

PRESSURE GAUGES



PRESSURE AND TEMPERATURE
INSTRUMENTATION



MANUFACTURING FOR WORLDWIDE DISTRIBUTION SINCE 1906

Product Range

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GAUGE SELECTION

Many factors must be considered when selecting the proper gauge for your application. ENFM stocks both pressure and temperature instrumentation in two basic measuring systems.

- 1) Barstock machined brass copper alloy connections with both soldered and silver brazed seamless annealed bourdon tubes
- 2) Barstock machined 316SS connections with welded 316 seamless annealed bourdon tubes

Mechanical Internal Overload Protection is standard on all 4", 4.5" and 6" gauges.

Accuracies available from stock in ANSI Grades 3A, 2A, 1A, A, and B

Other measuring systems, Monel, Chromalloy, etc are available on special order.

BE VERY AWARE OF CHEMICAL COMPATABILITY WHEN SELECTING GAUGE !!!

Who knows your application better than the person using the gauge! For compatibility requirements exceeding our standards, consult ENFM-USA.

Select your pressure range based on reading 75% of the dial scale for static, 66% for dynamic (fluctuating) pressures.

AMBIENT CONDITIONS

ENFM stocks a variety of case materials including drawn black steel, 304 Stainless Steel, and thermoplastic configurations. Consider the environment when selecting your instrument casing. Excessive temperature or mechanical vibration should be considered when selecting mounting location.

SEVERE SERVICE/CONDITIONS

ENFM has been a global leader in liquid filled instrument innovation since their inception. All non-ferrous case configurations are available in both liquid filled, and field fillable designs.

Liquid filled gauges allow for absorption of mechanical shock, provide constant lubrication to the all metal movement, and prevent condensation accumulation on the inside of the lens. Threaded, internal connection snubbers are available on all pressure gauges where additional surge protection is required.

OPERATOR SAFETY

WARNING-- CONSULT ASME B40.1 before using any gauge!

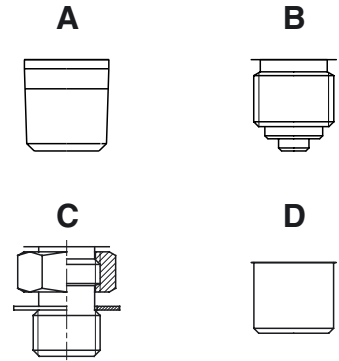
ENFM offers a special series of SOLID FRONT SAFETY GAUGES (series 8000)

These gauges are specifically designed to exhaust any failure of the measuring system through the back of the case which completely disengages releasing away from the operator. Laminated safety glass is a standard. All Stainless Steel measuring systems are helium leak tested confirming welding integrity.

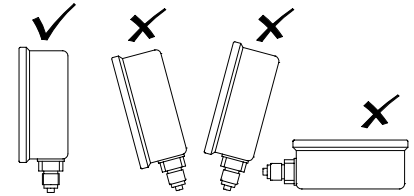
- Please refer to publication ASME B40.1 standard

ENFM products are manufactured in a wide variety of process connections.

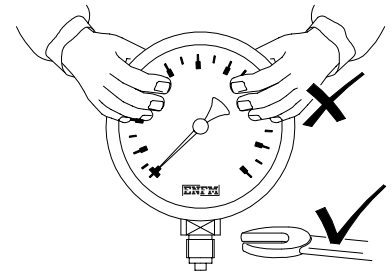
Although barstock machined male NPT is our standard domestic thread, we offer all types of metric, high pressure cone and thread and flanged end connections as options. OEM requirements allow us to offer any machinable thread or connection design.



ALL ENFM instruments are calibrated with the understanding that the dial will be read on a vertical plane to the horizon. Atmospheric conditions can effect the zero indication of certain low pressure instruments used at non-calibrated angles.

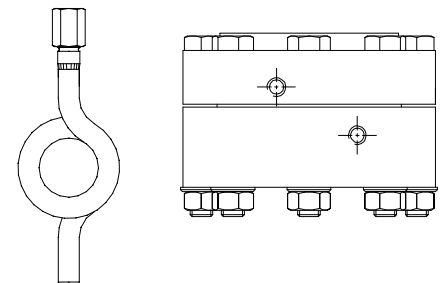


ALWAYS use the wrench flats located on all threaded connections. They are cut into the barstock and designed to take the necessary torque required for satisfactory, trouble free installation of your gauge.




Be AWARE of the process and ambient temperatures exposed to your instrument.

High temperature isolation is available on both pressure and temperature instruments. See series accessories information on FLANGED case options and remote diaphragm seal capillary systems as well as steam syphons and isolation valves.






STOCK AVAILABILITY AND ORDERING INFORMATION

All  instruments are identified by an **ARTICLE NUMBER** and **RANGE CODE**.
ARTICLE NUMBERS are printed in blue, with **normally stocked items** in **bold**.

To configure your part number for ordering, add the range code as a suffix to the ARTICLE NUMBER

EXAMPLE: **ND123A1B201kg**

			
Series	6001	6001	6001
Case Size	1 1/2"	2"	2"
Connection Size	1/8"NPT	1/8"NPT	1/4"NPT
Scale	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa
Article number	ND123A0B	ND123A1B	ND123A1E
Pressure Range Code			
-30"Hg/0	000kg	000kg	000kg
-30"Hg/0/15psi	201kg	201kg	201kg
-30"Hg/0/30 psi	203kg	203kg	203kg
-30"Hg/0/60 psi	205kg	205kg	205kg

PRICING

All prices are quoted F.O.B. Shipping Point

PAYMENT TERMS

Our standard terms are 1%10, Net 30 days

PRODUCTS

You are viewing the latest printed edition of our instrument line. For additional information, visit us on the WEB, WWW.ENFM.NET. Due to new applications and manufacturing technology advances, we are constantly adding new products, as well as improving existing executions. We hold the right to effect these improvements without prior notice. Please contact us with your OEM or special applications today!

YOUR TOTAL SATISFACTION IS OUR NUMBER 1 GOAL!

ENFM part number for pressure gauges



Product

N = standard pressure gauges series 6000
 R = heavy duty pressure gauges series 7000
 S = safety pattern pressure gauges series 8000
 P = precision test gauges series 9500

1

Execution

D = dry
 V = liquid filled
 W = watertight

2

Measuring unit

1 = brass
 2 = stainless steel
 3 = monel

3

Case

2 = steel, black finish
 3 = stainless steel
 6 = stainless steel with blow out
 8 = fiberglass reinforced thermoplastic with blow out

4

Bezel

2 = crimped stainless steel
 3 = crimped black aluminium
 6 = bayonet stainless steel
 7 = thermoplastic ring

5

Mounting

A = bottom
 B = backflange bottom
 C = centerback
 D = frontflange centerback
 F = U-clamp centerback
 G = lowerback
 H = frontflange lower back
 J = U-clamp lowerback

6

Case size

0 = 1 1/2" (40 mm)
 1 = 2" (50 mm)
 3 = 2 1/2" (63 mm)
 5 = 4" (100 mm)
 6 = 6" (150 mm)
 8 = 4.5"

7

Thread

	without snubber	with snubber
1/8" NPT	B	K
1/4" NPT	E	N
1/2" NPT	H	Q
1/8" BSP	A	J
1/4" BSP	D	M
1/2" BSP	G	P

8

Pressure Range

-30"Hg/0	000
-30"Hg/0/15psi	201
-30"Hg/0/30 psi	203
-30"Hg/0/60 psi	205
-30"Hg/0/100 psi	208
-30"Hg/0/150 psi	210
-30"Hg/0/200 psi	212
0-15 psi	301
0-30 psi	303
0-60 psi	306
0-100 psi	309
0-160 psi	312
0-200 psi	314
0-300 psi	317
0-400 psi	319
0-500 psi	320
0-600 psi	321
0-1000 psi	323
0-1500 psi	324
0-2000 psi	325
0-3000 psi	327
0-4000 psi	329
0-5000 psi	331
0-6000 psi	332
0-10000 psi	334
0-15000 psi	335
0-20000 psi	336

9

10

11

Window

G = glass
 K = Acrylic
 V = Safety glass

12

Scale

A = Bar
 B = Psi
 F = Psi/Bar
 G = Kpa/Bar/Psi

13

Options

14

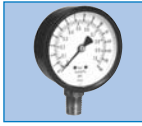
15

Pressure Gauges

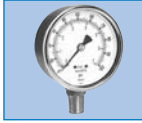
(for partnumber description, see opposite page)



10 Series 6000
Standard Pressure Gauges
 Copper Alloy wetted parts
 Black steel case
 Case size 1 1/2", 2", 2 1/2" & 4"



14 Series 7010
Standard Pressure Gauges
 Copper Alloy wetted parts
 Stainless steel case
 Case size 1 1/2", 2", & 2 1/2"



16 Series 7110
Field Fillable Pressure Gauges
 Copper alloy wetted parts
 Stainless steel case
 Case size 1 1/2", 2", 2 1/2" & 4"



20 Series 7610
Field Fillable Industrial Pressure Gauges
 Copper alloy wetted parts
 Stainless steel case & bayonet ring
 Case size 4" & 6"



24 Series 7210
Liquid Filled Pressure Gauges
 Copper alloy wetted parts
 Stainless steel case
 Case size 1 1/2", 2", 2 1/2" & 4"
 SAE 7/16" - 20 Threads: Case size 2 1/2"



30 Series 6210
Liquid Filled Standard Pressure Gauges
 Copper alloy wetted parts
 Stainless steel case
 Case size 4"



32 Series 7710
Liquid Filled Industrial Pressure Gauges
 Copper alloy wetted parts
 Stainless steel case & bayonet ring
 Case size 4" & 6"



34 Series 7020
Stainless Steel Pressure Gauges
 Stainless steel wetted parts
 Stainless steel case
 Case size 2"



36 Series 7120
Field Fillable Stainless Steel Pressure Gauges
 Stainless steel wetted parts
 Stainless steel case
 Case size 2 1/2"



38 Series 7620
Field Fillable Stainless Steel Pressure Gauges
 Stainless steel wetted parts
 Stainless steel case & bayonet ring
 Case size 2 1/2", 4" & 6"



40 Series 6220
Liquid Filled Standard Pressure Gauges
 Stainless steel wetted parts
 Stainless steel case
 Case size 4"



42 Series 7220
Liquid Filled Stainless Steel Pressure Gauges
 Stainless steel wetted parts
 Stainless steel case
 Case size 2 1/2"



44 Series 7720
Liquid Filled Stainless Steel Pressure Gauges
 Stainless steel wetted parts
 Stainless steel case & bayonet ring
 Case size 2 1/2", 4" & 6"



46 Series 7770
Liquid Filled Stainless Steel Pressure Gauges
 Stainless steel wetted parts
 Stainless steel case welded to connection
 Case size 2 1/2" & 4"



48 Series 8620
Field Fillable Safety Pattern Stainless Steel Pressure Gauges
 Solid front blow out back safety pattern case
 Stainless steel wetted parts
 Case size 2 1/2", 4" & 6"



50 Series 8720
Liquid Filled Safety Pattern Pressure Gauges
 Solid front blow out back safety pattern case
 Stainless steel wetted parts
 Case size 2 1/2", 4" & 6"



52 Series 8800
Process Gauges
 Solid front blow out back safety pattern case
 Micrometer pointer
 Field Fillable
 Case size 4 1/2"



54 Series 8900
Liquid Filled Process Gauges
 Solid front blow out back safety pattern case
 Micrometer pointer
 Case size 4 1/2"



56 Series 9510
Precision Test Gauges
 Copper alloy wetted parts
 Stainless steel case
 Mirror Scale
 Case size 6"



58 Series 6000A/6210A
Altitude Gauges
 Copper alloy wetted parts
 Black steel case or Stainless steel liquid filled case
 Case size 4"



60 Series 6000ISS
Internal Syphon Steam Gauges
 Copper alloy wetted parts with internal Syphon
 Black steel case
 Case size 2 1/2" & 4"



62 Series 7510R/7520R
Receiver Gauges
 Copper alloy or Stainless steel wetted parts
 Stainless steel case
 Case size 2 1/2", 4" & 6"



64 Series 8800R
Receiver Gauges
 Solid front blow out back safety pattern case
 Micrometer pointer
 Case size 4 1/2"



66 Series NH₃ Gauges
NH₃ Ammonia Gauges
 Stainless steel wetted parts
 Stainless steel case
 Case size 2 1/2" & 4"



68 Series 5210
Liquid Filled Mining Gauges
 Copper alloy wetted parts
 Cast Brass case
 Case size 2"



70 Series 3A7620/3A7720
3A Sanitary Gauges
 Stainless steel wetted parts
 Stainless steel polished case & bayonet ring
 Case size 2 1/2" & 4"
 1 1/2" and 2" Tri-Clamp process connections



Series 6000



Standard Pressure Gauges

Copper Alloy wetted parts

Black steel case

Case size 1 1/2", 2" & 2 1/2"

ENFM standard pressure gauges are suitable for a medium, which does not clog connection port or corrode copper alloy. These gauges are commonly used on compressors, pumps, pneumatic and hydraulic systems and a variety of other applications.

Standard gauge specifications

Case:	Black steel
Bezel:	Black crimped aluminum
Dial:	White aluminum with black and blue scales
Pointer:	Black aluminum
Window:	Acrylic
Bourdon tube:	≤ 600 psi : "C" shaped phosphor bronze, > 600 psi : helical phosphor bronze
Connection:	Brass
Movement:	Brass
Accuracy:	3-2-3% of span ASME B40.1 Grade B

Series	6001	6001	6001	6001	6004	6004	6004	6004
Case Size	1 1/2"	2"	2"	2 1/2"	1 1/2"	2"	2"	2 1/2"
Connection Size	1/8"NPT	1/8"NPT	1/4"NPT	1/4"NPT	1/8"NPT	1/8"NPT	1/4"NPT	1/4"NPT
Scale	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa
Article number	ND123A0B	ND123A1B	ND123A1E	ND123A3E	ND123C0B	ND123C1B	ND123C1E	ND123C3E
Pressure Range Code								
-30"Hg/0	000kg	000kg	000kg	000kg	000kg	000kg	000kg	000kg
-30"Hg/0/15psi	201kg	201kg	201kg	201kg	201kg	201kg	201kg	201kg
-30"Hg/0/30 psi	203kg	203kg	203kg	203kg	203kg	203kg	203kg	203kg
-30"Hg/0/60 psi	205kg	205kg	205kg	205kg	205kg	205kg	205kg	205kg
-30"Hg/0/100 psi	208kg	208kg	208kg	208kg	208kg	208kg	208kg	208kg
-30"Hg/0/150 psi	210kg	210kg	210kg	210kg	210kg	210kg	210kg	210kg
-30"Hg/0/200 psi	212kg	212kg	212kg	212kg	212kg	212kg	212kg	212kg
0-15 psi	301kg	301kg	301kg	301kg	301kg	301kg	301kg	301kg
0-30 psi	303kg	303kg	303kg	303kg	303kg	303kg	303kg	303kg
0-60 psi	306kg	306kg	306kg	306kg	306kg	306kg	306kg	306kg
0-100 psi	309kg	309kg	309kg	309kg	309kg	309kg	309kg	309kg
0-160 psi	312kg	312kg	312kg	312kg	312kg	312kg	312kg	312kg
0-200 psi	314kg	314kg	314kg	314kg	314kg	314kg	314kg	314kg
0-300 psi	317kg	317kg	317kg	317kg	317kg	317kg	317kg	317kg
0-400 psi	319kg	319kg	319kg	319kg	319kg	319kg	319kg	319kg
0-500 psi	320kg	320kg	320kg	320kg	320kg	320kg	320kg	320kg
0-600 psi	321kg	321kg	321kg	321kg	321kg	321kg	321kg	321kg
0-1000 psi	323kg	323kg	323kg	323kg	323kg	323kg	323kg	323kg
0-1500 psi	324kg	324kg	324kg	324kg	324kg	324kg	324kg	324kg
0-2000 psi	325kg	325kg	325kg	325kg	325kg	325kg	325kg	325kg
0-3000 psi	327kg	327kg	327kg	327kg	327kg	327kg	327kg	327kg
0-4000 psi	329kg	329kg	329kg	329kg	329kg	329kg	329kg	329kg
0-5000 psi	331kg	331kg	331kg	331kg	331kg	331kg	331kg	331kg
Mounting Options								
Frontflange 6006	-	-	-	-	ND123D0B	ND123D1B	ND123D1E	ND123D3E
U Clamp 6007	-	-	-	-	ND133F0B	ND133F1B	ND133F1E	ND123F3E

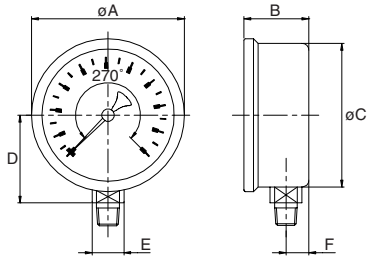
Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **ND123A0B000kg**

Sizes and weights series 6000

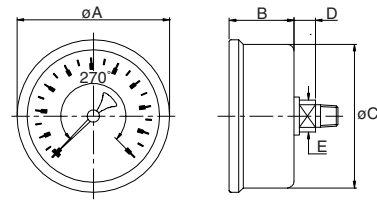


6001 bottom



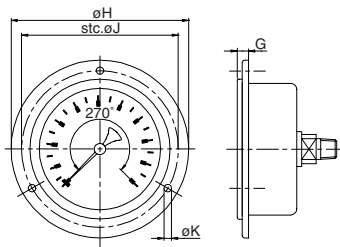
Size	A	B	C	D	E	F	Wght.
1 1/2	1.73	1.04	1.57	1.06	0.55	0.39	0.150
2	2.09	1.06	1.97	1.24	0.55	0.39	0.210
2 1/2	2.64	1.12	2.48	1.52	0.55	0.39	0.280
40	44	26.5	40	27.0	14	10	0.070
50	53	27.0	50	31.5	14	10	0.095
63	67	28.5	63	38.5	14	10	0.125

6004 centerback



Size	A	B	C	D	E	Wght.
1 1/2	1.73	1.06	1.57	0.28	0.55	0.155
2	2.09	1.08	1.97	0.28	0.55	0.190
2 1/2	2.64	1.10	2.48	0.37	0.55	0.245
40	44	27.0	40	7.0	14	0.070
50	53	27.5	50	7.0	14	0.085
63	67	28.0	63	9.5	14	0.110

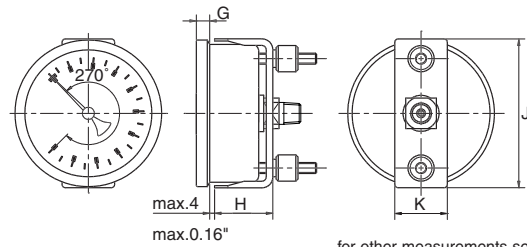
6006 frontflange



for other measurements see 6004

Size	G	H	J	K	Wght.
1 1/2	0.28	2.40	2.01	0.14	0.180
2	0.28	2.80	2.36	0.14	0.235
2 1/2	0.35	3.35	2.95	0.14	0.320
40	7	61	51	3.6	0.080
50	7	71	60	3.6	0.105
63	9	85	75	3.6	0.145

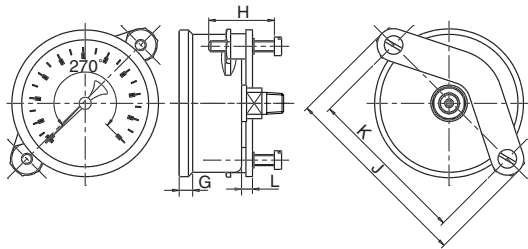
6007 U-clamp steel, zinc plated



for other measurements see 6004

Size	G	H	J	K	Wght.
1 1/2	0.20	1.00	1.77	0.79	0.200
2	0.20	1.04	2.17	0.94	0.245
40	5	25.5	45	20	0.090
50	5	26.5	55	24	0.110

6007 U-clamp steel, zinc plated



for other measurements see 6004

Size	G	H	J	K	L	Wght.
2 1/2	0.24	1.18	3.48	2.89	0.20	0.365
63	6	30	88.5	73.5	5	0.165

Series 6000



Standard Pressure Gauges

Copper Alloy wetted parts

Black steel case

Case size 4"

ENFM standard pressure gauges are suitable for a medium, which does not clog connection port or corrode copper alloy. 4" Dials offer the easier reading and are commonly used on compressors, pumps, pneumatic and hydraulic systems and a variety of other applications.

Standard gauge specifications

- Case:** Black steel
- Bezel:** Black crimped aluminum
- Dial:** White aluminum with black and blue scales
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** ≤ 600 psi : "C" shaped phosphor bronze,
> 600 psi : helical phosphor bronze
- Connection:** Brass
- Movement:** Brass
- Accuracy:** 3-2-3% of span ASME B40.1 Grade B

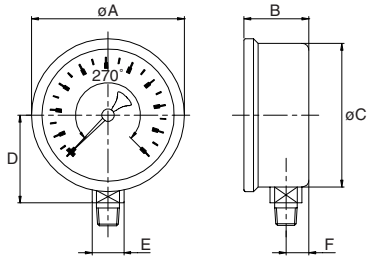
Series	6001	6004	6001	6004
Case Size	4"	4"	4"	4"
Connection Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Scale	psi	psi	psi/bar/kPa	psi/bar/kPa
Article number	ND123A5E	ND123C5E	ND123A5E	ND123C5E
Pressure Range Code				
-30"Hg/0	000kb	000kb	000kg	000kg
-30"Hg/0/15psi	201kb	201kb	201kg	201kg
-30"Hg/0/30 psi	203kb	203kb	203kg	203kg
-30"Hg/0/60 psi	205kb	205kb	205kg	205kg
-30"Hg/0/100 psi	208kb	208kb	208kg	208kg
-30"Hg/0/150 psi	210kb	210kb	210kg	210kg
-30"Hg/0/200 psi	212kb	212kb	212kg	212kg
0-15 psi	301kb	301kb	301kg	301kg
0-30 psi	303kb	303kb	303kg	303kg
0-60 psi	306kb	306kb	306kg	306kg
0-100 psi	309kb	309kb	309kg	309kg
0-160 psi	312kb	312kb	312kg	312kg
0-200 psi	314kb	314kb	314kg	314kg
0-300 psi	317kb	317kb	317kg	317kg
0-400 psi	319kb	319kb	319kg	319kg
0-500 psi	320kb	320kb	320kg	320kg
0-600 psi	321kb	321kb	321kg	321kg
0-1000 psi	323kb	323kb	323kg	323kg
0-1500 psi	324kb	324kb	324kg	324kg
0-2000 psi	325kb	325kb	325kg	325kg
0-3000 psi	327kb	327kb	327kg	327kg
0-4000 psi	329kb	329kb	329kg	329kg
0-5000 psi	331kb	331kb	331kg	331kg
Mounting Options				
Frontflange 6006	-	ND123D5E	-	ND123D5E

Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **ND123A5E000kg**

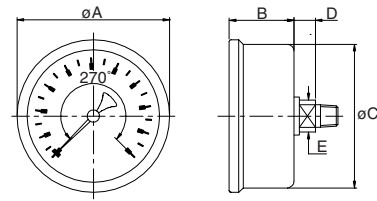
Sizes and weights series 6000

6001 bottom



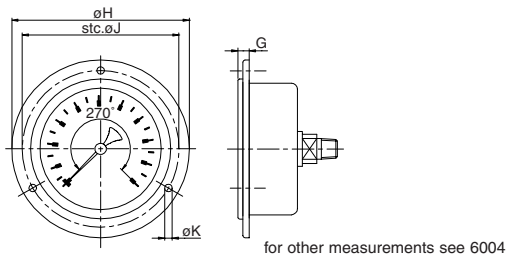
Size	A	B	C	D	E	F	Wght.
4	4.09	1.16	3.90	2.24	0.55	0.39	0.555
100	104	29.5	99	57.0	14	10	0.250

6004 centerback



Size	A	B	C	D	E	Wght.
4	4.09	1.18	3.90	0.41	0.55	0.475
100	104	30.0	99	10.5	14	0.215

6006 frontflange



Size	G	H	J	K	Wght.
4	0.37	5.20	4.57	0.19	0.665
100	9.5	132	116	4.8	0.300



Series 7010



Standard Pressure Gauges

Copper Alloy wetted parts

Stainless steel case, dry design

Case size 1 1/2", 2" & 2 1/2"

ENFM standard pressure gauges are suitable for a medium, which does not clog connection port or corrode copper alloy. These gauges are commonly used on compressors, pumps, pneumatic and hydraulic systems and a variety of other applications.

