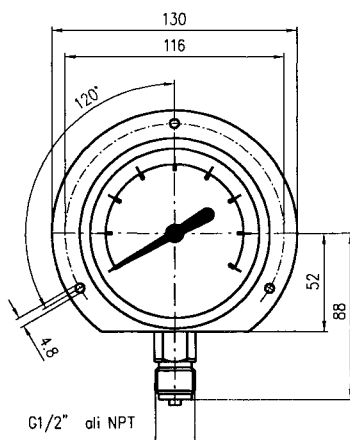
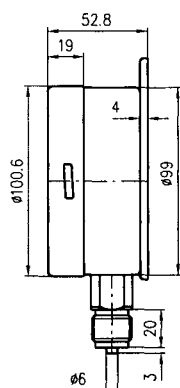
Type A



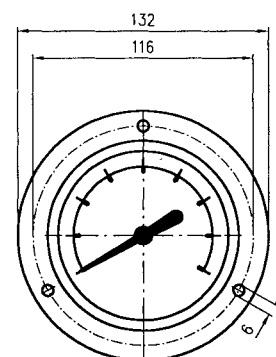
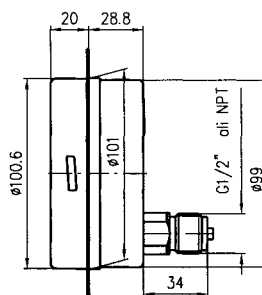
Type B



Type C



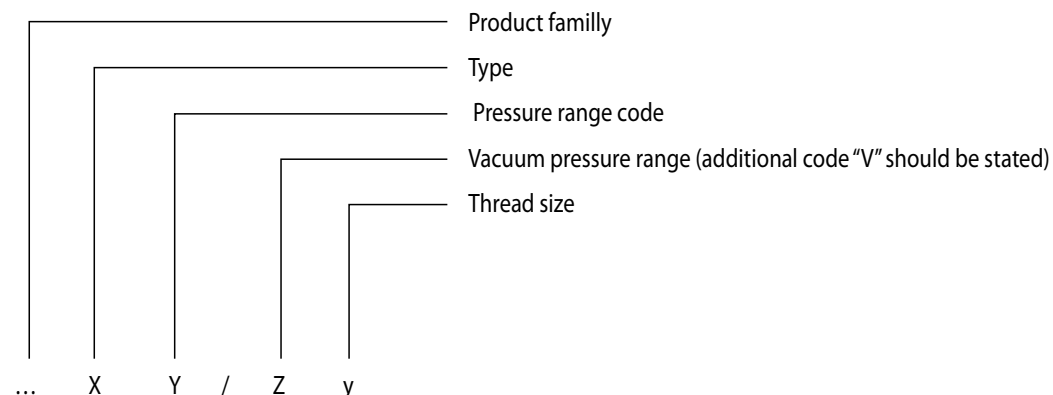
Type E



CONNECTIONS TYPES, MOUNTING MODE, NON-FILLED OR FILLED PRESSURE GAUGE

- A radial (bottom) connection
- B axial (back) connection
- C radial connection with back flange
- E axial connection with front flange
- D filled pressure gauge with radial connection
- F filled pressure gauge with axial connection
- G filled manometer with radial connection and back flange
- H filled manometer with axial connection and front flange

HOW TO ORDER



SAMPLE ORDER: 821F2/V

IM-821-100	Inox pressure gauge Ø 100 mm
F	Filled pressure gauge with axial connection
2	Vacuum range from -1 to +3 bar
V	Vacuum pressure gauge