Standard gauge specifications

- Case:** Stainless steel AISI 304
- Bezel:** Crimped stainless steel AISI 304
- Dial:** White aluminum with black and blue scales
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** ≤ 600 psi : "C" shaped phosphor bronze,
> 600 psi : helical phosphor bronze
- Connection:** Brass
- Movement:** Brass
- Accuracy:** 1,6% of span.

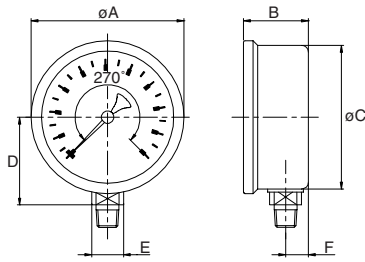
Series	7011	7011	7011	7014	7014	7014
Case Size	1 1/2"	2"	2 1/2"	1 1/2"	2"	2 1/2"
Connection Size	1/8"NPT	1/4"NPT	1/4"NPT	1/8"NPT	1/4"NPT	1/4"NPT
Scale	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa
Article number	ND132A0B	ND132A1E	RD132A3E	ND132C0B	ND132C1E	RD132C3E
Pressure Range Code						
-30"Hg/0	000kg	000kg	000kg	000kg	000kg	000kg
-30"Hg/0/15psi	201kg	201kg	201kg	201kg	201kg	201kg
-30"Hg/0/30 psi	203kg	203kg	203kg	203kg	203kg	203kg
-30"Hg/0/60 psi	205kg	205kg	205kg	205kg	205kg	205kg
-30"Hg/0/100 psi	208kg	208kg	208kg	208kg	208kg	208kg
-30"Hg/0/150 psi	210kg	210kg	210kg	210kg	210kg	210kg
-30"Hg/0/200 psi	212kg	212kg	212kg	212kg	212kg	212kg
0-15 psi	301kg	301kg	301kg	301kg	301kg	301kg
0-30 psi	303kg	303kg	303kg	303kg	303kg	303kg
0-60 psi	306kg	306kg	306kg	306kg	306kg	306kg
0-100 psi	309kg	309kg	309kg	309kg	309kg	309kg
0-160 psi	312kg	312kg	312kg	312kg	312kg	312kg
0-200 psi	314kg	314kg	314kg	314kg	314kg	314kg
0-300 psi	317kg	317kg	317kg	317kg	317kg	317kg
0-400 psi	319kg	319kg	319kg	319kg	319kg	319kg
0-500 psi	320kg	320kg	320kg	320kg	320kg	320kg
0-600 psi	321kg	321kg	321kg	321kg	321kg	321kg
Mounting Options						
Frontflange 7016	-	-	-	ND132D0B	ND132D1E	RD132D3E
U Clamp 7017	-	-	-	ND132F0B	ND132F1E	RD132F3E

Items shown in **bold** are normally stocked items

Sizes and weights series 7010

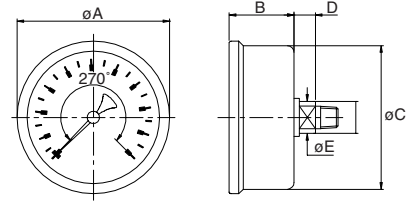


7011 bottom



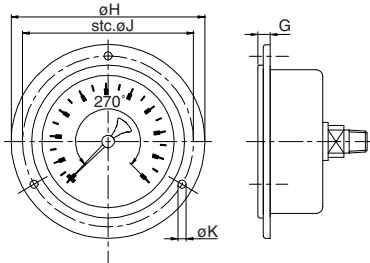
Size	A	B	C	D	E	F	Wght.
1 1/2	1.73	1.04	1.57	1.06	0.55	0.39	0.155
2	2.09	1.06	1.97	1.24	0.55	0.39	0.210
2 1/2	2.64	1.12	2.48	1.52	0.55	0.39	0.280
40	44	26.5	40	27.0	14	10	0.070
50	53	27.0	50	31.5	14	10	0.095
63	67	28.5	63	38.5	14	10	0.125

7014 centerback



Size	A	B	C	D	E	Wght.
1 1/2	1.73	1.06	1.57	0.28	0.55	0.155
2	2.09	1.08	1.97	0.28	0.55	0.190
2 1/2	2.64	1.10	2.48	0.37	0.55	0.245
40	44	27.0	40	7.0	14	0.070
50	53	27.5	50	7.0	14	0.085
63	67	28.0	63	9.5	14	0.110

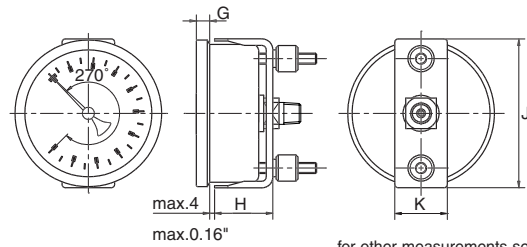
7016 frontflange



for other measurements see 7014

Size	G	H	J	K	Wght.
1 1/2	0.28	2.40	2.01	0.14	0.180
2	0.28	2.80	2.36	0.14	0.235
2 1/2	0.35	3.35	2.95	0.14	0.320
40	7	61	51	3.6	0.080
50	7	71	60	3.6	0.105
63	9	85	75	3.6	0.145

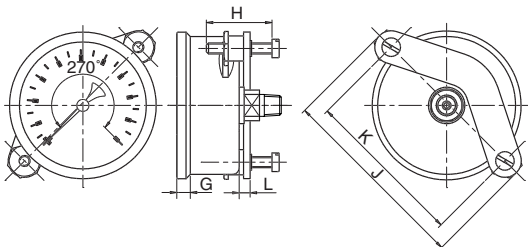
7017 U-clamp steel, zinc plated



for other measurements see 7014

Size	G	H	J	K	Wght.
1 1/2	0.20	1.00	1.77	0.79	0.200
2	0.20	1.04	2.17	0.94	0.245
40	5	25.5	45	20	0.090
50	5	26.5	55	24	0.110

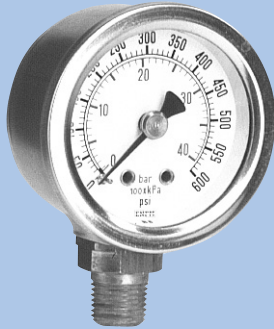
7017 U-clamp steel, zinc plated



for other measurements see 7014

Size	G	H	J	K	L	Wght.
2 1/2	0.24	1.18	3.48	2.89	0.20	0.365
63	6	30	88.5	73.5	5	0.165

Series 7110



Field Fillable Pressure Gauges

Copper Alloy wetted parts
Stainless steel case
Case size 1 1/2" & 2"

ENFM's small field fillable pressure gauges are suitable for a medium, which does not clog connection port or corrode copper alloy. These gauges are commonly used on heavy-duty service in industrial environments.

Standard gauge specifications

- Case:** Stainless steel AISI 304 with filling plug.
- Bezel:** Crimped stainless steel AISI 304
- Dial:** White aluminum with black and blue scales
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** ≤ 600 psi : "C" shaped phosphor bronze,
> 600 psi : helical phosphor bronze
- Connection:** Brass with field removable .012 threaded snubber
- Movement:** Brass
- Weather protection:** IP 54
- Accuracy:** 1.6 % of span

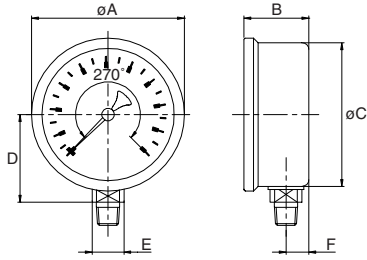
Series	7111	7111	7111	7114	7114	7114
Case Size	1 1/2"	2"	2"	1 1/2"	2"	2"
Connection Size	1/8"NPT	1/8"NPT	1/4"NPT	1/8"NPT	1/8"NPT	1/4"NPT
Scale	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa
Article number	RW132A0K	RW132A1K	RW132A1N	RW132C0K	RW132C1K	RW132C1N
Pressure Range Code						
-30"Hg/0	000kg	000kg	000kg	000kg	000kg	000kg
-30"Hg/0/15psi	201kg	201kg	201kg	201kg	201kg	201kg
-30"Hg/0/30 psi	203kg	203kg	203kg	203kg	203kg	203kg
-30"Hg/0/60 psi	205kg	205kg	205kg	205kg	205kg	205kg
-30"Hg/0/100 psi	208kg	208kg	208kg	208kg	208kg	208kg
-30"Hg/0/150 psi	210kg	210kg	210kg	210kg	210kg	210kg
-30"Hg/0/200 psi	212kg	212kg	212kg	212kg	212kg	212kg
0-15 psi	301kg	301kg	301kg	301kg	301kg	301kg
0-30 psi	303kg	303kg	303kg	303kg	303kg	303kg
0-60 psi	306kg	306kg	306kg	306kg	306kg	306kg
0-100 psi	309kg	309kg	309kg	309kg	309kg	309kg
0-160 psi	312kg	312kg	312kg	312kg	312kg	312kg
0-200 psi	314kg	314kg	314kg	314kg	314kg	314kg
0-300 psi	317kg	317kg	317kg	317kg	317kg	317kg
0-400 psi	319kg	319kg	319kg	319kg	319kg	319kg
0-500 psi	320kg	320kg	320kg	320kg	320kg	320kg
0-600 psi	321kg	321kg	321kg	321kg	321kg	321kg
0-1000 psi	323kg	323kg	323kg	323kg	323kg	323kg
0-1500 psi	324kg	324kg	324kg	324kg	324kg	324kg
0-2000 psi	325kg	325kg	325kg	325kg	325kg	325kg
0-3000 psi	327kg	327kg	327kg	327kg	327kg	327kg
0-4000 psi	329kg	329kg	329kg	329kg	329kg	329kg
0-5000 psi	331kg	331kg	331kg	331kg	331kg	331kg
0-6000 psi	332kg	332kg	332kg	332kg	332kg	332kg
Mounting Options						
Frontflange 7116	-	-	-	RW132D0K	RW132D1K	RW132D1N
U Clamp 7117	-	-	-	RW132F0K	RW132F1K	RW132F1N

Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **RW132A0K000kg**

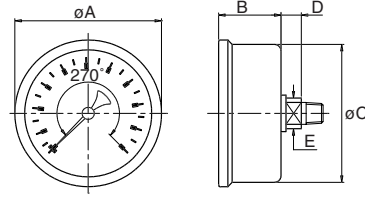
Sizes and weights series 7110

7111 bottom



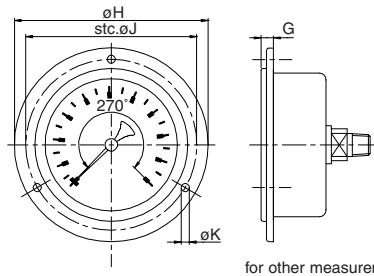
Size	A	B	C	D	E	F	Wght.
1 1/2	1.73	1.04	1.57	1.06	0.55	0.39	0.155
2	2.09	1.06	1.97	1.24	0.55	0.39	0.210
40	44	26.5	40	27.0	14	10	0.070
50	53	27.0	50	31.5	14	10	0.095

7114 centerback



Size	A	B	C	D	E	Wght.
1 1/2	1.73	1.06	1.57	0.28	0.55	0.155
2	2.09	1.08	1.97	0.28	0.55	0.190
40	44	27.0	40	7.0	14	0.070
50	53	27.5	50	7.0	14	0.085

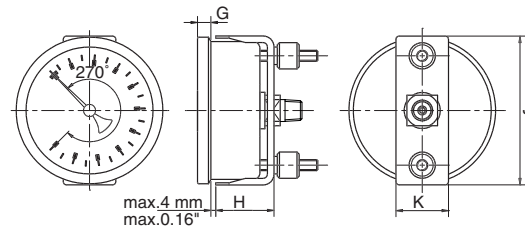
7116 frontflange



for other measurements see 7114

Size	G	H	J	K	Wght.
1 1/2	0.28	2.40	2.01	0.14	0.180
2	0.28	2.80	2.36	0.14	0.235
40	7	61	51	3.6	0.080
50	7	71	60	3.6	0.105

7117 U-clamp steel, zinc plated



for other measurements see 7114

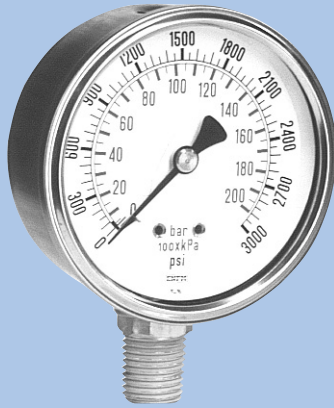
Size	G	H	J	K	Wght.
1 1/2	0.20	1.00	1.77	0.79	0.200
2	0.20	1.04	2.17	0.94	0.245
40	5	25.5	45	20	0.090
50	5	26.5	55	24	0.110



Series 7110

Field Fillable Pressure Gauges

Copper Alloy wetted parts
Stainless steel case
Case size 2 1/2" & 4"



ENFM's field fillable pressure gauges are suitable for a medium, which does not clog connection port or corrode copper alloy. These gauges are commonly used on heavy-duty service in industrial environments.

Standard gauge specifications

- Case:** Stainless steel AISI 304 with filling plug
- Bezel:** Crimped stainless steel AISI 304
- Dial:** White aluminum with black and blue scales
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** ≤ 600 psi : "C" shaped phosphor bronze,
 > 600 psi : helical phosphor bronze,
 > 6000 psi: helical Stainless steel AISI 316
- Connection:** Brass with field removable .012 threaded snubber
- Movement:** Brass
- Weather protection:** IP 54
- Accuracy:** 1.6 % of span (2 1/2")
 1.0 % of span (4") ASME B40.1 Grade 1A

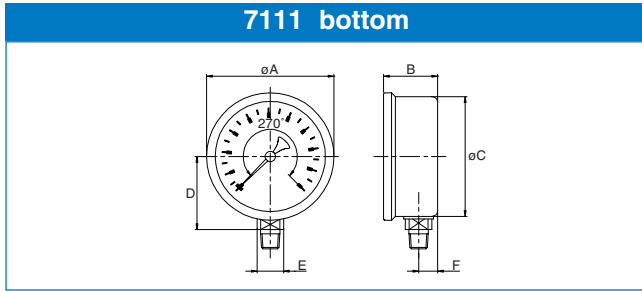
Series	7111	7111	7111	7111	7111	7114	7115
Case Size	2 1/2"	2 1/2"	4"	4"	4"	2 1/2"	4"
Connection Size	1/4"NPT	1/4"NPT	1/4"NPT	1/2"NPT	1/2"NPT	1/4"NPT	1/2"NPT
Scale	psi	psi/bar/kPa	psi/bar/kPa	psi	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa
Article number	RW132A3E	RW132A3N	RW132A5N	RW132A5H	RW132A5Q	RW132C3N	RW132G5Q
Pressure Range Code							
-30"Hg/0	000kb	000kg	000kg	000kb	000kg	000kg	000kg
-30"Hg/0/15psi	201kb	201kg	201kg	201kb	201kg	201kg	201kg
-30"Hg/0/30 psi	203kb	203kg	203kg	203kb	203kg	203kg	203kg
-30"Hg/0/60 psi	205kb	205kg	205kg	205kb	205kg	205kg	205kg
-30"Hg/0/100 psi	208kb	208kg	208kg	208kb	208kg	208kg	208kg
-30"Hg/0/150 psi	210kb	210kg	210kg	210kb	210kg	210kg	210kg
-30"Hg/0/200 psi	212kb	212kg	212kg	212kb	212kg	212kg	212kg
0-15 psi	301kb	301kg	301kg	301kb	301kg	301kg	301kg
0-30 psi	303kb	303kg	303kg	303kb	303kg	303kg	303kg
0-60 psi	306kb	306kg	306kg	306kb	306kg	306kg	306kg
0-100 psi	309kb	309kg	309kg	309kb	309kg	309kg	309kg
0-160 psi	312kb	312kg	312kg	312kb	312kg	312kg	312kg
0-200 psi	314kb	314kg	314kg	314kb	314kg	314kg	314kg
0-300 psi	317kb	317kg	317kg	317kb	317kg	317kg	317kg
0-400 psi	319kb	319kg	319kg	319kb	319kg	319kg	319kg
0-500 psi	320kb	320kg	320kg	320kb	320kg	320kg	320kg
0-600 psi	321kb	321kg	321kg	321kb	321kg	321kg	321kg
0-1000 psi	323kb	323kg	323kg	323kb	323kg	323kg	323kg
0-1500 psi	324kb	324kg	324kg	324kb	324kg	324kg	324kg
0-2000 psi	325kb	325kg	325kg	325kb	325kg	325kg	325kg
0-3000 psi	327kb	327kg	327kg	327kb	327kg	327kg	327kg
0-4000 psi	329kb	329kg	329kg	329kb	329kg	329kg	329kg
0-5000 psi	331kb	331kg	331kg	331kb	331kg	331kg	331kg
0-6000 psi	332kb	332kg	332kg	332kb	332kg	332kg	332kg
0-10000 psi	334kb	334kg	334kg	334kb	334kg	334kg*	334kg
0-15000 psi	335kb	335kg	335kg	335kb	335kg	335kg*	335kg
Mounting Options							
Backflange 7112	RW132B3E	RW132B3N	RW132B5N	RW132B5H	RW132B5Q	-	-
Frontflange 7116/8	-	-	-	-	-	RW132D3N	RW132H5Q
U Clamp 7117/9	-	-	-	-	-	RW132F3N	RW132J5Q

Items shown in **bold** are normally stocked items

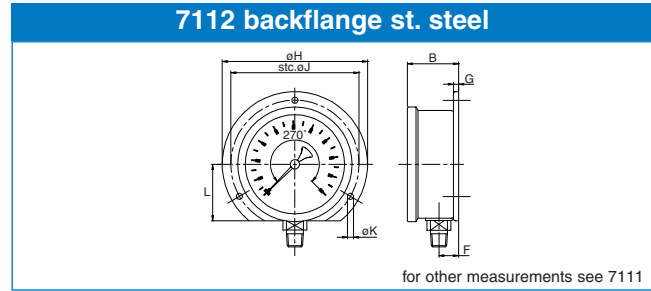
* design RW132G3N

To order, add pressure range code after article number, example: **RW132A3N000kg**

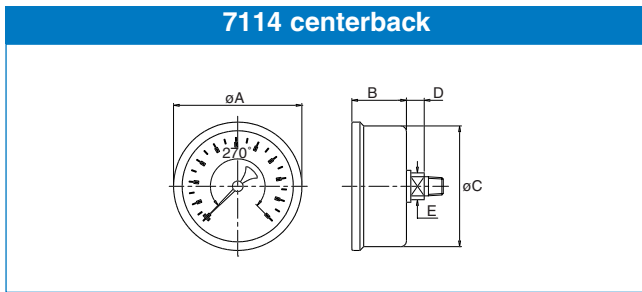
Sizes and weights series 7110



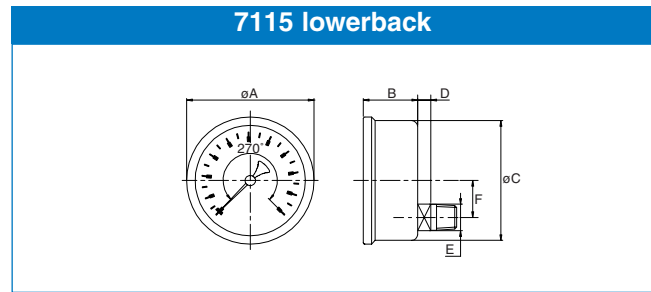
Size	A	B	C	D	E	F	Wght.
2 1/2	2.64	1.12	2.48	1.52	0.55	0.39	0.277
4	4.09	1.77	3.90	2.48	0.87	0.67	1.160
63	67	28.5	63	38.5	14	10	0.125
100	104	45.0	99	63.0	22	17	0.525



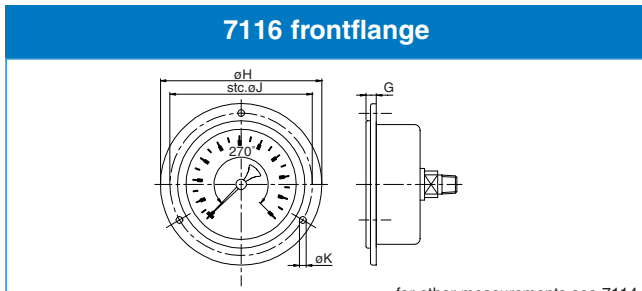
Size	B	F	G	H	J	K	L	Wght.
2 1/2	1.18	0.45	0.12	3.35	2.95	0.14	1.30	0.320
4	1.87	0.77	0.16	5.20	4.57	0.20	2.05	1.315
63	30.0	11.5	3	85	75	3.6	33	0.145
100	47.5	19.5	4	132	116	5.0	52	0.595



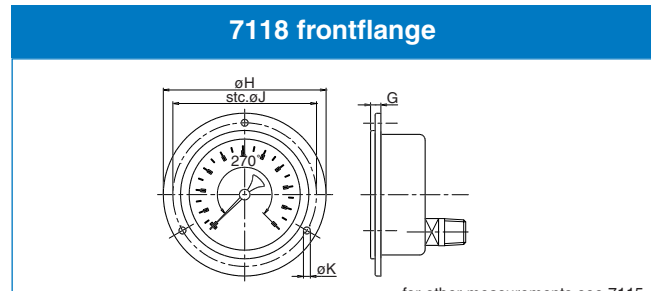
Size	A	B	C	D	E	Wght.
2 1/2	2.64	1.10	2.48	0.37	0.55	0.245
63	67	28.0	63	9.5	14	0.110



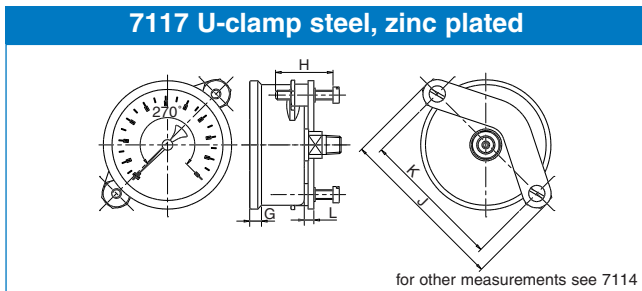
Size	A	B	C	D	E	F	Wght.
4	4.09	1.83	3.90	0.43	0.87	1.31	1.250
100	104	46.5	99	11	22	33.4	0.565



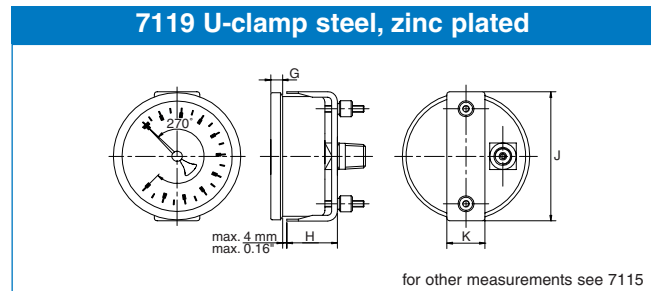
Size	G	H	J	K	Wght.
2 1/2	0.35	3.35	2.95	0.14	0.320
63	9	85	75	3.6	0.145



Size	G	H	J	K	Wght.
4	0.30	5.20	4.57	0.19	1.390
100	7.5	132	116	4.8	0.630



Size	G	H	J	K	L	Wght.
2 1/2	0.24	1.18	3.48	2.89	0.20	0.365
63	6	30	88.5	73.5	5	0.165



Size	G	H	J	K	Wght.
4	0.24	1.73	4.17	0.98	1.415
100	6	44	106	25	0.640

Series 7610



Field Fillable Industrial Pressure Gauges

Copper Alloy wetted parts
Stainless steel case & bayonet ring
Case size 4" & 6"

ENFM field fillable pressure gauges are suitable for a medium, which does not clog connection port or corrode brass. These gauges are commonly used on heavy-duty service in industrial environments

Standard gauge specifications

Case:	Stainless steel AISI 304 with blow out and filling plug
Bezel:	Stainless steel polished bayonet AISI 304
Dial:	White aluminum with black and blue scales
Pointer:	Black aluminum, adjustable
Window:	Acrylic
Bourdon tube:	≤ 600 psi : "C" shaped phosphor bronze, > 600 psi : helical phosphor bronze > 6000 psi: helical Stainless steel AISI 316
Connection:	Brass with field removable .012 threaded snubber
Movement:	Brass with overload protection
Weather protection:	IP 54
Accuracy:	1.0 % of span ASME B40.1 Grade 1A

Series	7611	7611	7611	7615	7615	7615
Case Size	4"	4"	6"	4"	4"	6"
Connection Size	1/4"NPT	1/2"NPT	1/2"NPT	1/4"NPT	1/2"NPT	1/4"NPT
Scale	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa
Article number	RW166A5N	RW166A5Q	RW166A6Q	RW166G5N	RW166G5Q	RW166G6Q
Pressure Range Code						
-30"Hg/0	000kg	000kg	000kg	000kg	000kg	000kg
-30"Hg/0/15psi	201kg	201kg	201kg	201kg	201kg	201kg
-30"Hg/0/30 psi	203kg	203kg	203kg	203kg	203kg	203kg
-30"Hg/0/60 psi	205kg	205kg	205kg	205kg	205kg	205kg
-30"Hg/0/100 psi	208kg	208kg	208kg	208kg	208kg	208kg
-30"Hg/0/150 psi	210kg	210kg	210kg	210kg	210kg	210kg
-30"Hg/0/200 psi	212kg	212kg	212kg	212kg	212kg	212kg
0-15 psi	301kg	301kg	301kg	301kg	301kg	301kg
0-30 psi	303kg	303kg	303kg	303kg	303kg	303kg
0-60 psi	306kg	306kg	306kg	306kg	306kg	306kg
0-100 psi	309kg	309kg	309kg	309kg	309kg	309kg
0-160 psi	312kg	312kg	312kg	312kg	312kg	312kg
0-200 psi	314kg	314kg	314kg	314kg	314kg	314kg
0-300 psi	317kg	317kg	317kg	317kg	317kg	317kg
0-400 psi	319kg	319kg	319kg	319kg	319kg	319kg
0-500 psi	320kg	320kg	320kg	320kg	320kg	320kg
0-600 psi	321kg	321kg	321kg	321kg	321kg	321kg
0-1000 psi	323kg	323kg	323kg	323kg	323kg	323kg
0-1500 psi	324kg	324kg	324kg	324kg	324kg	324kg
0-2000 psi	325kg	325kg	325kg	325kg	325kg	325kg
0-3000 psi	327kg	327kg	327kg	327kg	327kg	327kg
0-4000 psi	329kg	329kg	329kg	329kg	329kg	329kg
0-5000 psi	331kg	331kg	331kg	331kg	331kg	331kg
0-6000 psi	332kg	332kg	332kg	332kg	332kg	332kg
0-10000 psi	334kg	334kg	334kg	334kg	334kg	334kg
0-15000 psi	335kg	335kg	335kg	335kg	335kg	335kg
Mounting Options						
Backflange 7612	RW166B5N	RW166B5Q	RW166B6Q	-	-	-
Frontflange 7618	-	-	-	RW166H5N	RW166H5Q	RW166H6Q
U Clamp 7619	-	-	-	RW166J5N	RW166J5Q	RW166J6Q

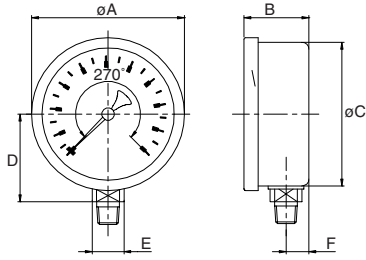
Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **RW166A5N000kg**

Sizes and weights series 7610

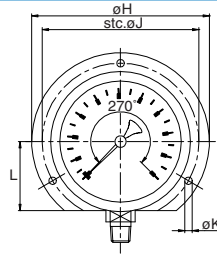


7611 bottom



Size	A	B	C	D	E	F	Wght.
4	4.13	1.83	3.90	2.48	0.87	0.67	1.190
6	6.22	2.17	5.85	3.62	0.87	0.77	2.260
100	105	46.5	99.0	63	22	17.0	0.540
150	158	55.0	148.5	92	22	19.5	1.025

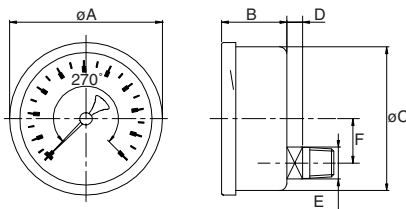
7612 backflange st. steel



for other measurements see 7611

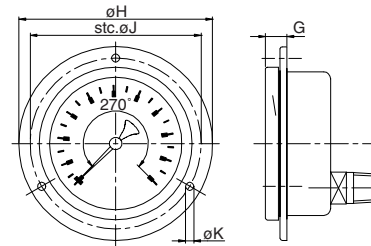
Size	B	F	G	H	J	K	L	Wght.
4	1.93	0.77	0.16	5.20	4.57	0.20	2.05	1.345
6	2.34	0.94	0.24	7.32	6.61	0.24	3.07	2.680
100	49.0	19.5	4	132	116	5.0	52	0.610
150	59.5	24.0	6	186	168	6.0	78	1.215

7615 lowerback



Size	A	B	C	D	E	F	Wght.
4	4.13	1.89	3.90	0.43	0.87	1.31	1.280
6	6.22	2.17	5.85	0.67	0.87	2.07	2.495
100	105	48	99.0	11	22	33.4	0.580
150	158	55	148.5	17	22	52.5	1.130

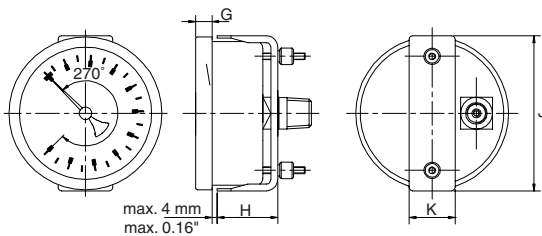
7618 frontflange



for other measurements see 7615

Size	G	H	J	K	Wght.
4	0.53	5.20	4.57	0.19	1.425
6	0.83	7.32	6.61	0.24	2.910
100	13.5	132	116	4.8	0.645
150	21.0	186	168	6.0	1.320

7619 U-clamp steel, zinc plated



for other measurements see 7615

Size	G	H	J	K	Wght.
4	0.39	1.73	4.17	0.98	1.445
6	0.51	1.93	6.61	0.98	3.275
100	10	44	106	25	0.655
150	13	49	168	25	1.485

Series 7611 Series 7711



Field Fillable & Liquid Filled Industrial Pressure Gauges

Copper Alloy wetted parts
Stainless steel case & bayonet ring
Case size 2 1/2" & 4"

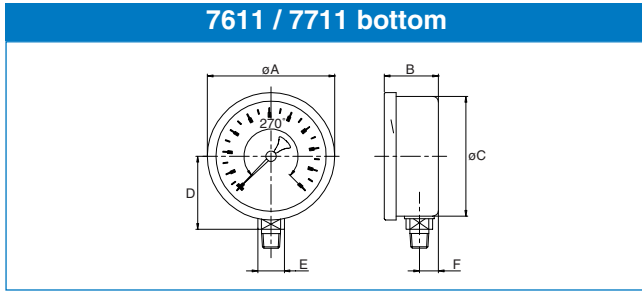
ENFM field fillable and liquid filled industrial pressure gauges are suitable for a medium, which does not clog connection port or corrode brass. These gauges are commonly used on heavy-duty service in industrial environments

Standard gauge specifications

Case:	Stainless steel AISI 304 with blow out and filling plug
Bezel:	Stainless steel polished bayonet AISI 304
Dial:	White aluminum with black scale
Pointer:	Black aluminum, adjustable
Window:	Laminated safety glass
Bourdon tube:	≤ 600 psi : "C" shaped phosphor bronze, > 600 psi : helical phosphor bronze > 6000 psi: helical Stainless steel AISI 316
Connection:	Brass
Movement:	Brass with overload protection, only for 4"
Weather protection:	IP 54 for 7611, IP65 for 7711
Accuracy:	1.6 % of span for 2 1/2", 1.0 % of span for 4". ASME B40.1 Grade 1A

Series	7611	7611	7711	7711
Case Size	2 1/2"	4"	2 1/2"	4"
Connection Size	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Scale	psi	psi	psi	psi
Article number	RW166A3E	RW166A5H	RV166A3E	RV166A5H
Pressure Range Code				
-30"Hg/0	000vb	000vb	000vb	000vb
-30"Hg/0/15psi	201vb	201vb	201vb	201vb
-30"Hg/0/30 psi	203vb	203vb	203vb	203vb
-30"Hg/0/60 psi	205vb	205vb	205vb	205vb
-30"Hg/0/100 psi	208vb	208vb	208vb	208vb
-30"Hg/0/150 psi	210vb	210vb	210vb	210vb
-30"Hg/0/200 psi	212vb	212vb	212vb	212vb
0-15 psi	301vb	301vb	301vb	301vb
0-30 psi	303vb	303vb	303vb	303vb
0-60 psi	306vb	306vb	306vb	306vb
0-100 psi	309vb	309vb	309vb	309vb
0-160 psi	312vb	312vb	312vb	312vb
0-200 psi	314vb	314vb	314vb	314vb
0-300 psi	317vb	317vb	317vb	317vb
0-400 psi	319vb	319vb	319vb	319vb
0-500 psi	320vb	320vb	320vb	320vb
0-600 psi	321vb	321vb	321vb	321vb
0-1000 psi	323vb	323vb	323vb	323vb
0-1500 psi	324vb	324vb	324vb	324vb
0-2000 psi	325vb	325vb	325vb	325vb
0-3000 psi	327vb	327vb	327vb	327vb
0-4000 psi	329vb	329vb	329vb	329vb
0-5000 psi	331vb	331vb	331vb	331vb
0-6000 psi	332vb	332vb	332vb	332vb
0-10000 psi	334vb	334vb	334vb	334vb
0-15000 psi	335vb	335vb	335vb	335vb

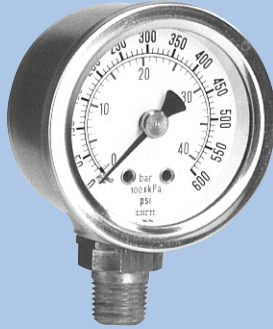
Sizes and weights series 7611 / 7711



Size	A	B	C	D	E	F	Wght.
2 1/2	2.68	1.17	2.48	1.52	0.55	0.39	0.510
4	4.13	1.83	3.90	2.48	0.87	0.67	1.845
63	68	29.7	63.0	38.5	14	10.0	0.230
100	105	46.5	99.0	63.0	22	17.0	0.835



Series 7210



Liquid Filled Pressure Gauges

Copper Alloy wetted parts
Stainless steel case
Case size 1 1/2" & 2"

ENFM's small liquid filled pressure gauges are suitable for a medium, which does not clog connection port or corrode copper alloy. These gauges are commonly used on heavy-duty service in industrial environments.

Standard gauge specifications

- Case:** Stainless steel AISI 304 with filling plug
- Bezel:** Crimped stainless steel AISI 304
- Dial:** White aluminum with black and blue scales
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** ≤ 600 psi : "C" shaped phosphor bronze,
> 600 psi : helical phosphor bronze
- Connection:** Brass with field removable .012 threaded snubber
- Movement:** Brass
- Liquid Filling:** Glycerin
- Weather protection:** IP 65
- Accuracy:** 1.6 % of span

Series	7211	7211	7211	7214	7214	7214
Case Size	1 1/2"	2"	2"	1 1/2"	2"	2"
Connection Size	1/8"NPT	1/8"NPT	1/4"NPT	1/8"NPT	1/8"NPT	1/4"NPT
Scale	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa
Article number	RV132A0K	RV132A1K	RV132A1N	RV132C0K	RV132C1K	RV132C1N
Pressure Range Code						
-30"Hg/0	000kg	000kg	000kg	000kg	000kg	000kg
-30"Hg/0/15psi	201kg	201kg	201kg	201kg	201kg	201kg
-30"Hg/0/30 psi	203kg	203kg	203kg	203kg	203kg	203kg
-30"Hg/0/60 psi	205kg	205kg	205kg	205kg	205kg	205kg
-30"Hg/0/100 psi	208kg	208kg	208kg	208kg	208kg	208kg
-30"Hg/0/150 psi	210kg	210kg	210kg	210kg	210kg	210kg
-30"Hg/0/200 psi	212kg	212kg	212kg	212kg	212kg	212kg
0-15 psi	301kg	301kg	301kg	301kg	301kg	301kg
0-30 psi	303kg	303kg	303kg	303kg	303kg	303kg
0-60 psi	306kg	306kg	306kg	306kg	306kg	306kg
0-100 psi	309kg	309kg	309kg	309kg	309kg	309kg
0-160 psi	312kg	312kg	312kg	312kg	312kg	312kg
0-200 psi	314kg	314kg	314kg	314kg	314kg	314kg
0-300 psi	317kg	317kg	317kg	317kg	317kg	317kg
0-400 psi	319kg	319kg	319kg	319kg	319kg	319kg
0-500 psi	320kg	320kg	320kg	320kg	320kg	320kg
0-600 psi	321kg	321kg	321kg	321kg	321kg	321kg
0-1000 psi	323kg	323kg	323kg	323kg	323kg	323kg
0-1500 psi	324kg	324kg	324kg	324kg	324kg	324kg
0-2000 psi	325kg	325kg	325kg	325kg	325kg	325kg
0-3000 psi	327kg	327kg	327kg	327kg	327kg	327kg
0-4000 psi	329kg	329kg	329kg	329kg	329kg	329kg
0-5000 psi	331kg	331kg	331kg	331kg	331kg	331kg
0-6000 psi	332kg	332kg	332kg	332kg	332kg	332kg
Mounting Options						
Frontflange 7216	-	-	-	RV132D0K	RV132D1K	RV132D1N
U Clamp 7217	-	-	-	RV132F0K	RV132F1K	RV132F1N

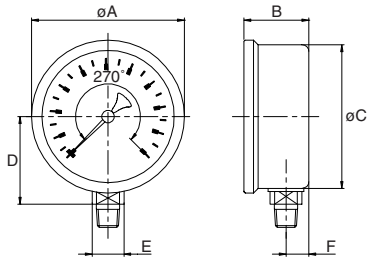
Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **RV132A0K000kg**

Sizes and weights series 7210

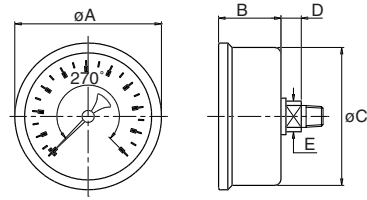


7211 bottom



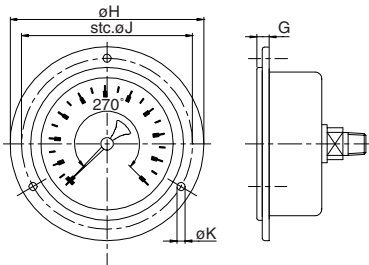
	Size	A	B	C	D	E	F	Wght.
inch	1 1/2	1.73	1.04	1.57	1.06	0.55	0.39	0.200
	2	2.09	1.06	1.97	1.24	0.55	0.39	0.290
mm	40	44	26.5	40	27.0	14	10	0.090
	50	53	27.0	50	31.5	14	10	0.130

7214 centerback



	Size	A	B	C	D	E	Wght.
inch	1 1/2	1.73	1.06	1.57	0.28	0.55	0.200
	2	2.09	1.08	1.97	0.28	0.55	0.300
mm	40	44	27.0	40	7.0	14	0.090
	50	53	27.5	50	7.0	14	0.135

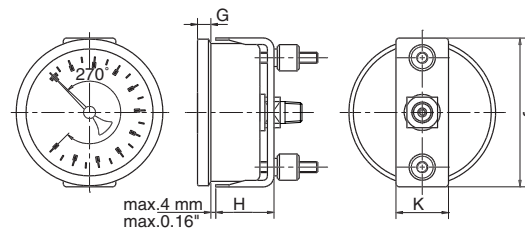
7216 frontflange



for other measurements see 7214

	Size	G	H	J	K	Wght.
inch	1 1/2	0.28	2.40	2.01	0.14	0.245
	2	0.28	2.80	2.36	0.14	0.335
mm	40	7	61	51	3.6	0.110
	50	7	71	60	3.6	0.150

7217 U-clamp steel, zinc plated



for other measurements see 7214

	Size	G	H	J	K	Wght.
inch	1 1/2	0.20	1.00	1.77	0.79	0.255
	2	0.20	1.04	2.17	0.94	0.335
mm	40	5	25.5	45	20	0.115
	50	5	26.5	55	24	0.150

Series 7210



Liquid Filled Pressure Gauges

Copper Alloy wetted parts

Stainless steel case

Case size 2 1/2" & 4"

ENFM's liquid filled pressure gauges are suitable for a medium, which does not clog connection port or corrode copper alloy. These gauges are commonly used on heavy-duty service in industrial environments.

Standard gauge specifications

- Case:** Stainless steel AISI 304 with filling plug
- Bezel:** Crimped Stainless steel AISI 304
- Dial:** White aluminum with black and blue scales
Black aluminum
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** ≤ 600 psi : "C" shaped phosphor bronze,
> 600 psi : helical phosphor bronze
> 6000 psi: helical Stainless steel AISI 316
- Connection:** Brass with field removable .012 threaded snubber
- Movement:** Brass
- Liquid Filling:** Glycerin
- Weather protection:** IP 65
- Accuracy:** 1.6 % of span (2 1/2")
1.0 % of span (4") ASME B40.1 Grade 1A

Series	7211	7211	7211	7211	7211	7214	7215
Case Size	2 1/2"	2 1/2"	4"	4"	4"	2 1/2"	4"
Connection Size	1/4"NPT	1/4"NPT	1/4"NPT	1/2"NPT	1/2"NPT	1/4"NPT	1/2"NPT
Scale	psi	psi/bar/kPa	psi/bar/kPa	psi	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa
Article number	RV132A3E	RV132A3N	RV132A5N	RV132A5H	RV132A5Q	RV132C3N	RV132G5Q
Pressure Range Code							
-30"Hg/0	000kb	000kg	000kg	000kb	000kg	000kg	000kg
-30"Hg/0/15psi	201kb	201kg	201kg	201kb	201kg	201kg	201kg
-30"Hg/0/30 psi	203kb	203kg	203kg	203kb	203kg	203kg	203kg
-30"Hg/0/60 psi	205kb	205kg	205kg	205kb	205kg	205kg	205kg
-30"Hg/0/100 psi	208kb	208kg	208kg	208kb	208kg	208kg	208kg
-30"Hg/0/150 psi	210kb	210kg	210kg	210kb	210kg	210kg	210kg
-30"Hg/0/200 psi	212kb	212kg	212kg	212kb	212kg	212kg	212kg
0-15 psi	301kb	301kg	301kg	301kb	301kg	301kg	301kg
0-30 psi	303kb	303kg	303kg	303kb	303kg	303kg	303kg
0-60 psi	306kb	306kg	306kg	306kb	306kg	306kg	306kg
0-100 psi	309kb	309kg	309kg	309kb	309kg	309kg	309kg
0-160 psi	312kb	312kg	312kg	312kb	312kg	312kg	312kg
0-200 psi	314kb	314kg	314kg	314kb	314kg	314kg	314kg
0-300 psi	317kb	317kg	317kg	317kb	317kg	317kg	317kg
0-400 psi	319kb	319kg	319kg	319kb	319kg	319kg	319kg
0-500 psi	320kb	320kg	320kg	320kb	320kg	320kg	320kg
0-600 psi	321kb	321kg	321kg	321kb	321kg	321kg	321kg
0-1000 psi	323kb	323kg	323kg	323kb	323kg	323kg	323kg
0-1500 psi	324kb	324kg	324kg	324kb	324kg	324kg	324kg
0-2000 psi	325kb	325kg	325kg	325kb	325kg	325kg	325kg
0-3000 psi	327kb	327kg	327kg	327kb	327kg	327kg	327kg
0-4000 psi	329kb	329kg	329kg	329kb	329kg	329kg	329kg
0-5000 psi	331kb	331kg	331kg	331kb	331kg	331kg	331kg
0-6000 psi	332kb	332kg	332kg	332kb	332kg	332kg	332kg
0-10000 psi	334kb	334kg	334kg	334kb	334kg	334kg*	334kg
0-15000 psi	335kb	335kg	335kg	335kb	335kg	335kg*	335kg
Mounting Options							
Backflange 7212	RV132B3E	RV132B3N	RV132B5N	RV132B5H	RV132B5Q	-	-
Frontflange 7216/8	-	-	-	-	-	RV132D3N	RV132H5Q
U Clamp 7217/9	-	-	-	-	-	RV132F3N	RV132J5Q

Items shown in bold are normally stocked items

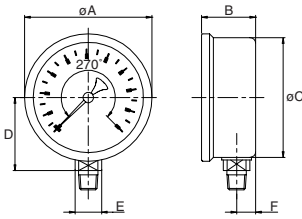
* design RV132G3N

To order, add pressure range code after article number, example: **RV132A3N000kg**

Sizes and weights series 7210

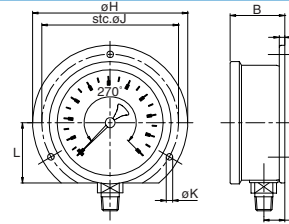


7211 bottom



Size	A	B	C	D	E	F	Wght.
2 1/2	2.64	1.12	2.48	1.52	0.55	0.39	0.430
4	4.09	1.77	3.90	2.48	0.87	0.67	1.810
63	67	28.5	68	38.5	14	10	0.195
100	104	45.0	99	63.0	22	17	0.820

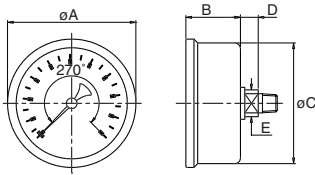
7212 backflange st. steel



for other measurements see 7211

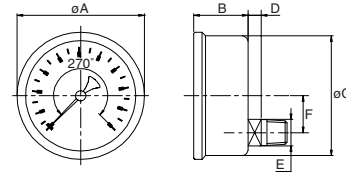
Size	B	F	G	H	J	K	L	Wght.
2 1/2	1.18	0.45	0.12	3.35	2.95	0.14	1.30	0.470
4	1.87	0.77	0.16	5.20	4.57	0.20	2.05	1.965
63	30.0	11.5	3	85	75	3.6	33	0.215
100	47.5	19.5	4	132	116	5.0	52	0.890

7214 centerback



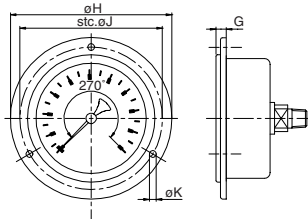
Size	A	B	C	D	E	Wght.
2 1/2	2.64	1.10	2.48	0.37	0.55	0.410
63	67	28.0	63	9.5	14	0.185

7215 lowerback



Size	A	B	C	D	E	F	Wght.
4	4.09	1.83	3.90	0.43	0.87	1.31	1.930
100	104	46.5	99	11	22	33.4	0.875

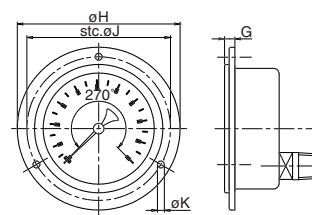
7216 frontflange



for other measurements see 7214

Size	G	H	J	K	Wght.
2 1/2	0.35	3.35	2.95	0.14	0.455
63	9	85	75	3.6	0.205

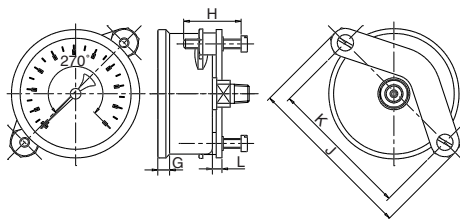
7218 frontflange



for other measurements see 7215

Size	G	H	J	K	Wght.
4	0.30	5.20	4.57	0.19	2.075
100	7.5	132	116	4.8	0.940

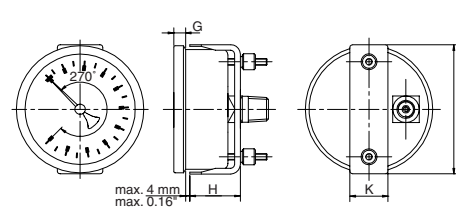
7217 U-clamp steel, zinc plated



for other measurements see 7214

Size	G	H	J	K	L	Wght.
2 1/2	0.24	1.18	3.48	2.89	0.20	0.530
63	6	30	88.5	73.5	5	0.240

7219 U-clamp steel, zinc plated



for other measurements see 7215

Size	G	H	J	K	Wght.
4	0.24	1.73	4.17	0.98	2.095
100	6	44	106	25	0.950

Series 7210SAE

Liquid Filled Pressure Gauges

Copper Alloy wetted parts
Stainless steel case
Case size 2 1/2"
SAE 7/16" - 20 Threads

ENFM's liquid filled pressure gauges with SAE 7/16" - 20 threads are suitable for a medium, which does not clog connection port or corrode copper alloy. These gauges are commonly used on heavy-duty hydraulic applications.

Standard gauge specifications

- Case:** Stainless steel AISI 304 with filling plug
- Bezel:** Crimped stainless steel AISI 304
- Dial:** White aluminum with black and blue scales
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** ≤ 600 psi : "C" shaped phosphor bronze,
 > 600 psi : helical phosphor bronze
 > 6000 psi: helical Stainless steel AISI 316
- Connection:** Brass with field removable .012 threaded snubber, with washer, nut and Viton O-ring
- Movement:** Brass
- Liquid filling:** Glycerin
- Weather protection:** IP 65
- Accuracy:** 1.6 % of span

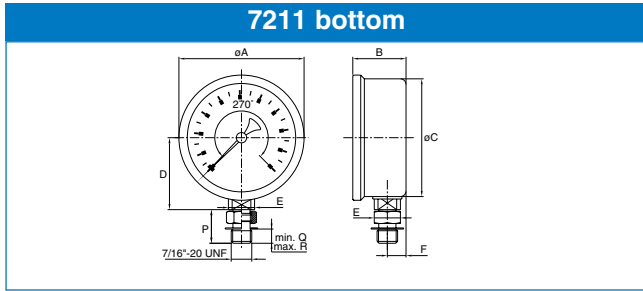


Series	7211	7214
Case Size	2 1/2"	2 1/2"
Connection Size	SAE 7/16"20	SAE 7/16"20
Scale	psi/bar/kPa	psi/bar/kPa
Article number	RV132A3Z	RV132C3Z
Pressure Range Code		
0-100 psi	309kg	309kg
0-160 psi	312kg	312kg
0-200 psi	314kg	314kg
0-300 psi	317kg	317kg
0-400 psi	319kg	319kg
0-500 psi	320kg	320kg
0-600 psi	321kg	321kg
0-1000 psi	323kg	323kg
0-1500 psi	324kg	324kg
0-2000 psi	325kg	325kg
0-3000 psi	327kg	327kg
0-4000 psi	329kg	329kg
0-5000 psi	331kg	331kg
0-6000 psi	332kg	332kg
0-10000 psi	334kg	-
0-15000 psi	335kg	-
Mounting Options		
Backflange 7212	RV132B3Z	-
Frontflange 7216	-	RV132D3Z
U Clamp 7217	-	RV132F3Z

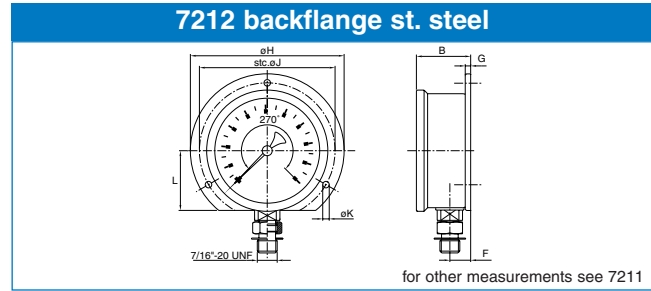
Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **RV132A3Z309kg**

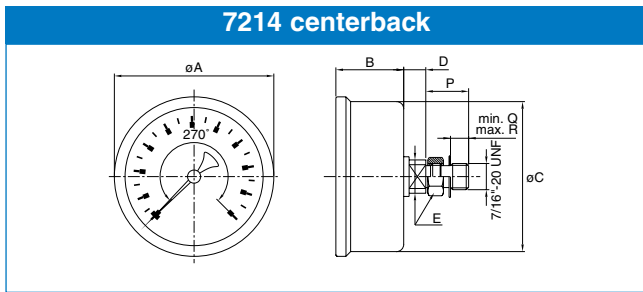
Sizes and weights series 7210SAE



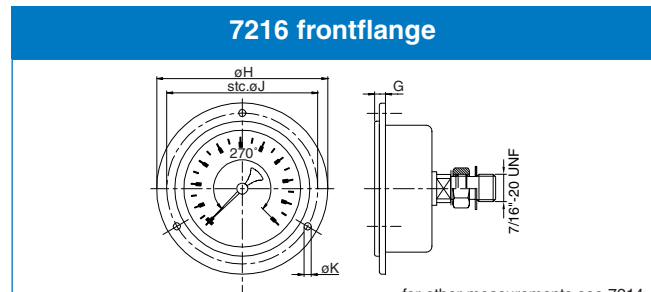
Size	A	B	C	D	E	F	P	Q	R	Wght.
2 1/2	2.64	1.12	2.48	1.52	0.55	0.39	0.71	0.30	0.42	0.430
63	67	28.5	63	38.5	14	10	18	7.6	10.7	0.195



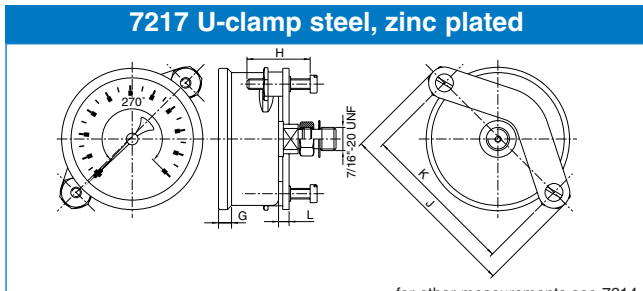
Size	B	F	G	H	J	K	L	Wght.
2 1/2	1.18	0.45	0.12	3.35	2.95	0.14	1.30	0.475
63	30.0	11.5	3	85	75	3.6	33	0.215



Size	A	B	C	D	E	P	Q	R	Wght.
2 1/2	2.64	1.10	2.48	0.37	0.55	0.71	0.30	0.42	0.410
63	67	28	63	9.5	14	18	7.6	10.7	0.185



Size	G	H	J	K	Wght.
2 1/2	0.35	3.35	2.95	0.14	0.455
63	9	85	75	3.6	0.205



Size	G	H	J	K	L	Wght.
2 1/2	0.24	1.18	3.48	2.89	0.20	0.530
63	6	30	88.5	73.5	5	0.240

Series 6210



Liquid Filled Standard Pressure Gauges

Copper Alloy wetted parts
Stainless steel case
Case size 4"

ENFM's liquid filled pressure gauges are suitable for a medium, which does not clog connection port or corrode copper alloy. These gauges are commonly used on heavy-duty service in industrial environments.

Standard gauge specifications

- Case:** Stainless steel AISI 304 with filling plug
- Bezel:** Crimped stainless steel AISI 304
- Dial:** White aluminum with black and blue scales
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** ≤ 600 psi : "C" shaped phosphor bronze,
 > 600 psi : helical phosphor bronze
 > 6000 psi: helical Stainless steel AISI 316
- Connection:** Brass with field removable .012 threaded snubber
- Movement:** Brass
- Liquid filling:** Glycerin
- Weather protection:** IP 65
- Accuracy:** 2-1-2 % of span ASME B40.1 Grade A

Series	6211	6214	6211	6214
Case Size	4"	4"	4"	4"
Connection Size	1/4"NPT	1/4"NPT	1/4"NPT	1/4"NPT
Scale	psi	psi	psi/bar/kPa	psi/bar/kPa
Article number	NV132A5N	NV132C5N	NV132A5N	NV132C5N
Pressure Range Code				
-30"Hg/0	000kb	000kb	000kg	000kg
-30"Hg/0/15psi	201kb	201kb	201kg	201kg
-30"Hg/0/30 psi	203kb	203kb	203kg	203kg
-30"Hg/0/60 psi	205kb	205kb	205kg	205kg
-30"Hg/0/100 psi	208kb	208kb	208kg	208kg
-30"Hg/0/150 psi	210kb	210kb	210kg	210kg
-30"Hg/0/200 psi	212kb	212kb	212kg	212kg
0-15 psi	301kb	301kb	301kg	301kg
0-30 psi	303kb	303kb	303kg	303kg
0-60 psi	306kb	306kb	306kg	306kg
0-100 psi	309kb	309kb	309kg	309kg
0-160 psi	312kb	312kb	312kg	312kg
0-200 psi	314kb	314kb	314kg	314kg
0-300 psi	317kb	317kb	317kg	317kg
0-400 psi	319kb	319kb	319kg	319kg
0-500 psi	320kb	320kb	320kg	320kg
0-600 psi	321kb	321kb	321kg	321kg
0-1000 psi	323kb	323kb	323kg	323kg
0-1500 psi	324kb	324kb	324kg	324kg
0-2000 psi	325kb	325kb	325kg	325kg
0-3000 psi	327kb	327kb	327kg	327kg
0-4000 psi	329kb	329kb	329kg	329kg
0-5000 psi	331kb	331kb	331kg	331kg
0-6000 psi	332kb	332kb	332kg	332kg
0-10000 psi	334kb	334kb*	334kg	334kg*
0-15000 psi	335kb	335kb*	335kg	335kg*
Mounting Options				
Backflange 6212	NV132B5N	-	NV132B5N	-
Frontflange 6216	-	NV132D5N	-	NV132D5N
U Clamp 6217	-	NV132F5N	-	NV132F5N

Items shown in **bold** are normally stocked items

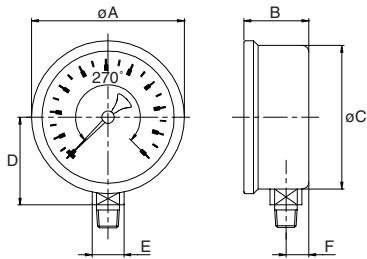
* design NV132G5N

To order, add pressure range code after article number, example: **NV132A5N000kg**

Sizes and weights series 6210

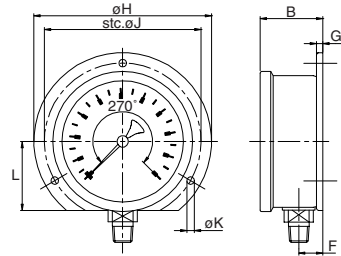


6211 bottom



Size	A	B	C	D	E	F	Wght.
4	4.09	1.16	3.90	2.24	0.55	0.39	1.015
100	104	29.5	99	57.0	14	10	0.460

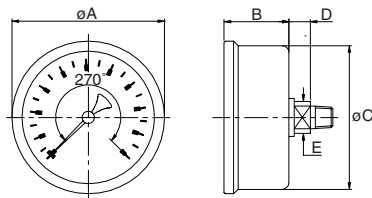
6212 backflange



for other measurements see 6211

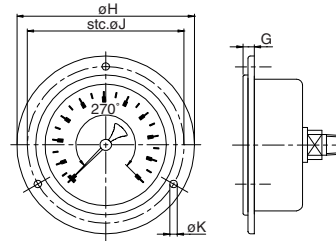
Size	B	F	G	H	J	K	L	Wght.
4	1.26	0.49	0.16	5.20	4.57	0.20	2.05	1.205
100	32.0	12.5	4	132	116	5.0	52	0.545

6214 centerback



Size	A	B	C	D	E	Wght.
4	4.09	1.18	3.90	0.41	0.55	0.970
100	104	30.0	99	10.5	14	0.440

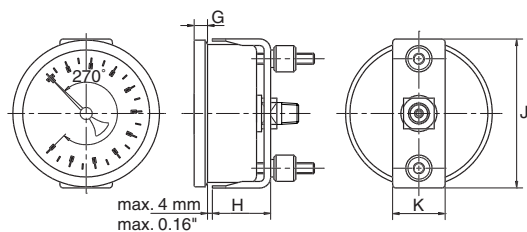
6216 frontflange



for other measurements see 6214

Size	G	H	J	K	Wght.
4	0.37	5.20	4.57	0.19	1.170
100	9.5	132	116	4.8	0.530

6217 U-clamp steel, zinc plated



max. 4 mm
max. 0.16"

for other measurements see 6214

Size	G	H	J	K	Wght.
4	0.24	1.16	4.13	0.98	1.125
100	6	29.5	105	25	0.510

Series 7710



Liquid Filled Industrial Pressure Gauges

Copper Alloy wetted parts
Stainless steel case & Bayonet ring
Case size 4" & 6"

ENFM industrial pressure gauges are suitable for a medium, which does not clog connection port or corrode copper alloy. These gauges are commonly used on heavy-duty service in industrial environments and ideal for applications requiring reading from a distance.

Standard gauge specifications

- Case:** Stainless steel AISI 304 with blow out and filling plug
- Bezel:** Stainless steel AISI 304 polished bayonet
- Dial:** White aluminum with black and blue scales
- Pointer:** Black aluminum, adjustable
- Window:** Acrylic
- Bourdon tube:** ≤ 600 psi : "C" shaped phosphor bronze,
 > 600 psi : helical phosphor bronze
 > 6000 psi: helical Stainless steel AISI 316
- Connection:** Brass with field removable .012 threaded snubber
- Movement:** Brass with overload protection
- Liquid filling:** Glycerin
- Weather protection:** IP 65
- Accuracy:** 1.0 % of span ASME B40.1 Grade 1A

Series	7711	7711	7711	7715	7715	7715
Case Size	4"	4"	6"	4"	4"	6"
Connection Size	1/4"NPT	1/2"NPT	1/2"NPT	1/4"NPT	1/2"NPT	1/4"NPT
Scale	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa	psi/bar/kPa
Article number	RV166A5N	RV166A5Q	RV166A6Q	RV166G5N	RV166G5Q	RV166G6Q
Pressure Range Code						
-30"Hg/0	000kg	000kg	000kg	000kg	000kg	000kg
-30"Hg/0/15psi	201kg	201kg	201kg	201kg	201kg	201kg
-30"Hg/0/30 psi	203kg	203kg	203kg	203kg	203kg	203kg
-30"Hg/0/60 psi	205kg	205kg	205kg	205kg	205kg	205kg
-30"Hg/0/100 psi	208kg	208kg	208kg	208kg	208kg	208kg
-30"Hg/0/150 psi	210kg	210kg	210kg	210kg	210kg	210kg
-30"Hg/0/200 psi	212kg	212kg	212kg	212kg	212kg	212kg
0-15 psi	301kg	301kg	301kg	301kg	301kg	301kg
0-30 psi	303kg	303kg	303kg	303kg	303kg	303kg
0-60 psi	306kg	306kg	306kg	306kg	306kg	306kg
0-100 psi	309kg	309kg	309kg	309kg	309kg	309kg
0-160 psi	312kg	312kg	312kg	312kg	312kg	312kg
0-200 psi	314kg	314kg	314kg	314kg	314kg	314kg
0-300 psi	317kg	317kg	317kg	317kg	317kg	317kg
0-400 psi	319kg	319kg	319kg	319kg	319kg	319kg
0-500 psi	320kg	320kg	320kg	320kg	320kg	320kg
0-600 psi	321kg	321kg	321kg	321kg	321kg	321kg
0-1000 psi	323kg	323kg	323kg	323kg	323kg	323kg
0-1500 psi	324kg	324kg	324kg	324kg	324kg	324kg
0-2000 psi	325kg	325kg	325kg	325kg	325kg	325kg
0-3000 psi	327kg	327kg	327kg	327kg	327kg	327kg
0-4000 psi	329kg	329kg	329kg	329kg	329kg	329kg
0-5000 psi	331kg	331kg	331kg	331kg	331kg	331kg
0-6000 psi	332kg	332kg	332kg	332kg	332kg	332kg
0-10000 psi	334kg	334kg	334kg	334kg	334kg	334kg
0-15000 psi	335kg	335kg	335kg	335kg	335kg	335kg
Mounting Options						
Backflange 7712	RV166B5N	RV166B5Q	RV166B6Q	-	-	-
Frontflange 7718	-	-	-	RV166H5N	RV166H5Q	RV166H6Q
U Clamp 7719	-	-	-	RV166J5N	RV166J5Q	RV166J6Q

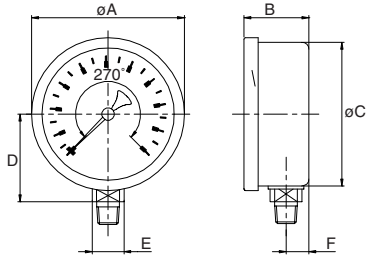
Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **RV166A5E000kg**

Sizes and weights series 7710

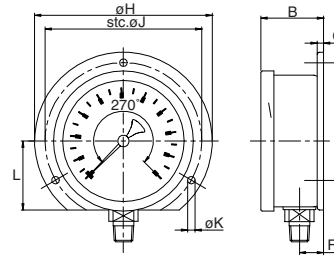


7711 bottom



Size	A	B	C	D	E	F	Wght.
4	4.13	1.83	3.90	2.48	0.87	0.67	1.845
6	6.22	2.17	5.85	3.62	0.87	0.77	4.410
100	105	46.5	99.0	63	22	17.0	0.835
150	158	55.0	148.5	92	22	19.5	2.000

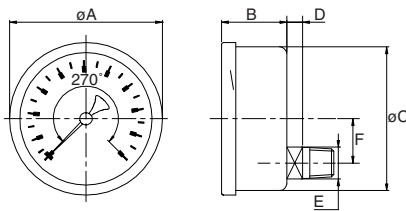
7712 backflange st. steel



for other measurements see 7711

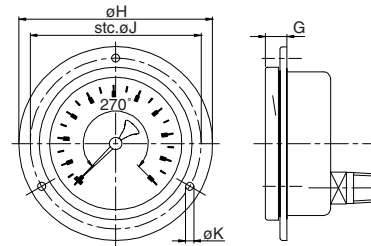
Size	B	F	G	H	J	K	L	Wght.
4	1.93	0.77	0.16	5.20	4.57	0.20	2.05	1.995
6	2.34	0.94	0.24	7.32	6.61	0.24	3.07	4.895
100	49.0	19.5	4	132	116	5.0	52	0.905
150	59.5	24.0	6	186	168	6.0	78	2.220

7715 lowerback



Size	A	B	C	D	E	F	Wght.
4	4.13	1.89	3.90	0.43	0.87	1.31	1.965
6	6.22	2.17	5.85	0.67	0.87	2.07	4.850
100	105	48	99.0	11	22	33.4	0.890
150	158	55	148.5	17	22	52.5	2.200

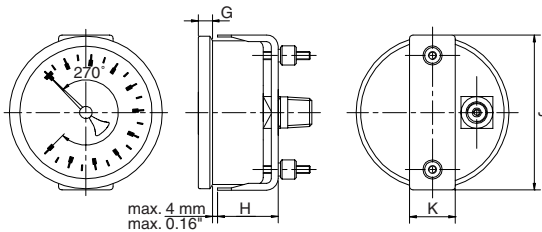
7718 frontflange



for other measurements see 7715

Size	G	H	J	K	Wght.
4	0.53	5.20	4.57	0.19	2.105
6	0.83	7.32	6.61	0.24	5.295
100	13.5	132	116	4.8	0.955
150	21.0	186	168	6.0	2.400

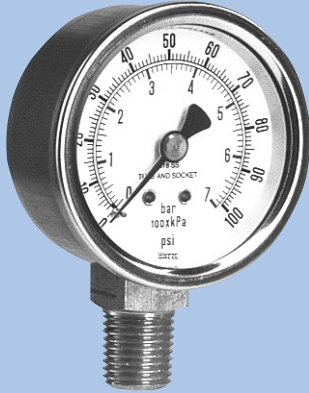
7719 U-clamp steel, zinc plated



for other measurements see 7715

Size	G	H	J	K	Wght.
4	0.39	1.73	4.17	0.98	2.130
6	0.51	1.93	6.61	0.98	5.510
100	10	44	106	25	0.965
150	13	49	168	25	2.500

Series 7020



Stainless Steel Pressure Gauges

Stainless steel wetted parts
 Stainless steel case, dry design
 Case size 2"

ENFM's small stainless steel pressure gauges are suitable for a medium, which does not clog connection port or corrode stainless steel. These gauges are commonly used on heavy-duty service in industrial environments.

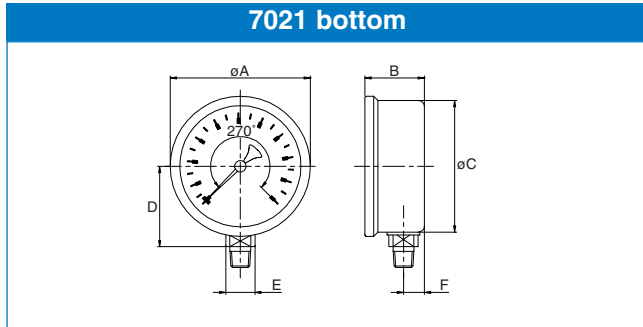
Standard gauge specifications

Case:	Stainless steel AISI 304
Bezel:	Crimped Stainless steel AISI 304
Dial:	White aluminum with black and blue scales
Pointer:	Black aluminum
Window:	Acrylic
Bourdon tube:	≤ 600 psi : "C" shaped AISI 316,
Connection:	Stainless steel AISI 316
Movement:	Stainless steel
Weather protection:	IP 43
Accuracy:	2.5 % of span

Series	7021	7021
Size	2"	2"
Connection Size	1/8"NPT	1/4"NPT
Scale	psi/bar/kPa	psi/bar/kPa
Article number	RD232A1B	RD232A1E
Pressure Range Code		
-30"Hg/0	000kg	000kg
-30"Hg/0/15psi	201kg	201kg
-30"Hg/0/30 psi	203kg	203kg
-30"Hg/0/60 psi	205kg	205kg
-30"Hg/0/100 psi	208kg	208kg
-30"Hg/0/150 psi	210kg	210kg
-30"Hg/0/200 psi	212kg	212kg
0-15 psi	301kg	301kg
0-30 psi	303kg	303kg
0-60 psi	306kg	306kg
0-100 psi	309kg	309kg
0-160 psi	312kg	312kg
0-200 psi	314kg	314kg
0-300 psi	317kg	317kg
0-400 psi	319kg	319kg
0-500 psi	320kg	320kg
0-600 psi	321kg	321kg

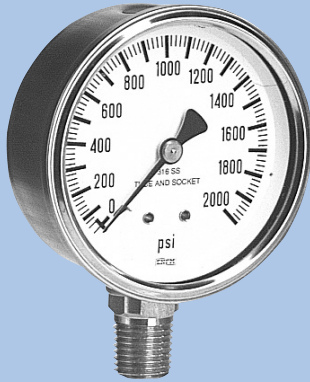
Items shown in **bold** are normally stocked items

Sizes and weights series 7020



	Size	A	B	C	D	E	F	Wght.
inch	2	2.09	1.06	1.97	1.24	0.55	0.39	0.190
mm	50	53	27.0	50	31.5	14	10	0.084

Series 7120



Field Fillable Stainless Steel Pressure Gauges

Stainless steel wetted parts
Stainless steel case
Case size 2 1/2"

ENFM's stainless steel pressure gauges are suitable for a medium, which does not clog connection port or corrode stainless steel. These gauges are commonly used on heavy-duty service in industrial environments. The gauges can be liquid-filled in the field.

Standard gauge specifications

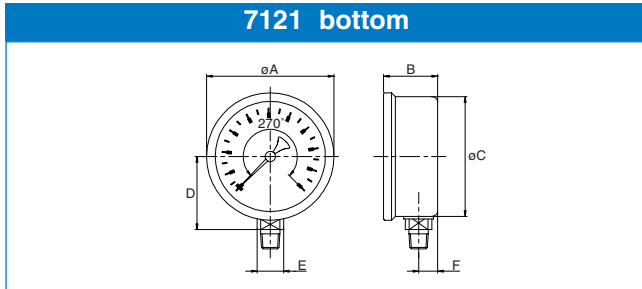
- Case:** Stainless steel AISI 304 with filling plug
- Bezel:** Crimped stainless steel AISI 304
- Dial:** White aluminum with black or black and blue scales
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** ≤ 600 psi : "C" shaped AISI 316
> 600 psi : helical AISI 316
- Connection:** Stainless steel AISI 316
- Movement:** Stainless steel
- Weather protection:** IP 54
- Accuracy:** 1.6 % of span

Series	7121	7125	7121	7125
Case Size	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Connection Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Scale	psi	psi	psi/bar/kPa	psi/bar/kPa
Article number	RW232A3E	RW232G3E	RW232A3E	RW232G3E
Pressure Range Code				
-30"Hg/0	000kb	000kb	000kg	000kg
-30"Hg/0/15psi	201kb	201kb	201kg	201kg
-30"Hg/0/30 psi	203kb	203kb	203kg	203kg
-30"Hg/0/60 psi	205kb	205kb	205kg	205kg
-30"Hg/0/100 psi	208kb	208kb	208kg	208kg
-30"Hg/0/150 psi	210kb	210kb	210kg	210kg
-30"Hg/0/200 psi	212kb	212kb	212kg	212kg
0-15 psi	301kb	301kb	301kg	301kg
0-30 psi	303kb	303kb	303kg	303kg
0-60 psi	306kb	306kb	306kg	306kg
0-100 psi	309kb	309kb	309kg	309kg
0-160 psi	312kb	312kb	312kg	312kg
0-200 psi	314kb	314kb	314kg	314kg
0-300 psi	317kb	317kb	317kg	317kg
0-400 psi	319kb	319kb	319kg	319kg
0-500 psi	320kb	320kb	320kg	320kg
0-600 psi	321kb	321kb	321kg	321kg
0-1000 psi	323kb	323kb	323kg	323kg
0-1500 psi	324kb	324kb	324kg	324kg
0-2000 psi	325kb	325kb	325kg	325kg
0-3000 psi	327kb	327kb	327kg	327kg
0-4000 psi	329kb	329kb	329kg	329kg
0-5000 psi	331kb	331kb	331kg	331kg
0-6000 psi	332kb	332kb	332kg	332kg
0-10000 psi	334kb	334kb	334kg	334kg
0-15000 psi	335kb	335kb	335kg	335kg
Mounting Options				
Backflange 7122	RW232B3E	-	RW232B3E	-
Frontflange 7128	-	RW232H3E	-	RW232H3E
U Clamp 7129	-	RW232J3E	-	RW232J3E

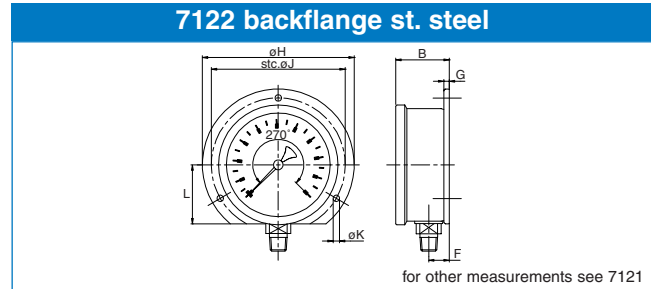
Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **RW232A3E000kb**

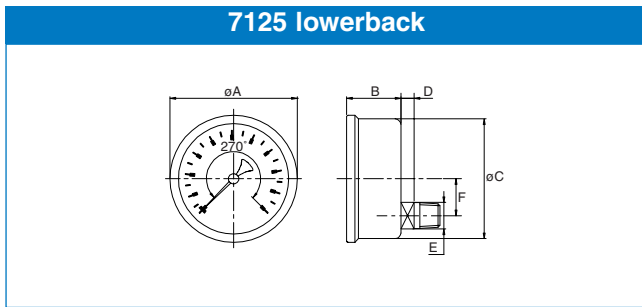
Sizes and weights series 7120



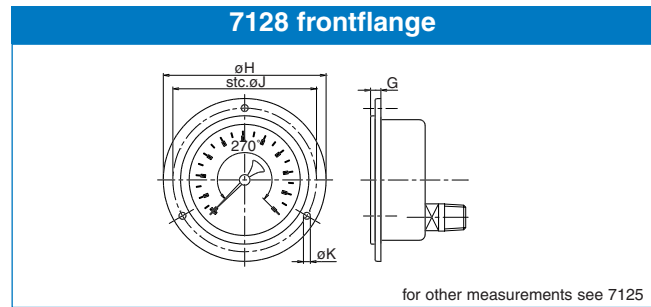
	Size	A	B	C	D	E	F	Wght.
inch	2 1/2	2.64	1.12	2.48	1.52	0.55	0.39	0.265
mm	63	67	28.5	63	38.5	14	10	0.120



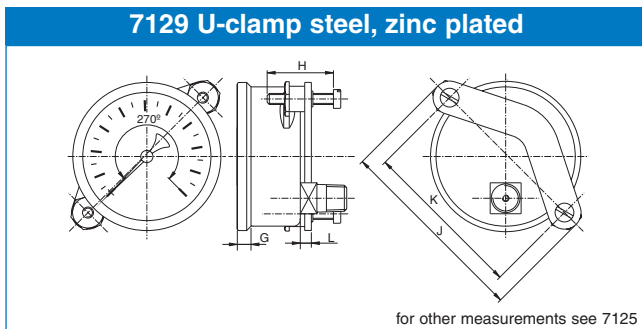
	Size	B	F	G	H	J	K	L	Wght.
inch	2 1/2	1.18	0.45	0.12	3.35	2.95	0.14	1.30	0.310
mm	63	30.0	11.5	3	85	75	3.6	33	0.140



	Size	A	B	C	D	E	F	Wght.
inch	2 1/2	2.64	1.10	2.48	0.28	0.55	0.77	0.310
mm	63	67	28.0	63	7	14	19.5	0.140



	Size	G	H	J	K	Wght.
inch	2 1/2	0.35	3.35	2.95	0.14	0.365
mm	63	9	85	75	3.6	0.165



	Size	G	H	J	K	L	Wght.
inch	2 1/2	0.24	1.18	3.48	2.89	0.20	0.430
mm	63	6	30	88.5	73.5	5	0.195

Series 7620



Field Fillable Stainless Steel Pressure Gauges

Stainless steel wetted parts
Stainless steel case & bayonet ring
Case size 2 1/2", 4" & 6"

ENFM's stainless steel pressure gauges are suitable for a medium, which does not clog connection port or corrode stainless steel. These gauges are commonly used on heavy-duty or severe service in industrial environments. The gauges have a bayonet ring, adjustable pointer, laminated safety glass window and can be liquid filled in the field.

Standard gauge specifications

- Case:** Stainless steel AISI 304 with blow out plug and filling plug
- Bezel:** Stainless steel AISI 304 polished bayonet ring
- Dial:** White aluminum with black scales
- Pointer:** Black aluminum, adjustable
- Window:** Laminated safety glass
- Bourdon tube:** ≤ 600 psi : "C" shaped AISI 316, > 600 psi : helical AISI 316
- Connection:** Stainless steel AISI 316
- Movement:** Stainless steel with mechanical underload/overload stop (4" & 6")
- Weather protection:** IP 54
- Accuracy:** 1.6 % of span (2 1/2")
1.0 % of span 4" & 6" ASME B40.1 Grade 1A

Series	7621	7621	7621	7621	7625	7625	7625
Case Size	2 1/2"	4"	4"	6"	2 1/2"	4"	6"
Connection Size	1/4"NPT	1/4"NPT	1/2"NPT	1/2"NPT	1/4"NPT	1/2"NPT	1/2"NPT
Scale	psi psi/bar/kpa	psi psi/bar/kpa	psi psi/bar/kpa	psi psi/bar/kpa	psi psi/bar/kpa	psi psi/bar/kpa	psi psi/bar/kpa
Article number	RW266A3E	RW266A5E	RW266A5H	RW266A6H	RW266G3E	RW266G5H	RW266G6H
Pressure Range Code							
-30"Hg/0	000vb 000vg	000vb 000vg	000vb 000vg	000vb 000vg	000vb 000vg	000vb 000vg	000vb 000vg
-30"Hg/0/15psi	201vb 201vg	201vb 201vg	201vb 201vg	201vb 201vg	201vb 201vg	201vb 201vg	201vb 201vg
-30"Hg/0/30 psi	203vb 203vg	203vb 203vg	203vb 203vg	203vb 203vg	203vb 203vg	203vb 203vg	203vb 203vg
-30"Hg/0/60 psi	205vb 205vg	205vb 205vg	205vb 205vg	205vb 205vg	205vb 205vg	205vb 205vg	205vb 205vg
-30"Hg/0/100 psi	208vb 208vg	208vb 208vg	208vb 208vg	208vb 208vg	208vb 208vg	208vb 208vg	208vb 208vg
-30"Hg/0/150 psi	210vb 210vg	210vb 210vg	210vb 210vg	210vb 210vg	210vb 210vg	210vb 210vg	210vb 210vg
-30"Hg/0/200 psi	212vb 212vg	212vb 212vg	212vb 212vg	212vb 212vg	212vb 212vg	212vb 212vg	212vb 212vg
0-15 psi	301vb 301vg	301vb 301vg	301vb 301vg	301vb 301vg	301vb 301vg	301vb 301vg	301vb 301vg
0-30 psi	303vb 303vg	303vb 303vg	303vb 303vg	303vb 303vg	303vb 303vg	303vb 303vg	303vb 303vg
0-60 psi	306vb 306vg	306vb 306vg	306vb 306vg	306vb 306vg	306vb 306vg	306vb 306vg	306vb 306vg
0-100 psi	309vb 309vg	309vb 309vg	309vb 309vg	309vb 309vg	309vb 309vg	309vb 309vg	309vb 309vg
0-160 psi	312vb 312vg	312vb 312vg	312vb 312vg	312vb 312vg	312vb 312vg	312vb 312vg	312vb 312vg
0-200 psi	314vb 314vg	314vb 314vg	314vb 314vg	314vb 314vg	314vb 314vg	314vb 314vg	314vb 314vg
0-300 psi	317vb 317vg	317vb 317vg	317vb 317vg	317vb 317vg	317vb 317vg	317vb 317vg	317vb 317vg
0-400 psi	319vb 319vg	319vb 319vg	319vb 319vg	319vb 319vg	319vb 319vg	319vb 319vg	319vb 319vg
0-500 psi	320vb 320vg	320vb 320vg	320vb 320vg	320vb 320vg	320vb 320vg	320vb 320vg	320vb 320vg
0-600 psi	321vb 321vg	321vb 321vg	321vb 321vg	321vb 321vg	321vb 321vg	321vb 321vg	321vb 321vg
0-1000 psi	323vb 323vg	323vb 323vg	323vb 323vg	323vb 323vg	323vb 323vg	323vb 323vg	323vb 323vg
0-1500 psi	324vb 324vg	324vb 324vg	324vb 324vg	324vb 324vg	324vb 324vg	324vb 324vg	324vb 324vg
0-2000 psi	325vb 325vg	325vb 325vg	325vb 325vg	325vb 325vg	325vb 325vg	325vb 325vg	325vb 325vg
0-3000 psi	327vb 327vg	327vb 327vg	327vb 327vg	327vb 327vg	327vb 327vg	327vb 327vg	327vb 327vg
0-4000 psi	329vb 329vg	329vb 329vg	329vb 329vg	329vb 329vg	329vb 329vg	329vb 329vg	329vb 329vg
0-5000 psi	331vb 331vg	331vb 331vg	331vb 331vg	331vb 331vg	331vb 331vg	331vb 331vg	331vb 331vg
0-6000 psi	332vb 332vg	332vb 332vg	332vb 332vg	332vb 332vg	332vb 332vg	332vb 332vg	332vb 332vg
0-10000 psi	334vb 334vg	334vb 334vg	334vb 334vg	334vb 334vg	334vb 334vg	334vb 334vg	334vb 334vg
0-15000 psi	335vb 335vg	335vb 335vg	335vb 335vg	335vb 335vg	335vb 335vg	335vb 335vg	335vb 335vg
Mounting Options							
Backflange 7622	RW266B3E	RW266B5E	RW266B5H	RW266B6H	-	-	-
Frontflange 7628	-	-	-	-	RW266H3E	RW266H5H	RW266H6H
U Clamp 7629	-	-	-	-	RW266J3E	RW266J5H	RW266J6H

Items shown in **bold** are normally stocked items

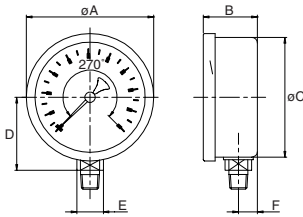
Options: Internals of monel (RW666...), only 4" & 6".

To order, add pressure range code after article number, example: **RW266A3E000vb**

Sizes and weights series 7620

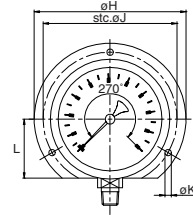


7621 bottom



Size	A	B	C	D	E	F	Wght.
2 1/2	2.68	1.17	2.48	1.52	0.55	0.39	0.345
4	4.13	1.83	3.90	2.48	0.87	0.67	1.190
6	6.22	2.17	5.85	3.62	0.87	0.77	2.425
63	68	29.7	63.0	38.5	14	10.0	0.155
100	105	46.5	99.0	63.0	22	17.0	0.540
150	158	55.0	148.5	92.0	22	19.5	1.100

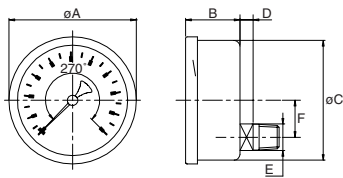
7622 backflange st. steel



for other measurements see 7621

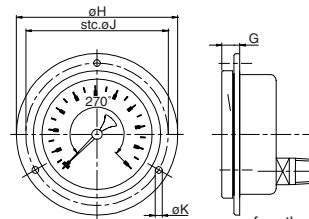
Size	B	F	G	H	J	K	L	Wght.
2 1/2	1.23	0.45	0.12	3.35	2.95	0.14	1.30	0.390
4	1.93	0.77	0.16	5.20	4.57	0.20	2.05	1.345
6	2.34	0.94	0.24	7.32	6.61	0.24	3.07	2.935
63	31.2	11.5	3	85	75	3.6	33	0.175
100	49.0	19.5	4	132	116	5.0	52	0.610
150	59.5	24.0	6	186	168	6.0	78	1.330

7625 lowerback



Size	A	B	C	D	E	F	Wght.
2 1/2	2.67	1.15	2.48	0.28	0.55	0.77	0.345
4	4.13	1.89	3.90	0.43	0.87	1.31	1.280
6	6.22	2.17	5.85	0.67	0.87	2.07	2.890
63	68	29.2	63.0	7	14	19.5	0.155
100	105	48.0	99.0	11	22	33.4	0.580
150	158	55.0	148.5	17	22	52.5	1.310

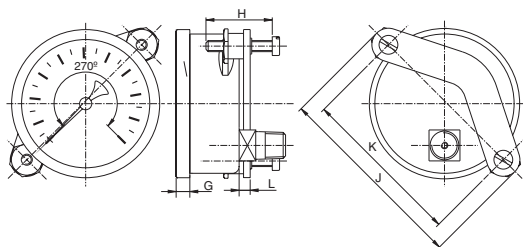
7628 frontflange



for other measurements see 7625

Size	G	H	J	K	Wght.
2 1/2	0.43	3.35	2.95	0.14	0.400
4	0.53	5.20	4.57	0.19	1.425
6	0.83	7.32	6.61	0.24	3.350
63	11.0	85	75	3.6	0.180
100	13.5	132	116	4.8	0.645
150	21.0	186	168	6.0	1.520

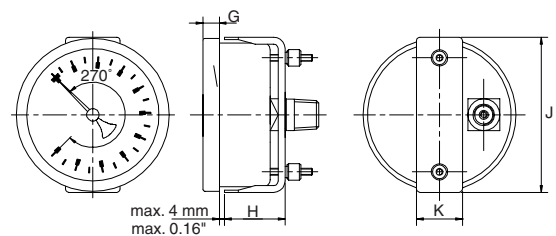
7629 U-clamp steel, zinc plated



for other measurements see 7625

Size	G	H	J	K	L	Wght.
2 1/2	0.24	1.18	3.48	2.89	0.20	0.465
63	6	30	88.5	73.5	5	0.210

7629 U-clamp steel, zinc plated



for other measurements see 7625

Size	G	H	J	K	Wght.
4	0.39	1.73	4.17	0.98	1.430
6	0.51	1.99	6.61	0.98	3.230
100	10	44	106	25	0.650
150	13	49	168	25	1.890

Series 6220



Liquid Filled Standard Pressure Gauges

Stainless steel wetted parts

Stainless steel case

Case size 4"

ENFM's liquid filled stainless steel pressure gauges are suitable for a medium, which does not clog connection port or corrode stainless steel. These gauges are commonly used on heavy-duty service in industrial environments.

Standard gauge specifications

- Case:** Stainless steel AISI 304 with filling plug
- Bezel:** Crimped stainless steel AISI 304
- Dial:** White aluminum with black and blue scales
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** ≤ 600 psi : "C" shaped AISI 316,
> 600 psi : helical AISI 316
- Connection:** Stainless steel AISI 316 with field removable .012 threaded snubber
- Movement:** Stainless steel
- Liquid filling:** Glycerin
- Weather protection:** IP 65
- Accuracy:** 2-1-2 % of span ASME B40.1 Grade A

Series	6221	6221	6225	6225
Case Size	4"	4"	4"	4"
Connection Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Scale	psi	psi/bar/kPa	psi	psi/bar/kPa
Article number	NV232A5N	NV232A5N	NV232G5N	NV232G5N
Pressure Range Code				
-30"Hg/0	000kb	000kg	000kb	000kg
-30"Hg/0/15psi	201kb	201kg	201kb	201kg
-30"Hg/0/30 psi	203kb	203kg	203kb	203kg
-30"Hg/0/60 psi	205kb	205kg	205kb	205kg
-30"Hg/0/100 psi	208kb	208kg	208kb	208kg
-30"Hg/0/150 psi	210kb	210kg	210kb	210kg
-30"Hg/0/200 psi	212kb	212kg	212kb	212kg
0-15 psi	301kb	301kg	301kb	301kg
0-30 psi	303kb	303kg	303kb	303kg
0-60 psi	306kb	306kg	306kb	306kg
0-100 psi	309kb	309kg	309kb	309kg
0-160 psi	312kb	312kg	312kb	312kg
0-200 psi	314kb	314kg	314kb	314kg
0-300 psi	317kb	317kg	317kb	317kg
0-400 psi	319kb	319kg	319kb	319kg
0-500 psi	320kb	320kg	320kb	320kg
0-600 psi	321kb	321kg	321kb	321kg
0-1000 psi	323kb	323kg	323kb	323kg
0-1500 psi	324kb	324kg	324kb	324kg
0-2000 psi	325kb	325kg	325kb	325kg
0-3000 psi	327kb	327kg	327kb	327kg
0-4000 psi	329kb	329kg	329kb	329kg
0-5000 psi	331kb	331kg	331kb	331kg
0-6000 psi	332kb	332kg	332kb	332kg
0-10000 psi	334kb	334kg	334kb	334kg
0-15000 psi	335kb	335kg	335kb	335kg
Mounting Options				
Backflange 6222	NV232B5N	NV232B5N	-	-
Frontflange 6228	-	-	NV232H5N	NV232H5N
U Clamp 6229	-	-	NV232J5N	NV232J5N

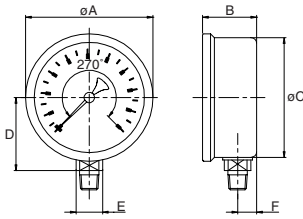
Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **NV232A5N000kg**

Sizes and weights series 6220

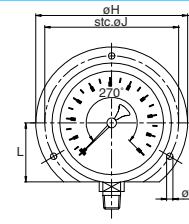


6221 bottom



	Size	A	B	C	D	E	F	Wght.
inch	4	4.09	1.16	3.90	2.44	0.55	0.39	1.015
mm	100	104	29.5	99	57	14	10.0	0.460

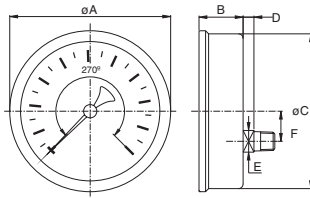
6222 backflange st. steel



for other measurements see 6221

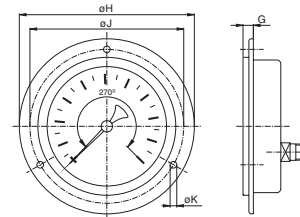
	Size	B	F	G	H	J	K	L	Wght.
inch	4	1.26	0.49	0.16	5.20	4.57	0.20	2.05	1.205
mm	100	32.0	12.5	4	132	116	5.0	52	0.545

6225 lowerback



	Size	A	B	C	D	E	F	Wght.
inch	4	4.09	1.22	3.90	0.28	0.55	0.77	1.015
mm	100	104	31	99	7	14	19.5	0.460

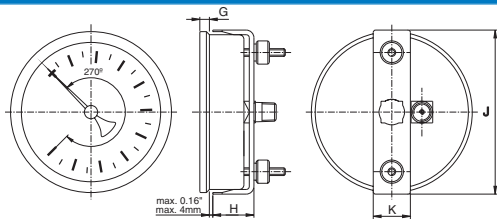
6228 frontflange



for other measurements see 6225

	Size	G	H	J	K	Wght.
inch	4	0.35	5.20	4.57	0.20	1.215
mm	100	9	132	116	5	0.550

6229 U-clamp steel, zinc plated



for other measurements see 6225

	Size	G	H	J	K	Wght.
inch	4	0.24	1.12	4.17	0.94	1.170
mm	100	6	28.5	106	24	0.530

Series 7220



Stainless Steel Liquid Filled Pressure Gauges

Stainless steel wetted parts

Stainless steel case

Case size 2 1/2"

ENFM's stainless steel liquid filled pressure gauges are suitable for a medium, which does not clog connection port or corrode stainless steel. These gauges are commonly used on heavy-duty service in industrial environments.

Standard gauge specifications

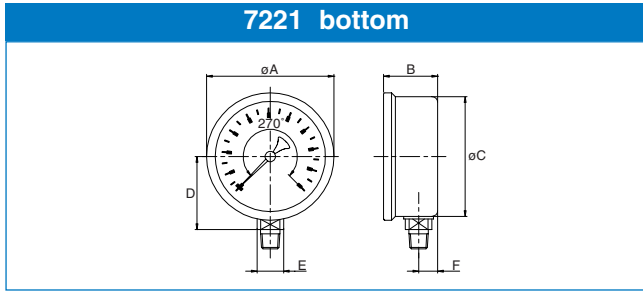
Case:	Stainless steel AISI 304 with filling plug
Bezel:	Crimped stainless steel AISI 304
Dial:	White aluminum with black or black and blue scales
Pointer:	Black aluminum
Window:	Acrylic
Bourdon tube:	≤ 600 psi : "C" shaped AISI 316, > 600 psi : helical AISI 316
Connection:	Stainless steel AISI 316
Movement:	Stainless steel
Liquid filling:	Glycerin
Weather protection:	IP 65
Accuracy:	1.6 % of span

Series	7221	7225	7221	7225
Case Size	2 1/2"	2 1/2"	2 1/2"	2 1/2"
Connection Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Scale	psi	psi	psi/bar/kPa	psi/bar/kPa
Article number	RV232A3E	RV232G3E	RV232A3E	RV232G3E
Pressure Range Code				
-30"Hg/0	000kb	000kb	000kg	000kg
-30"Hg/0/15psi	201kb	201kb	201kg	201kg
-30"Hg/0/30 psi	203kb	203kb	203kg	203kg
-30"Hg/0/60 psi	205kb	205kb	205kg	205kg
-30"Hg/0/100 psi	208kb	208kb	208kg	208kg
-30"Hg/0/150 psi	210kb	210kb	210kg	210kg
-30"Hg/0/200 psi	212kb	212kb	212kg	212kg
0-15 psi	301kb	301kb	301kg	301kg
0-30 psi	303kb	303kb	303kg	303kg
0-60 psi	306kb	306kb	306kg	306kg
0-100 psi	309kb	309kb	309kg	309kg
0-160 psi	312kb	312kb	312kg	312kg
0-200 psi	314kb	314kb	314kg	314kg
0-300 psi	317kb	317kb	317kg	317kg
0-400 psi	319kb	319kb	319kg	319kg
0-500 psi	320kb	320kb	320kg	320kg
0-600 psi	321kb	321kb	321kg	321kg
0-1000 psi	323kb	323kb	323kg	323kg
0-1500 psi	324kb	324kb	324kg	324kg
0-2000 psi	325kb	325kb	325kg	325kg
0-3000 psi	327kb	327kb	327kg	327kg
0-4000 psi	329kb	329kb	329kg	329kg
0-5000 psi	331kb	331kb	331kg	331kg
0-6000 psi	332kb	332kb	332kg	332kg
0-10000 psi	334kb	334kb	334kg	334kg
0-15000 psi	335kb	335kb	335kg	335kg
Mounting Options				
Backflange 7222	RV232B3E	-	RV232B3E	-
Frontflange 7228	-	RV232H3E	-	RV232H3E
U Clamp 7229	-	RV232J3E	-	RV232J3E

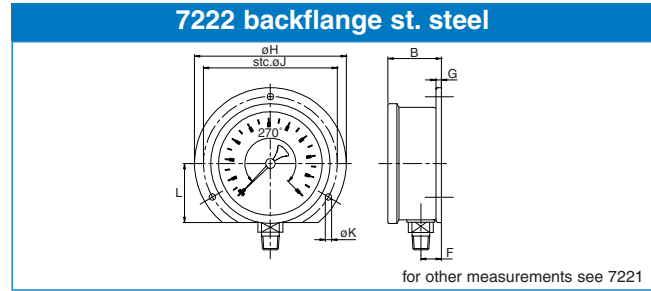
Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **RV232A3E000kb**

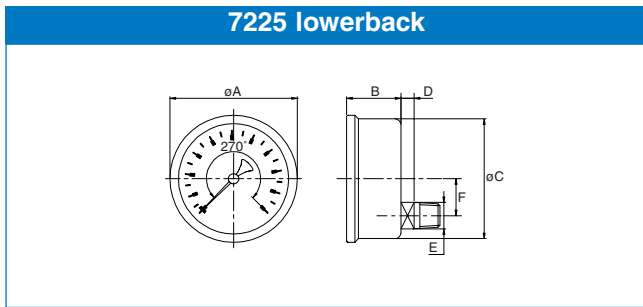
Sizes and weights series 7220



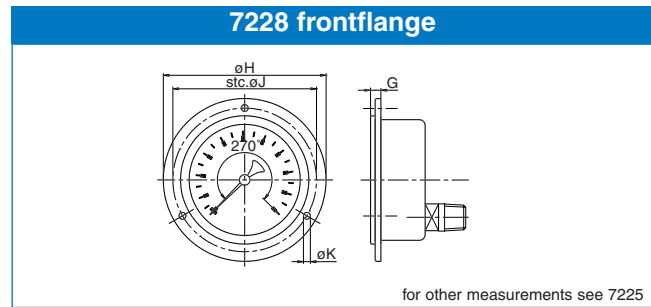
	Size	A	B	C	D	E	F	Wght.
inch	2 1/2	2.64	1.12	2.48	1.52	0.55	0.39	0.430
mm	63	67	28.5	63	38.5	14	10	0.195



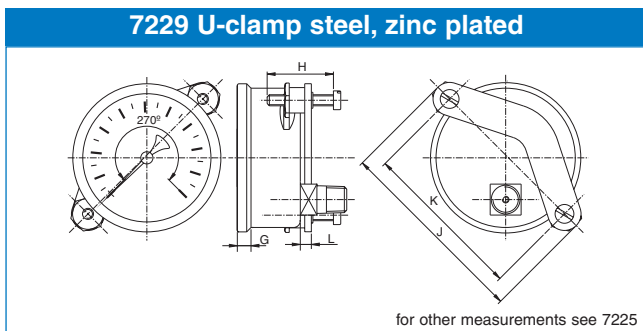
	Size	B	F	G	H	J	K	L	Wght.
inch	2 1/2	1.18	0.45	0.12	3.35	2.95	0.14	1.30	0.475
mm	63	30.0	11.5	3	85	75	3.6	33	0.215



	Size	A	B	C	D	E	F	Wght.
inch	2 1/2	2.64	1.10	2.48	0.28	0.55	0.77	0.475
mm	63	67	28.0	63	7	14	19.5	0.215



	Size	G	H	J	K	Wght.
inch	2 1/2	0.35	3.35	2.95	0.14	0.530
mm	63	9	85	75	3.6	0.240



	Size	G	H	J	K	L	Wght.
inch	2 1/2	0.24	1.18	3.48	2.89	0.20	0.595
mm	63	6	30	88.5	73.5	5	0.270

Series 7720



Stainless Steel Liquid Filled Pressure Gauges

Stainless steel wetted parts
Stainless steel case & bayonet ring
Case size 2 1/2", 4" & 6"

ENFM's stainless steel liquid filled pressure gauges are suitable for a medium, which does not clog connection port or corrode stainless steel. These gauges are commonly used on heavy-duty and severe service in industrial environments. The gauges have a bayonet ring, adjustable pointer, laminated safety glass window.

Standard gauge specifications

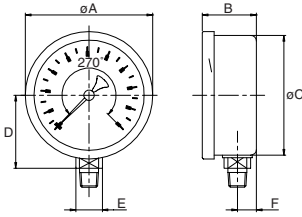
- Case:** Stainless steel AISI 304 with blow out plug and filling plug
- Bezel:** Stainless steel AISI 304 polished bayonet ring
- Dial:** White aluminum with black scales
- Pointer:** Black aluminum, adjustable
- Window:** Laminated safety glass
- Bourdon tube:** ≤ 600 psi : "C" shaped AISI 316, > 600 psi : helical AISI 316
- Connection:** Stainless steel AISI 316
- Movement:** Stainless steel with mechanical underload/overload stop (4" & 6")
- Liquid filling:** Glycerin
- Weather protection:** IP 65
- Accuracy:** 1.6 % of span (2 1/2")
1.0 % of span 4" & 6" ASME B40.1 Grade 1A

Series	7721		7721		7721		7721		7725		7725		7725	
Case Size	2 1/2"		4"		4"		6"		2 1/2"		4"		6"	
Connection Size	1/4" NPT		1/4" NPT		1/2" NPT		1/2" NPT		1/4" NPT		1/2" NPT		1/2" NPT	
Scale	psi	si/bar/kpa	psi	si/bar/kpa	psi	psi/bar/kpa	psi	psi/bar/kpa	psi	si/bar/kpa	psi	psi/bar/kpa	psi	psi/bar/kpa
Article number	RV266A3E		RV266A5E		RV266A5H		RV266A6H		RV266G3E		RV266G5H		RV266G6H	
Pressure Range Code														
-30"Hg/0	000vb	000vg	000vb	000vg	000vb	000vg	000vb	000vg	000vb	000vg	000vb	000vg	000vb	000vg
-30"Hg/0/15psi	201vb	201vg	201vb	201vg	201vb	201vg	201vb	201vg	201vb	201vg	201vb	201vg	201vb	201vg
-30"Hg/0/30 psi	203vb	203vg	203vb	203vg	203vb	203vg	203vb	203vg	203vb	203vg	203vb	203vg	203vb	203vg
-30"Hg/0/60 psi	205vb	205vg	205vb	205vg	205vb	205vg	205vb	205vg	205vb	205vg	205vb	205vg	205vb	205vg
-30"Hg/0/100 psi	208vb	208vg	208vb	208vg	208vb	208vg	208vb	208vg	208vb	208vg	208vb	208vg	208vb	208vg
-30"Hg/0/150 psi	210vb	210vg	210vb	210vg	210vb	210vg	210vb	210vg	210vb	210vg	210vb	210vg	210vb	210vg
-30"Hg/0/200 psi	212vb	212vg	212vb	212vg	212vb	212vg	212vb	212vg	212vb	212vg	212vb	212vg	212vb	212vg
0-15 psi	301vb	301vg	301vb	301vg	301vb	301vg	301vb	301vg	301vb	301vg	301vb	301vg	301vb	301vg
0-30 psi	303vb	303vg	303vb	303vg	303vb	303vg	303vb	303vg	303vb	303vg	303vb	303vg	303vb	303vg
0-60 psi	306vb	306vg	306vb	306vg	306vb	306vg	306vb	306vg	306vb	306vg	306vb	306vg	306vb	306vg
0-100 psi	309vb	309vg	309vb	309vg	309vb	309vg	309vb	309vg	309vb	309vg	309vb	309vg	309vb	309vg
0-160 psi	312vb	312vg	312vb	312vg	312vb	312vg	312vb	312vg	312vb	312vg	312vb	312vg	312vb	312vg
0-200 psi	314vb	314vg	314vb	314vg	314vb	314vg	314vb	314vg	314vb	314vg	314vb	314vg	314vb	314vg
0-300 psi	317vb	317vg	317vb	317vg	317vb	317vg	317vb	317vg	317vb	317vg	317vb	317vg	317vb	317vg
0-400 psi	319vb	319vg	319vb	319vg	319vb	319vg	319vb	319vg	319vb	319vg	319vb	319vg	319vb	319vg
0-500 psi	320vb	320vg	320vb	320vg	320vb	320vg	320vb	320vg	320vb	320vg	320vb	320vg	320vb	320vg
0-600 psi	321vb	321vg	321vb	321vg	321vb	321vg	321vb	321vg	321vb	321vg	321vb	321vg	321vb	321vg
0-1000 psi	323vb	323vg	323vb	323vg	323vb	323vg	323vb	323vg	323vb	323vg	323vb	323vg	323vb	323vg
0-1500 psi	324vb	324vg	324vb	324vg	324vb	324vg	324vb	324vg	324vb	324vg	324vb	324vg	324vb	324vg
0-2000 psi	325vb	325vg	325vb	325vg	325vb	325vg	325vb	325vg	325vb	325vg	325vb	325vg	325vb	325vg
0-3000 psi	327vb	327vg	327vb	327vg	327vb	327vg	327vb	327vg	327vb	327vg	327vb	327vg	327vb	327vg
0-4000 psi	329vb	329vg	329vb	329vg	329vb	329vg	329vb	329vg	329vb	329vg	329vb	329vg	329vb	329vg
0-5000 psi	331vb	331vg	331vb	331vg	331vb	331vg	331vb	331vg	331vb	331vg	331vb	331vg	331vb	331vg
0-6000 psi	332vb	332vg	332vb	332vg	332vb	332vg	332vb	332vg	332vb	332vg	332vb	332vg	332vb	332vg
0-10000 psi	334vb	334vg	334vb	334vg	334vb	334vg	334vb	334vg	334vb	334vg	334vb	334vg	334vb	334vg
0-15000 psi	335vb	335vg	335vb	335vg	335vb	335vg	335vb	335vg	335vb	335vg	335vb	335vg	335vb	335vg
Mounting Options														
Backflange 7722	RV266B3E		RV266B5E		RV266B5H		RV266B6H		-		-		-	
Frontflange 7728	-		-		-		-		RV266H3E		RV266H5H		RV266H6H	
U Clamp 7729	-		-		-		-		RV266J3E		RV266J5H		RV266J6H	

Sizes and weights series 7720

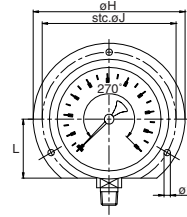


7721 bottom



Size	A	B	C	D	E	F	Wght.
2 1/2	2.68	1.17	2.48	1.52	0.55	0.39	0.510
4	4.13	1.83	3.90	2.48	0.87	0.67	1.845
6	6.22	2.17	5.85	3.62	0.87	0.77	4.410
63	68	29.7	63.0	38.5	14	10.0	0.230
100	105	46.5	99.0	63.0	22	17.0	0.835
150	158	55.0	148.5	92.0	22	19.5	2.000

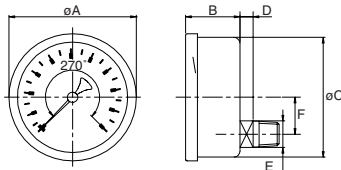
7722 backflange st. steel



for other measurements see 7721

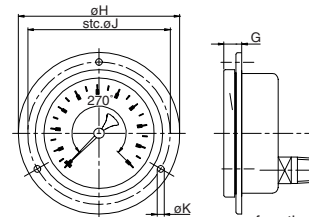
Size	B	F	G	H	J	K	L	Wght.
2 1/2	1.23	0.45	0.12	3.35	2.95	0.14	1.30	0.555
4	1.93	0.77	0.16	5.20	4.57	0.20	2.05	1.995
6	2.34	0.94	0.24	7.32	6.61	0.24	3.07	4.895
63	31.2	11.5	3	85	75	3.6	33	0.250
100	49.0	19.5	4	132	116	5.0	52	0.905
150	59.5	24.0	6	186	168	6.0	78	2.220

7725 lowerback



Size	A	B	C	D	E	F	Wght.
2 1/2	2.67	1.15	2.48	0.28	0.55	0.77	0.510
4	4.13	1.89	3.90	0.43	0.87	1.31	1.965
6	6.22	2.17	5.85	0.67	0.87	2.07	4.850
63	68	29.2	63.0	7	14	19.5	0.230
100	105	48.0	99.0	11	22	33.4	0.890
150	158	55.0	148.5	17	22	52.5	2.200

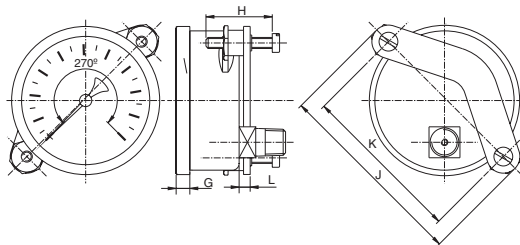
7728 frontflange



for other measurements see 7725

Size	G	H	J	K	Wght.
2 1/2	0.43	3.35	2.95	0.14	0.565
4	0.53	5.20	4.57	0.19	2.105
6	0.83	7.32	6.61	0.24	5.295
63	11.0	85	75	3.6	0.255
100	13.5	132	116	4.8	0.955
150	21.0	186	168	6.0	2.400

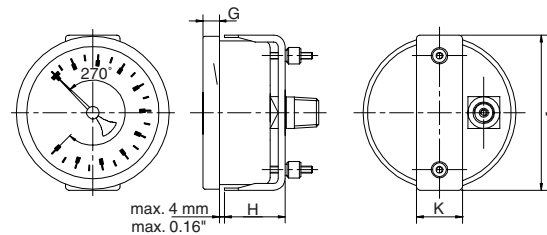
7729 U-clamp steel, zinc plated



for other measurements see 7725

Size	G	H	J	K	L	Wght.
2 1/2	0.24	1.18	3.48	2.89	0.20	0.630
63	6	30	88.5	73.5	5	0.285

7729 U-clamp steel, zinc plated



max. 4 mm
max. 0.16"

for other measurements see 7725

Size	G	H	J	K	Wght.
4	0.39	1.73	4.17	0.98	1.430
6	0.51	1.99	6.61	0.98	3.730
100	10	44	106	25	0.650
150	13	49	168	25	1.690

Series 7770



Liquid Filled Stainless Steel Pressure Gauges

Stainless steel wetted parts
Stainless steel case welded to connection
Case size 2 1/2" & 4"

ENFM's liquid filled stainless steel pressure gauges are suitable for a medium, which does not clog connection port or corrode stainless steel. These gauges are commonly used on heavy-duty service in industrial environments. The gauges have a bayonet ring, adjustable pointer, laminated safety glass window and welded connection to case.

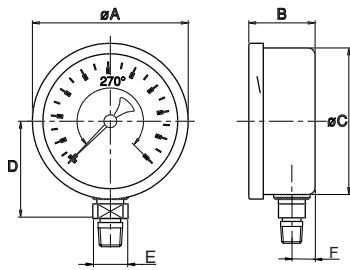
Standard gauge specifications

- Case:** Stainless steel AISI 304 with blow out plug and filling plug
- Bezel:** Stainless steel AISI 304 polished bayonet ring
- Dial:** White aluminum with black or black and blue scales
- Pointer:** Black aluminum
- Window:** Laminated safety glass
- Bourdon tube:** ≤ 600 psi : "C" shaped AISI 316, > 600 psi : helical AISI 316
- Connection:** Stainless steel AISI 316 welded to case with field removable .012 threaded snubber
- Movement:** Stainless steel with mechanical underload/overload stop (4")
- Liquid Filling:** Glycerin
- Weather protection:** IP 65
- Accuracy:** 1.6 % of span (2 1/2") / 1.0 % of span (4") ASME B40.1 Grade 1A

Series	7771	7771	7771	7771
Case Size	2 1/2"	2 1/2"	4"	4"
Connection Size	1/4"NPT	1/4"NPT	1/4"NPT	1/2"NPT
Scale	psi	psi/bar/kPa	psi	psi
Article number	GV266A3N	GV266A3N	GV266A5N	GV266A5Q
Pressure Range Code				
-30"Hg/0	000vb	000vg	000vb	000vg
-30"Hg/0/15psi	201vb	201vg	201vb	201vg
-30"Hg/0/30 psi	203vb	203vg	203vb	203vg
-30"Hg/0/60 psi	205vb	205vg	205vb	205vg
-30"Hg/0/100 psi	208vb	208vg	208vb	208vg
-30"Hg/0/150 psi	210vb	210vg	210vb	210vg
-30"Hg/0/200 psi	212vb	212vg	212vb	212vg
0-15 psi	301vb	301vg	301vb	301vg
0-30 psi	303vb	303vg	303vb	303vg
0-60 psi	306vb	306vg	306vb	306vg
0-100 psi	309vb	309vg	309vb	309vg
0-160 psi	312vb	312vg	312vb	312vg
0-200 psi	314vb	314vg	314vb	314vg
0-300 psi	317vb	317vg	317vb	317vg
0-400 psi	319vb	319vg	319vb	319vg
0-500 psi	320vb	320vg	320vb	320vg
0-600 psi	321vb	321vg	321vb	321vg
0-1000 psi	323vb	323vg	323vb	323vg
0-1500 psi	324vb	324vg	324vb	324vg
0-2000 psi	325vb	325vg	325vb	325vg
0-3000 psi	327vb	327vg	327vb	327vg
0-4000 psi	329vb	329vg	329vb	329vg
0-5000 psi	331vb	331vg	331vb	331vg
0-6000 psi	332vb	332vg	332vb	332vg
0-10000 psi	334vb	334vg	334vb	334vg
0-15000 psi	335vb	335vg	335vb	335vg
Mounting Options				
Backflange 7772	GV266B3N	GV266B3N	GV266B5N	GV266B5Q

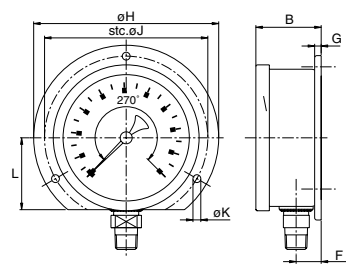
Sizes and weights series 7770

7771 bottom



	Size	A	B	C	D	E	F	Wght.
inch	2 1/2	2.68	1.17	2.48	1.61	0.55	0.39	0.510
	4	4.13	1.83	3.90	2.64	0.87	0.67	1.845
mm	63	68	29.7	63.0	41	14	10	0.230
	100	105	46.5	99.0	63	22	17	0.835

7772 backflange st. steel

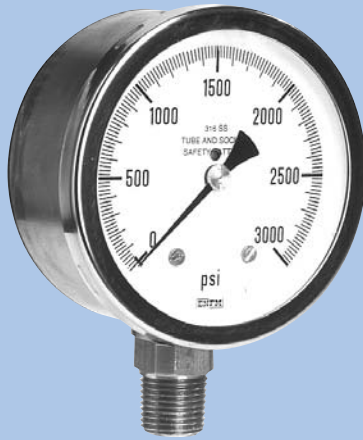


for other measurements see 7771

	Size	B	F	G	H	J	K	L	Wght.
inch	2 1/2	1.23	0.45	0.12	3.35	2.95	0.14	1.30	0.555
	4	1.93	0.77	0.16	5.20	4.57	0.20	2.05	1.995
mm	63	31.2	11.5	3	85	75	3.6	33	0.250
	100	49.0	19.5	4	132	116	5.0	52	0.905



Series 8620



Safety Pattern Stainless Steel Pressure Gauges

Solid front blow out back safety pattern case
Stainless steel wetted parts
Case size 2 1/2", 4" & 6"

ENFM's stainless steel pressure gauges are suitable for a medium, which does not clog connection port or corrode stainless steel. These gauges are commonly used on severe service applications requiring maximum operator safety. These gauges have solid front blow out back safety cases. **The lower mounts are field fillable.**

Standard gauge specifications

- Case:** Stainless steel AISI 304 with solid barrier between dial plate and measuring unit element complete with blow out back plate.
- Bezel:** Stainless steel AISI 304 polished bayonet ring
- Dial:** White aluminum with black scales
- Pointer:** Black aluminum, adjustable
- Window:** Laminated safety glass
- Bourdon tube:** ≤ 600 psi : "C" shaped AISI 316,
> 600 psi : helical AISI 316
- Connection:** Stainless steel AISI 316
- Movement:** Stainless steel with mechanical underload/overload stop (4" & 6")
- Weather protection:** IP 54
- Accuracy:** 1.6 % of span (2 1/2")
1.0 % of span (4" & 6") ASME B40.1 Grade 1A

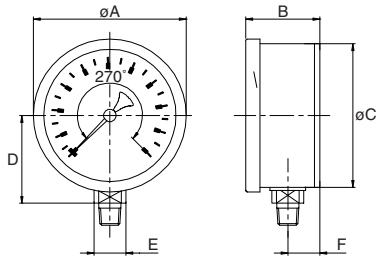
Series	8621	8621	8621	8625	8625	8625
Case Size	2 1/2"	4"	6"	2 1/2"	4"	6"
Connection Size	1/4" NPT	1/2" NPT	1/2" NPT	1/4" NPT	1/2" NPT	1/2" NPT
Scale	psi	psi	psi	psi	psi	psi
Article number	SW266A3E	SW266A5H	SW266A6H	SW266G3E	SW266G5H	SW266G6H
Pressure Range Code						
-30"Hg/0	000vb	000vb	000vb	000vb	000vb	000vb
-30"Hg/0/15psi	201vb	201vb	201vb	201vb	201vb	201vb
-30"Hg/0/30 psi	203vb	203vb	203vb	203vb	203vb	203vb
-30"Hg/0/60 psi	205vb	205vb	205vb	205vb	205vb	205vb
-30"Hg/0/100 psi	208vb	208vb	208vb	208vb	208vb	208vb
-30"Hg/0/150 psi	210vb	210vb	210vb	210vb	210vb	210vb
-30"Hg/0/200 psi	212vb	212vb	212vb	212vb	212vb	212vb
0-15 psi	301vb	301vb	301vb	301vb	301vb	301vb
0-30 psi	303vb	303vb	303vb	303vb	303vb	303vb
0-60 psi	306vb	306vb	306vb	306vb	306vb	306vb
0-100 psi	309vb	309vb	309vb	309vb	309vb	309vb
0-160 psi	312vb	312vb	312vb	312vb	312vb	312vb
0-200 psi	314vb	314vb	314vb	314vb	314vb	314vb
0-300 psi	317vb	317vb	317vb	317vb	317vb	317vb
0-400 psi	319vb	319vb	319vb	319vb	319vb	319vb
0-500 psi	320vb	320vb	320vb	320vb	320vb	320vb
0-600 psi	321vb	321vb	321vb	321vb	321vb	321vb
0-1000 psi	323vb	323vb	323vb	323vb	323vb	323vb
0-1500 psi	324vb	324vb	324vb	324vb	324vb	324vb
0-2000 psi	325vb	325vb	325vb	325vb	325vb	325vb
0-3000 psi	327vb	327vb	327vb	327vb	327vb	327vb
0-4000 psi	329vb	329vb	329vb	329vb	329vb	329vb
0-5000 psi	331vb	331vb	331vb	331vb	331vb	331vb
0-6000 psi	332vb	332vb	332vb	332vb	332vb	332vb
0-10000 psi	334vb	334vb	334vb	334vb	334vb	334vb
0-15000 psi	335vb	335vb	335vb	335vb	335vb	335vb
0-20000 psi		336vb	336vb	-	336vb	336vb
Mounting Options						
Frontflange 8628	-	-	-	SW266H3E	SW266H5H	SW266H6H

Items shown in **bold** are normally stocked items
Options: Internals of monel (SW666...), only 4" & 6".

To order, add pressure range code after article number, example: **SW266A3E000vb**

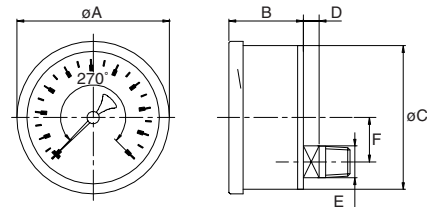
Sizes and weights series 8620

8621 bottom



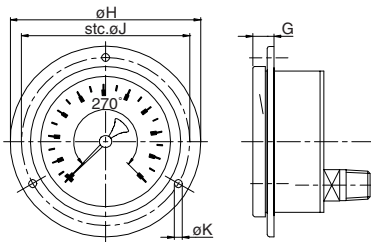
	Size	A	B	C	D	E	F	Wght.
inch	2 1/2	2.68	1.43	2.48	1.52	0.55	0.65	0.400
	4	4.13	1.98	3.90	2.48	0.87	0.88	1.315
	6	6.22	2.48	5.85	3.62	0.87	1.10	3.355
mm	63	68	36.4	63	38.5	14	16.5	0.180
	100	105	50.3	99	63.0	22	22.2	0.595
	150	158	63.0	148	92.0	22	28.0	1.520

8625 lowerback



	Size	A	B	C	D	E	F	Wght.
inch	2 1/2	2.68	1.43	2.48	0.28	0.55	0.77	0.400
	4	4.13	1.98	3.90	0.47	0.87	1.31	1.315
	6	6.22	2.48	5.83	0.67	0.87	2.07	3.355
mm	63	68	36.4	63	7	14	19.5	0.180
	100	105	50.3	99	12	22	33.4	0.595
	150	158	63.0	148	17	22	52.5	1.520

8628 frontflange

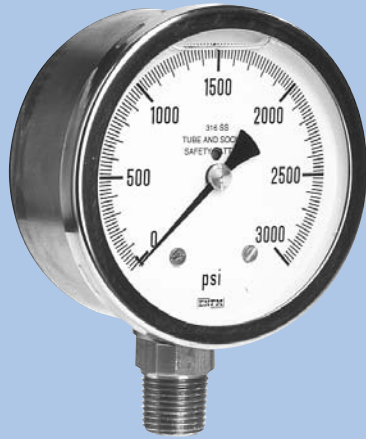


for other measurements see 8625

	Size	G	H	J	K	Wght.
inch	2 1/2	0.51	3.35	2.95	0.14	0.455
	4	0.53	5.20	4.57	0.19	1.455
	6	0.83	7.32	6.61	0.24	3.795
mm	63	12.0	85	75	3.6	0.205
	100	13.5	132	116	4.8	0.660
	150	21.0	186	168	6.0	1.720



Series 8720



Liquid Filled Safety Pattern Pressure Gauges

Solid front blow out back safety pattern case
Stainless steel wetted parts
Case size 2 1/2", 4" & 6"

ENFM's stainless steel pressure gauges are suitable for a medium, which does not clog connection port or corrode stainless steel. These gauges are commonly used on severe service applications requiring maximum operator safety. These gauges have solid front blow out back safety cases.

Standard gauge specifications

- Case:** Stainless steel AISI 304 with solid barrier between dial plate and measuring unit element complete with blow out back plate
- Bezel:** Stainless steel AISI 304 polished bayonet ring
- Dial:** White aluminum with black scales
- Pointer:** Black aluminum, adjustable
- Window:** Laminated safety glass
- Bourdon tube:** ≤ 600 psi : "C" shaped AISI 316, > 600 psi : helical AISI 316
- Connection:** Stainless steel AISI 316
- Movement:** Stainless steel with mechanical underload/overload stop (4" & 6")
- Liquid Filling:** Glycerin
- Weather protection:** IP 65
- Accuracy:** 1.6 % of span (2 1/2")
1.0 % of span (4" & 6") ASME B40.1 Grade 1A

Series	8721	8721	8721
Case Size	2 1/2"	4"	6"
Connection Size	1/4" NPT	1/2" NPT	1/2" NPT
Scale	psi	psi	psi
Article number	SV266A3E	SV266A5H	SV266A6H
Pressure Range Code			
-30"Hg/0	000vb	000vb	000vb
-30"Hg/0/15psi	201vb	201vb	201vb
-30"Hg/0/30 psi	203vb	203vb	203vb
-30"Hg/0/60 psi	205vb	205vb	205vb
-30"Hg/0/100 psi	208vb	208vb	208vb
-30"Hg/0/150 psi	210vb	210vb	210vb
-30"Hg/0/200 psi	212vb	212vb	212vb
0-15 psi	301vb	301vb	301vb
0-30 psi	303vb	303vb	303vb
0-60 psi	306vb	306vb	306vb
0-100 psi	309vb	309vb	309vb
0-160 psi	312vb	312vb	312vb
0-200 psi	314vb	314vb	314vb
0-300 psi	317vb	317vb	317vb
0-400 psi	319vb	319vb	319vb
0-500 psi	320vb	320vb	320vb
0-600 psi	321vb	321vb	321vb
0-1000 psi	323vb	323vb	323vb
0-1500 psi	324vb	324vb	324vb
0-2000 psi	325vb	325vb	325vb
0-3000 psi	327vb	327vb	327vb
0-4000 psi	329vb	329vb	329vb
0-5000 psi	331vb	331vb	331vb
0-6000 psi	332vb	332vb	332vb
0-10000 psi	334vb	334vb	334vb
0-15000 psi	335vb	335vb	335vb
0-20000 psi	-	336vb	336vb

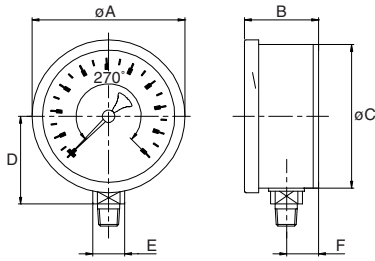
Items shown in **bold** are normally stocked items

Options: Intervals of monel (SV666...), only 4" & 6".

To order, add pressure range code after article number, example: **SV266A3N000vb**

Sizes and weights series 8720

8721 bottom



	Size	A	B	C	D	E	F	Wght.
inch	2 1/2	2.68	1.43	2.48	1.52	0.55	0.65	0.565
	4	4.13	1.98	3.90	2.48	0.87	0.88	1.965
	6	6.22	2.48	5.85	3.62	0.87	1.10	5.335
mm	63	68	36.4	63	38.5	14	16.5	0.255
	100	105	50.3	99	63.0	22	22.2	0.890
	150	158	63.0	148	92.0	22	28.0	2.420



Series 8800



Process Gauges

Solid front blow out back safety pattern case

Micrometer pointer

Liquid Fillable

Case size 4 1/2"

These gauges are commonly used on heavy-duty service in industrial environments. The gauges have a solid front blow out back safety case.

Standard gauge specifications

- Case:** Fiberglass reinforced thermoplastic with solid barrier between dial plate and measuring unit complete with blow out back plate.
- Bezel:** Fiberglass reinforced thermoplastic ring
- Dial:** White aluminum with black scales
- Pointer:** Black aluminum, adjustable micrometer pointer
- Window:** Acrylic (8810), Laminated safety glass (8820, 8850)
- Bourdon tube:** ≤ 600 psi : "C" shaped phosphor bronze, AISI 316 or Monel, > 600 psi : helical phosphor bronze, AISI 316 or Monel,
- Connection:** Copper Alloy, Stainless steel AISI 316 or Monel
- Movement:** Copper Alloy or Stainless steel with mechanical underload/overload stop
- Weather protection:** IP 54
- Accuracy:** +/- 0,5% of span ASME B40.1 Grade 2A

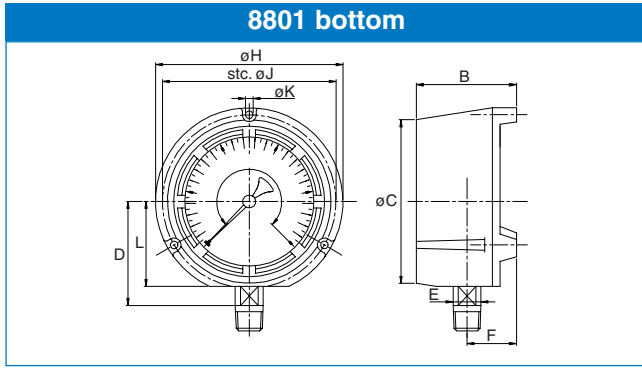
Wetted parts	Series
Brass	8810
316 SS	8820
Monel	8850

Series	8811	8811	8821	8821	8851
Case Size	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"
Connection Size	1/4"NPT	1/2"NPT	1/4"NPT	1/2"NPT	1/2"NPT
Wetted parts	Brass	Brass	316SS	316SS	Monel
Scale	psi	psi	psi	psi	psi
Article number	SW187B8E	SW187B8H	SW287B8E	SW287B8H	SW687B8H
Pressure Range Code					
-30"Hg/0	000kb	000kb	000vb	000vb	000vb
-30"Hg/0/15psi	201kb	201kb	201vb	201vb	201vb
-30"Hg/0/30 psi	203kb	203kb	203vb	203vb	203vb
-30"Hg/0/60 psi	205kb	205kb	205vb	205vb	205vb
-30"Hg/0/100 psi	208kb	208kb	208vb	208vb	208vb
-30"Hg/0/150 psi	210kb	210kb	210vb	210vb	210vb
-30"Hg/0/200 psi	212kb	212kb	212vb	212vb	212vb
0-15 psi	301kb	301kb	301vb	301vb	301vb
0-30 psi	303kb	303kb	303vb	303vb	303vb
0-60 psi	306kb	306kb	306vb	306vb	306vb
0-100 psi	309kb	309kb	309vb	309vb	309vb
0-160 psi	312kb	312kb	312vb	312vb	312vb
0-200 psi	314kb	314kb	314vb	314vb	314vb
0-300 psi	317kb	317kb	317vb	317vb	317vb
0-400 psi	319kb	319kb	319vb	319vb	319vb
0-600 psi	321kb	321kb	321vb	321vb	321vb
0-1000 psi	323kb	323kb	323vb	323vb	323vb
0-1500 psi	324kb	324kb	324vb	324vb	324vb
0-2000 psi	325kb	325kb	325vb	325vb	325vb
0-3000 psi	327kb	327kb	327vb	327vb	327vb
0-4000 psi	329kb	329kb	329vb	329vb	329vb
0-5000 psi	331kb	331kb	331vb	331vb	331vb
0-6000 psi	332kb	332kb	332vb	332vb	332vb
0-10000 psi	-	-	334vb	334vb	334vb
0-15000 psi	-	-	335vb	335vb	335vb
0-20000 psi	-	-	336vb	336vb	336vb

Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **SW187B8E000kb**

Sizes and weights series 8800



	Size	B	C	D	E	F	H	J	K	L	Wght.
inch	4.5"	3.11	5.08	3.23	0.87	1.54	5.83	5.39	0.24	2.64	1.810
mm	4.5"	79	129	82	22	39	148	137	6	67	0.820

Series 8900



Liquid Filled Process Gauges

Solid front blow out back safety pattern case

Micrometer pointer

Liquid Filled

Case size 4 1/2"

These gauges are commonly used on heavy-duty service in industrial environments. The gauges have a solid front blow out back safety case and are liquid filled.

Standard gauge specifications

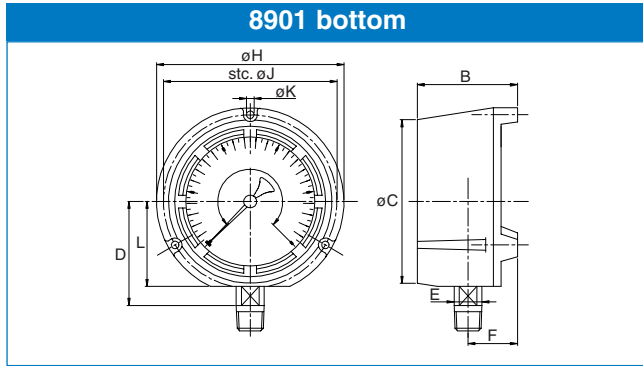
Case:	Fiberglass reinforced thermoplastic with barrier front between dial plate and measuring unit complete with blow out back plate.
Bezel:	Fiberglass reinforced thermoplastic ring
Dial:	White aluminum with black scales
Pointer:	Black aluminum, adjustable micrometer pointer
Window:	Acrylic (8910), Laminated safety glass (8920, 8950)
Bourdon tube:	≤ 600 psi : "C" shaped phosphor bronze, AISI 316 or Monel, > 600 psi : helical phosphor bronze, AISI 316 or Monel,
Connection:	Copper Alloy, Stainless steel AISI 316 or Monel
Movement:	Copper Alloy or Stainless steel with mechanical underload/overload stop
Liquid filling:	Glycerin
Weather protection:	IP 65
Accuracy:	+/- 0,5% of span ASME B40.1 Grade 2A
Wetted parts	Series
Brass	8910
316 SS	8920
Monel	8950

Series	8911	8911	8921	8921	8951
Case Size	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"
Connection Size	1/4"NPT	1/2"NPT	1/4"NPT	1/2"NPT	1/2"NPT
Wetted parts	Brass	Brass	316SS	316SS	Monel
Scale	psi	psi	psi	psi	psi
Article number	SV187B8E	SV187B8H	SV287B8E	SV287B8H	SV687B8H
Pressure Range Code					
-30"Hg/0	000kb	000kb	000vb	000vb	000vb
-30"Hg/0/15psi	201kb	201kb	201vb	201vb	201vb
-30"Hg/0/30 psi	203kb	203kb	203vb	203vb	203vb
-30"Hg/0/60 psi	205kb	205kb	205vb	205vb	205vb
-30"Hg/0/100 psi	208kb	208kb	208vb	208vb	208vb
-30"Hg/0/150 psi	210kb	210kb	210vb	210vb	210vb
-30"Hg/0/200 psi	212kb	212kb	212vb	212vb	212vb
0-15 psi	301kb	301kb	301vb	301vb	301vb
0-30 psi	303kb	303kb	303vb	303vb	303vb
0-60 psi	306kb	306kb	306vb	306vb	306vb
0-100 psi	309kb	309kb	309vb	309vb	309vb
0-160 psi	312kb	312kb	312vb	312vb	312vb
0-200 psi	314kb	314kb	314vb	314vb	314vb
0-300 psi	317kb	317kb	317vb	317vb	317vb
0-400 psi	319kb	319kb	319vb	319vb	319vb
0-600 psi	321kb	321kb	321vb	321vb	321vb
0-1000 psi	323kb	323kb	323vb	323vb	323vb
0-1500 psi	324kb	324kb	324vb	324vb	324vb
0-2000 psi	325kb	325kb	325vb	325vb	325vb
0-3000 psi	327kb	327kb	327vb	327vb	327vb
0-4000 psi	329kb	329kb	329vb	329vb	329vb
0-5000 psi	331kb	331kb	331vb	331vb	331vb
0-6000 psi	332kb	332kb	332vb	332vb	332vb
0-10000 psi	-	-	334vb	334vb	334vb
0-15000 psi	-	-	335vb	335vb	335vb
0-20000 psi	-	-	336vb	336vb	336vb

Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **SV187B8E000kb**

Sizes and weights series 8900



	Size	B	C	D	E	F	H	J	K	L	Wght.
inch	4.5"	3.11	5.08	3.23	0.87	1.54	5.83	5.39	0.24	2.64	2.690
mm	4.5"	79	129	82	22	39	148	137	6	67	1.220

Series 9510



Precision Test Gauges

Copper Alloy wetted parts

Stainless steel case

Mirror Scale

Case size 6"

ENFM test gauges are excellent for testing laboratories, gauge repair, calibration shops and other applications demanding high precision and consistent results. The dial has a polished mirror band for pointer reflection preventing parallax error.

Standard gauge specifications

Case:	Stainless steel with blow out and transport screw
Bezel:	Stainless steel polished bayonet
Dial:	White Stainless steel with black scales and mirrored band
Pointer:	Black aluminum, knife - edge
Window:	Acrylic
Bourdon tube:	≤ 600 psi : "C" shaped phosphor bronze, 600 - 6000 psi : helical phosphor bronze > 6000 psi : helical Stainless steel AISI 316
Connection:	Brass
Movement:	Brass with low friction
Weather protection:	IP 54
Accuracy:	0.25 % of span ASME B40.1 Grade 3A. NIST Traceable.

Series	9511	9515
Case Size	6"	6"
Connection Size	1/4"NPT	1/4"NPT
Scale	psi	psi
Article number	PD166A6E	PD166G6E
Pressure Range Code		
-30"Hg/0	000kb	000kb
-30"Hg/0/15psi	201kb	201kb
-30"Hg/0/30 psi	203kb	203kb
-30"Hg/0/60 psi	205kb	205kb
-30"Hg/0/100 psi	208kb	208kb
-30"Hg/0/150 psi	210kb	210kb
-30"Hg/0/200 psi	212kb	212kb
0-15 psi	301kb	301kb
0-30 psi	303kb	303kb
0-60 psi	306kb	306kb
0-100 psi	309kb	309kb
0-160 psi	312kb	312kb
0-200 psi	314kb	314kb
0-300 psi	317kb	317kb
0-400 psi	319kb	319kb
0-500 psi	320kb	320kb
0-600 psi	321kb	321kb
0-1000 psi	323kb	323kb
0-1500 psi	324kb	324kb
0-2000 psi	325kb	325kb
0-3000 psi	327kb	327kb
0-4000 psi	329kb	329kb
0-5000 psi	331kb	331kb
0-6000 psi	332kb	332kb
0-10000 psi	334kb	334kb
0-15000 psi	335kb	335kb
Mounting Options		
Backflange 9512	PD166B6E	-
Frontflange 9518	-	PD166H6E

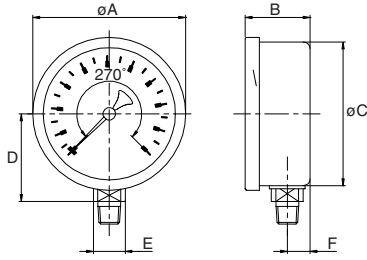
Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **PD166A6E000kb**

Sizes and weights series 9510

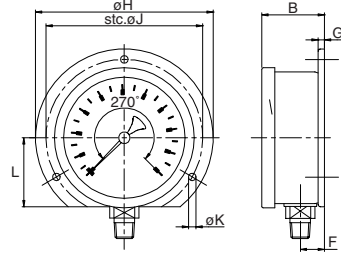


9511 bottom



Size	A	B	C	D	E	F	Wght.
6	6.22	2.17	5.85	3.62	0.87	0.77	2.260
150	158	55.0	148.5	92	22	19.5	1.025

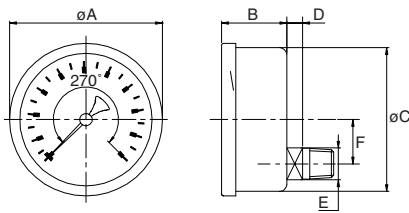
9512 backflange st. steel



for other measurements see 9511

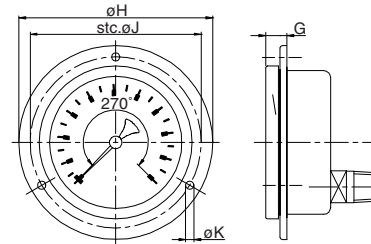
Size	B	F	G	H	J	K	L	Wght.
6	2.34	0.94	0.24	7.32	6.61	0.24	3.07	2.680
150	59.5	24.0	6	186	168	6.0	78	1.215

9515 lowerback



Size	A	B	C	D	E	F	Wght.
6	6.22	2.17	5.85	0.67	0.87	2.07	2.491
150	158	55	148.5	17	22	52.5	1.130

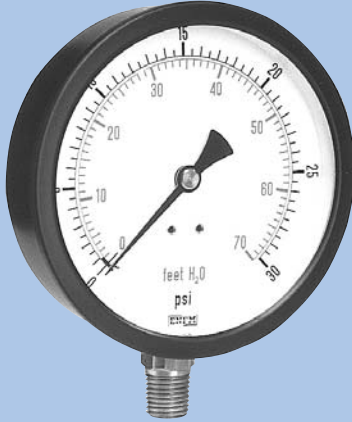
9518 frontflange



for other measurements see 9515

Size	G	H	J	K	Wght.
6	0.83	7.32	6.61	0.24	2.910
150	21.0	186	168	6.0	1.320

Series 6000A Series 6210A



Altitude Gauges

Copper Alloy wetted parts
Black steel or
Stainless Steel liquid filled case
Case size 4"

ENFM Altitude gauges are suitable for a medium, which does not clog connection port or corrode copper alloy. These gauges offer the easier reading 4" dial and are commonly used to indicate height of water in tanks, reservoirs, standpipes, etc.

Standard gauge specifications

Case:	Black steel (6000) or stainless steel AISI 304 with filling plug (6210)
Bezel:	Black crimped aluminum or stainless steel AISI 304 crimped
Dial:	White aluminum with black and red scales
Pointer:	Black aluminum
Window:	Acrylic
Bourdon tube:	"C" shaped phosphor bronze
Connection:	Brass
Movement:	Brass
Liquid filling:	Glycerin (Series 6210)
Accuracy:	3-2-3% of span ASME B40.1 Grade B

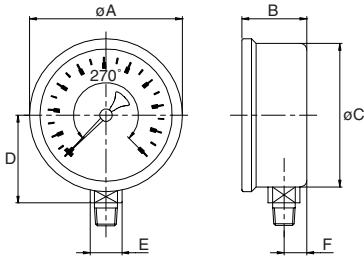
Series	6001A	6211A	6004A	6214A
Case Size	4"	4"	4"	4"
Connection Size	1/4"NPT	1/4"NPT	1/4"NPT	1/4"NPT
Scale	psi/ ft H ₂ O	psi/ ft H ₂ O	psi/ ft H ₂ O	psi/ ft H ₂ O
Article number	ND123A5E	NV132A5E	ND123C5E	NV132C5E
Pressure Range Code				
0-15 psi/ft H ₂ O	301kvei	301kvei	301kvei	301kvei
0-30 psi/ft H ₂ O	303kvei	303kvei	303kvei	303kvei
0-60 psi/ft H ₂ O	306kvei	306kvei	306kvei	306kvei
0-100 psi/ft H ₂ O	309kvei	309kvei	309kvei	309kvei
0-160 psi/ft H ₂ O	312kvei	312kvei	312kvei	312kvei
0-200 psi/ft H ₂ O	314kvei	314kvei	314kvei	314kvei
0-300 psi/ft H ₂ O	317kvei	317kvei	317kvei	317kvei
Mounting Options				
Backflange 6212A	-	NV132B5E	-	-
Frontflange 6006/6216A	-	-	ND123D5E	NV132D5E

Items shown in **bold** are normally stocked items

Sizes and weights series 6000A/6210A



6001A/6211A bottom

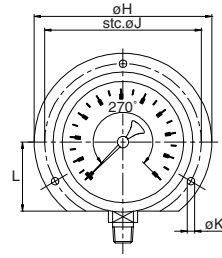


Size	A	B	C	D	E	F	Wght.	
							dry	filled
4	4.09	1.16	3.90	2.24	0.55	0.39	0.555	1.015
100	104	29.5	99	57.0	14	10	0.250	0.460

inch
mm

lb
kg

6212A backflange st. steel



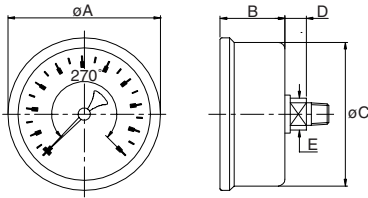
for other measurements see 6211A

Size	B	F	G	H	J	K	L	Wght.	
								dry	filled
4	1.26	0.49	0.16	5.20	4.57	0.20	2.05	1.205	2.205
100	32.0	12.5	4	132	116	5.0	52	0.545	0.985

inch
mm

lb
kg

6004A/6214A centerback

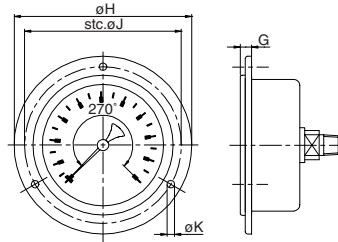


Size	A	B	C	D	E	F	Wght.	
							dry	filled
4	4.09	1.18	3.90	0.41	0.55	0.39	0.475	0.970
100	104	30.0	99	10.5	14	10	0.215	0.440

inch
mm

lb
kg

6006A/6216A frontflange



for other measurements see 6004/6214A

Size	G	H	J	K	Wght.	
					dry	filled
4	0.37	5.20	4.57	0.19	0.665	1.170
100	9.5	132	116	4.8	0.300	0.530

inch
mm

lb
kg

Series 6000ISS

Internal Syphon Steam Gauges

Copper Alloy wetted parts
Black steel case
Internal Syphon
Case size 2 1/2" & 4"

ENFM steam gauges are designed to operate on live steam without the need for external condensation devices.

Standard gauge specifications

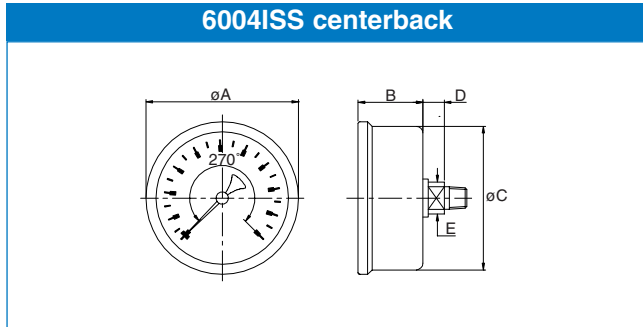
- Case:** Black steel
- Bezel:** Black crimped aluminum
- Dial:** White aluminum with black scales
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** "C" shaped phosphor bronze
- Connection:** Brass with internal built-in syphon
- Movement:** Brass
- Accuracy:** 3-2-3% of span ASME B40.1 Grade B



Series	6004ISS	6004ISS
Case Size	2 1/2"	4"
Connection Size	1/4"NPT	1/4"NPT
Scale	psi	psi
Article number	ND123C3Z	ND123C5Z
Pressure Range Code		
-30"Hg/0/30 psi	203kbs1	203kbs1
-30"Hg/0/60 psi	205kbs1	205kbs1
0-30 psi	303kbs1	303kbs1
0-60 psi	306kbs1	306kbs1
0-100 psi	309kbs1	309kbs1

Items shown in bold are normally stocked items

Sizes and weights series 6000ISS



	Size	A	B	C	D	E	Wght.
inch	2 1/2	2.64	1.10	2.48	0.37	0.55	0.245
	4	4.09	1.18	3.90	0.41	0.55	0.474
mm	63	67	28.0	63	9.5	14	0.110
	100	104	30.0	99	10.5	14	0.215

Series 7510R Series 7520R



Receiver Gauges

Copper Alloy or Stainless steel wetted parts

Stainless steel case

Case size 2 1/2", 4" & 6"

ENFM Receiver gauges are suitable for a medium, which does not clog connection port or corrode brass (Series 7510R) or stainless steel (Series 7520R).

Standard gauge specifications

Case:	Stainless steel AISI 304 with blow out
Bezel:	Stainless steel AISI 304 polished bayonet
Dial:	White aluminum with black scales
Pointer:	Black aluminum, adjustable
Window:	Acrylic
Bourdon tube:	"C" shaped phosphor bronze (7510R) or AISI 316 (7520R)
Connection:	Brass (7510R) or stainless steel AISI 316 (7520R)
Movement:	Brass (7510R) or stainless steel (7520R) with mechanical underload/overload stop (4" & 6")
Accuracy:	1.6 % of span (2 1/2") 1.0 % of span (4" & 6") ASME B40.1 Grade 1A

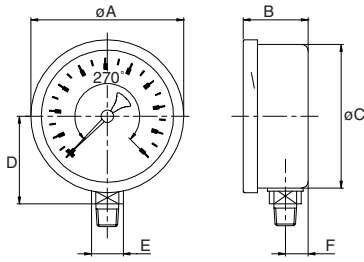
Series	7511R	7511R	7511R	7515R	7515R	7515R
Case Size	2 1/2"	4"	6"	2 1/2"	4"	6"
Connection Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Scale	3-15 psi	3-15 psi	3-15 psi	3-15 psi	3-15 psi	3-15 psi
Article number	RD166A3E	RD166A5E	RD166A6E	RD166G3E	RD166G5E	RD166G6E
Pressure Range Code						
0-10 sq. root	348kss2	348kss2	348kss2	348kss2	348kss2	348kss2
0-100%	348ksl2	348ksl2	348ksl2	348ksl2	348ksl2	348ksl2
Mounting Options						
Backflange 7512R	RD166B3E	RD166B5E	RD166B6E	-	-	-
Frontflange 7518R	-	-	-	RD166H3E	RD166H5E	RD166H6E
U Clamp 7519R	-	-	-	RD166J3E	RD166J5E	RD166J6E
Series	7521R	7521R	7521R	7525R	7525R	7525R
Case Size	2 1/2"	4"	6"	2 1/2"	4"	6"
Connection Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Scale	3-15 psi	3-15 psi	3-15 psi	3-15 psi	3-15 psi	3-15 psi
Article number	RD266A3E	RD266A5E	RD266A6E	RD266G3E	RD266G5E	RD266G6E
Pressure Range Code						
0-10 sq. root	348vss2	348vss2	348vss2	348vss2	348vss2	348vss2
0-100%	348vsl2	348vsl2	348vsl2	348vsl2	348vsl2	348vsl2
Mounting Options						
Backflange 7522R	RD266B3E	RD266B5E	RD266B6E	-	-	-
Frontflange 7528R	-	-	-	RD266H3E	RD266H5E	RD266H6E
U Clamp 7529R	-	-	-	RD266J3E	RD266J5E	RD266J6E

Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **RD166A3E348kss2**

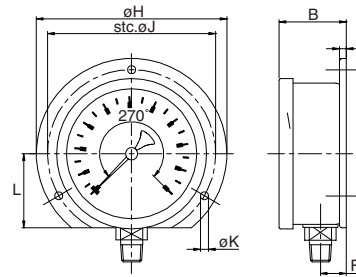
Sizes and weights series 7510R / 7520R

7511R / 7521R bottom



Size	A	B	C	D	E	F	Wght.
2 1/2	2.68	1.17	2.48	1.52	0.55	0.39	0.345
4	4.13	1.83	3.90	2.48	0.87	0.67	1.190
6	6.22	2.17	5.85	3.62	0.87	0.77	2.260
63	68	29.7	63.0	38.5	14	10.0	0.155
100	105	46.5	99.0	63.0	22	17.0	0.540
150	158	55.0	148.5	92.0	22	19.5	1.025

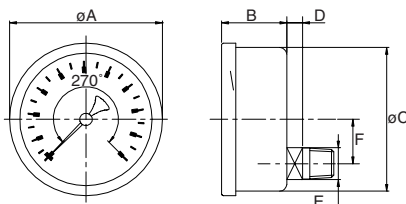
7512R / 7522R backflange st. steel



for other measurements see 7511/7521

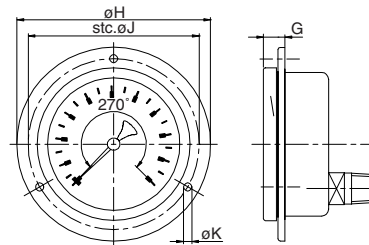
Size	B	F	G	H	J	K	L	Wght.
2 1/2	1.23	0.45	0.12	3.35	2.95	0.14	1.30	0.390
4	1.93	0.77	0.16	5.20	4.57	0.20	2.05	1.345
6	2.34	0.94	0.24	7.32	6.61	0.24	3.07	2.680
63	31.2	11.5	3	85	75	3.6	33	0.175
100	49.0	19.5	4	132	116	5.0	52	0.610
150	59.5	24.0	6	186	168	6.0	78	1.215

7515R / 7525R lowerback



Size	A	B	C	D	E	F	Wght.
2 1/2	2.67	1.15	2.48	0.28	0.55	0.77	0.345
4	4.13	1.89	3.90	0.43	0.87	1.31	1.280
6	6.22	2.17	5.85	0.67	0.87	2.07	2.495
63	68	29.2	63.0	7	14	19.5	0.155
100	105	48.0	99.0	11	22	33.4	0.580
150	158	55.0	148.5	17	22	52.5	1.130

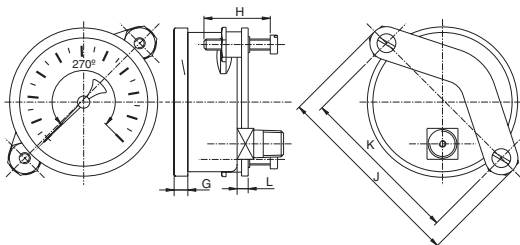
7518R / 7528R frontflange



for other measurements see 7515/7525

Size	G	H	J	K	Wght.
2 1/2	0.47	3.35	2.95	0.14	0.400
4	0.53	5.20	4.57	0.19	1.425
6	0.83	7.32	6.61	0.24	2.910
63	12.0	85	75	3.6	0.180
100	13.5	132	116	4.8	0.645
150	21.0	186	168	6.0	1.320

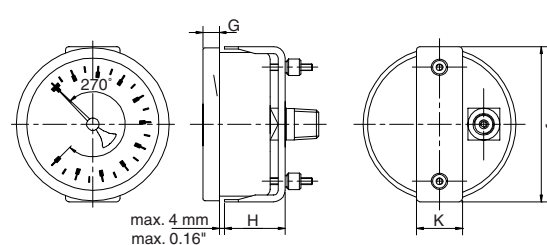
7519R / 7529R U-clamp steel, zinc plated



for other measurements see 7515/7525

Size	G	H	J	K	L	Wght.
2 1/2	0.24	1.18	3.48	2.89	0.20	0.465
63	6	30	88.5	73.5	5	0.210

7519R / 7529R U-clamp steel, zinc plated



for other measurements see 7515/7525

Size	G	H	J	K	Wght.
4	0.39	1.73	4.17	0.98	1.430
6	0.51	1.99	6.61	0.98	3.230
100	10	44	106	25	0.650
150	13	49	168	25	1.890



Series 8800R



Receiver Gauges

Solid front blow out back safety pattern case

micrometer pointer

Case size 4 1/2"

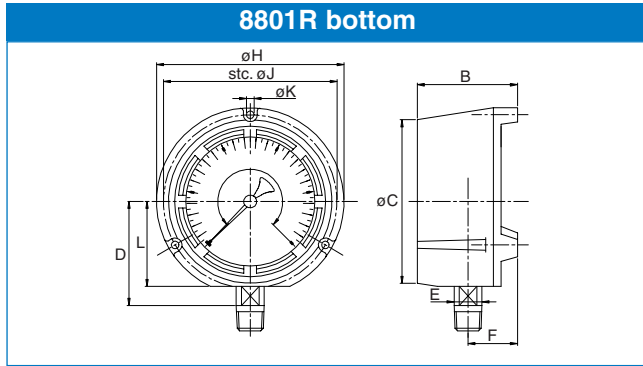
ENFM Receiver gauges are suitable for a medium, which does not clog connection port or corrode brass (8810R) or stainless steel (8820R).

Standard gauge specifications

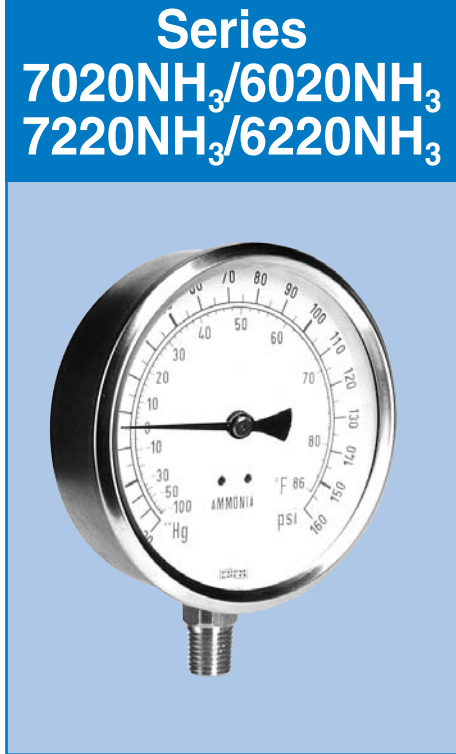
- Case:** Fiberglass reinforced thermoplastic with solid front between dial plate and measuring unit element complete with blow out back plate.
- Bezel:** Fiberglass reinforced thermoplastic ring
- Dial:** White aluminum with black scales
- Pointer:** Black aluminum, adjustable micrometer pointer
- Window:** Acrylic
- Bourdon tube:** "C" shaped phosphor bronze or AISI 316
- Connection:** Copper Alloy or Stainless steel
- Movement:** Copper Alloy or Stainless steel with overload stop
- Accuracy:** +/- 0,5% of span ASME B40.1 Grade 2A

Series	8811R	8811R	8821R	8821R
Case Size	4 1/2"	4 1/2"	4 1/2"	4 1/2"
Connection Size	1/4"NPT	1/2"NPT	1/4"NPT	1/2"NPT
Scale	3-15 psi	3-15 psi	3-15 psi	3-15 psi
Article number	SW187B8E	SW187B8H	SW287B8E	SW287B8H
Pressure Range Code				
0-10 sq. root	348kss2	348kss2	348kss2	348kss2
0-100%	348ksl2	348ksl2	348ksl2	348ksl2

Sizes and weights series 8800R



	Size	B	C	D	E	F	H	J	K	L	Wght.
inch	4.5"	3.11	5.08	3.23	0.87	1.54	5.83	5.39	0.24	2.64	1.810
mm	4.5"	79	129	82	22	39	148	137	6	67	0.820



NH₃ Ammonia Gauges

Stainless steel wetted parts
Stainless steel case
Case size 2 1/2" & 4"

ENFM's ammonia gauges are designed for NH₃ service.

Standard gauge specifications

- Case:** Stainless steel AISI 304
- Bezel:** Crimped stainless steel AISI 304
- Dial:** White aluminum with blue and red scales
- Pointer:** Black aluminum
- Window:** Acrylic
- Bourdon tube:** "C" shaped AISI 316
- Connection:** Stainless steel AISI 316 with field removable .012 threaded snubber
- Movement:** Stainless steel
- Liquid filling:** Glycerin (series 7220 & 6220)
- Accuracy:** 2-1-2 % of span ASME B40.1 Grade A

Series	7021NH ₃	6021NH ₃	7221NH ₃	6221NH ₃
Case Size	2 1/2"	4"	2 1/2"	4"
Connection Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Scale	NH ₃ /psi	NH ₃ /psi	NH ₃ /psi	NH ₃ /psi
Article number	RD232A3N	ND232A5N	RV232A3N	NV232A5N
Pressure Range Code				
-30"Hg/0/160 psi	211kza2	211kza2	211kza2	211kza2
-30"Hg/0/300 psi	214kza2	214kza2	214kza2	214kza2

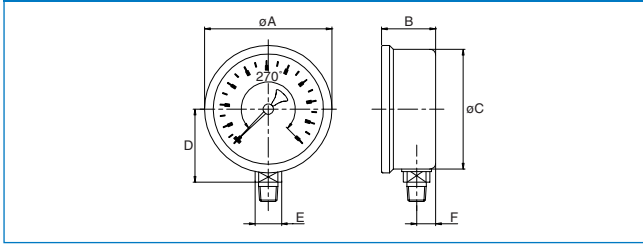
Sizes and weights series

7020NH₃/6020NH₃

7220NH₃/6220NH₃



7021NH₃/6021NH₃/7221NH₃/6221NH₃ bottom



Size	A	B	C	D	E	F	Wght.	
							dry	filled
2 1/2	2.64	1.12	2.48	1.52	0.55	0.39	0.265	0.430
4	4.09	1.16	3.90	2.24	0.55	0.39	0.555	1.015
63	67	28.5	63	38.5	14	10	0.120	0.195
100	104	29.5	99	57.0	14	10	0.250	0.460

Series 5210

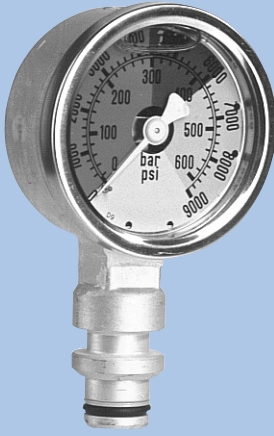
Liquid Filled Mining Gauges

Copper Alloy wetted parts

Cast Brass case

Case size 2"

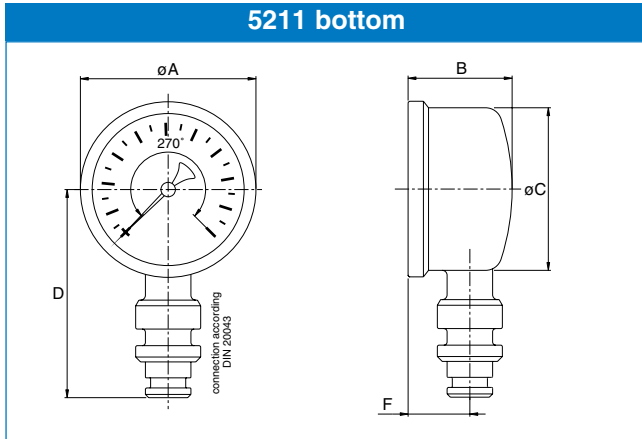
Standard gauge specifications



- Case:** Brass, cast one piece design
- Bezel:** Crimped stainless steel
- Dial:** White brass with black scales and red, green and yellow segments
- Pointer:** White brass
- Window:** heavy-duty acrylic
- Bourdon tube:** Helical beryllium copper
- Connection:** Brass steck - o - connection, at 3, 6, 9 or 12 o'clock with viton o-ring and delrin back-up
- Movement:** Brass
- Liquid filling:** Glycerin
- Accuracy:** 1.6 % of span

Series	5211	
Case Size	2"	
Connection Size	steck-o-connection	
Scale	psi/bar	
Article number	RV142A1Z	
Pressure Range Code	Connection	
0-9000 psi	3 o'clock	333ke3
0-9000 psi	6 o'clock	333ke6
0-9000 psi	9 o'clock	333ke9
0-9000 psi	12 o'clock	333ke12

Sizes and weights series 5210



	Size	A	B	C	D	F	Wght.	
inch	2	2.13	1.26	1.97	2.52	0.75	0.560	lb
mm	50	54	32	50	64	19	0.255	kg

Series 3A7620 Series 3A7720



3A Sanitary Gauges

Stainless steel wetted parts
Stainless steel polished case & bayonet ring

Case size 2 1/2" & 4"
1 1/2" and 2" Tri-Clamp® process connections

ENFM's 3A gauges are designed for applications requiring direct contact of the instrument with sterile or sensitive process media. The gauges meet or exceed the specifications established by the FDA and conform to the 3A Standard 37-01. All gauges are fully autoclavable (253°F 15 psi steam, 15 minutes) and designed for CIP (clean in place) applications. The gauges are typically used in the bio-technical, food, dairy and pharmaceutical industries.

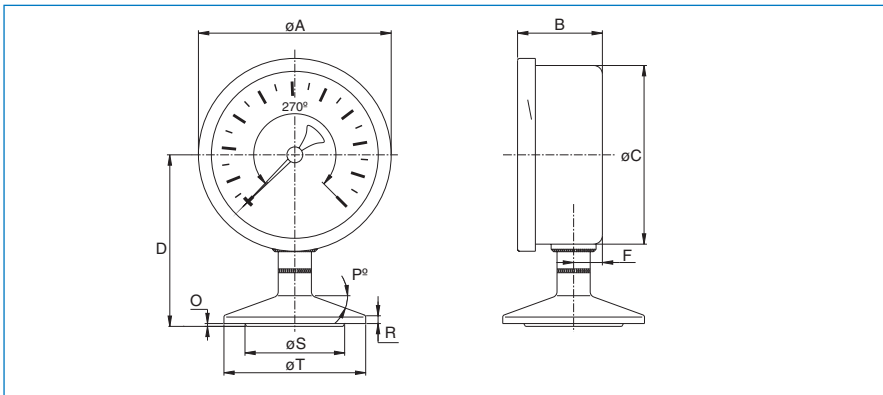
Standard gauge specifications

Case:	Stainless steel polished
Bezel:	Stainless steel polished bayonet ring
Dial:	White aluminum with black lettering, with pointerstop
Pointer:	Black aluminum, adjustable
Window:	Polycarbonate
Bourdon tube:	Stainless steel 316: ≤ 600 psi 'C' shaped
Connection:	Stainless steel aisi 316
Movement:	Stainless steel
Tri-clamp:	Stainless steel 316, max. Ra of 20µin.
Diaphragm:	Laser welded stainless steel 316, max. Ra of 20µin.
System filling:	Pharmaceutical / food quality USP grade Glycerin
Accuracy:	1.6 % of span for pressure ranges 60 - 600 psi 2.0 % of span for pressure ranges below 60 psi, vacuum and compound

Series	3A7621	3A7621	3A7621	3A7621	3A7721	3A7721	3A7721	3A7721
Case Size	2 1/2"	2 1/2"	4"	4"	2 1/2"	2 1/2"	4"	4"
Connection Size	1 1/2" Tri-Clamp	2" Tri-Clamp	1 1/2" Tri-Clamp	2" Tri-Clamp	1 1/2" Tri-Clamp	2" Tri-Clamp	1 1/2" Tri-Clamp	2" Tri-Clamp
Scale	psi	psi	psi	psi	psi	psi	psi	psi
Article number	GW236A3Z	GW236A3Z	GW236A5Z	GW236A5Z	GV236A3Z	GV236A3Z	GV236A5Z	GV236A5Z
Pressure Range Code								
-30"Hg/0	000kb01	000kb02	-	000kb02	000kb01	000kb02	-	000kb02
-30"Hg/0/15psi	201kb01	201kb02	-	201kb02	201kb01	201kb02	-	201kb02
-30"Hg/0/30 psi	203kb01	203kb02	-	203kb02	203kb01	203kb02	-	203kb02
-30"Hg/0/60 psi	205kb01	205kb02	205kb01	205kb02	205kb01	205kb02	205kb01	205kb02
-30"Hg/0/100 psi	208kb01	208kb02	208kb01	208kb02	208kb01	208kb02	208kb01	208kb02
-30"Hg/0/150 psi	210kb01	210kb02	210kb01	210kb02	210kb01	210kb02	210kb01	210kb02
-30"Hg/0/200 psi	212kb01	212kb02	212kb01	212kb02	212kb01	212kb02	212kb01	212kb02
0-15 psi	301kb01	301kb02	-	301kb02	301kb01	301kb02	-	301kb02
0-30 psi	303kb01	303kb02	-	303kb02	303kb01	303kb02	-	303kb02
0-60 psi	306kb01	306kb02	306kb01	306kb02	306kb01	306kb02	306kb01	306kb02
0-100 psi	309kb01	309kb02	309kb01	309kb02	309kb01	309kb02	309kb01	309kb02
0-160 psi	312kb01	312kb02	312kb01	312kb02	312kb01	312kb02	312kb01	312kb02
0-200 psi	314kb01	314kb02	314kb01	314kb02	314kb01	314kb02	314kb01	314kb02
0-300 psi	317kb01	317kb02	317kb01	317kb02	317kb01	317kb02	317kb01	317kb02
0-400 psi	319kb01	319kb02	319kb01	319kb02	319kb01	319kb02	319kb01	319kb02
0-600 psi	321kb01	321kb02	321kb01	321kb02	321kb01	321kb02	321kb01	321kb02

Sizes and weights series 3A7620 / 3A7720

3A7621 / 3A7721 bottom



Size	Clamp	A	B	C	D	F	O	P	R	S	T	Wght.	
												Dry	Filled
2 1/2	nps. 1 1/2	2.68	1.18	2.48	2.34	0.40	0.03	20	0.11	1.38	1.97	0.510	0.640
2 1/2	nps. 2	2.68	1.18	2.48	2.34	0.40	0.03	20	0.11	1.65	2.52	0.685	0.820
4	nps. 1 1/2	4.13	1.83	3.90	3.37	0.67	0.03	20	0.11	1.38	1.97	1.215	1.865
4	nps. 2	4.13	1.83	3.90	3.37	0.67	0.03	20	0.11	1.65	2.52	1.390	2.065
63	DN 1 1/2	68	30.0	63	59.5	10.3	0.8	20	2.85	35	50	0.230	0.290
63	DN 2	68	30.0	63	59.5	10.3	0.8	20	2.85	42	64	0.310	0.370
100	DN 1 1/2	105	46.5	99	85.5	17.0	0.8	20	2.85	35	50	0.550	0.845
100	DN 2	105	46.5	99	85.5	17.0	0.8	20	2.85	42	64	0.630	0.935



ENFM part number for capsule gauges

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Product

D = Capsule gauges

series 2000

1

Execution

D = dry

2

Measuring unit

1 = brass

2 = stainless steel

3

Case

3 = stainless steel

4

Bezel

6 = bayonet stainless steel

5

Mounting

A = bottom

B = backflange bottom

C = centerback

D = frontflange centerback

F = U-clamp centerback

6

Case size

3 = 2 1/2" (63 mm)

5 = 4" (100 mm)

7

Thread

B 1/8" NPT

E 1/4" NPT

H 1/2" NPT

8

Pressure Range

-200 / 0 "H ₂ O	119
-160 / 0 "H ₂ O	112
-100 / 0 "H ₂ O	110
-60 / 0 "H ₂ O	108
-30 / 0 "H ₂ O	105
-15 / 0 "H ₂ O	102

0 / 15 "H ₂ O	152
0 / 30 "H ₂ O	155
0 / 60 "H ₂ O	158
0 / 100 "H ₂ O	160
0 / 160 "H ₂ O	162
0 / 200 "H ₂ O	163
0 / 300 "H ₂ O	165

0 - 20 oz in ²	155
0 - 32 oz in ²	157
0 - 60 oz in ²	160

0 - 3 psi	159
0 - 5 psi	161

9

10

11

Window

G = glass

K = Acrylic

V = Safety glass

12

Scale

B = Psi

F = "H₂O/mm

G = "H₂O/Kpa

J = Kpa/"H₂O

K = oz in²/"H₂O

13

Options

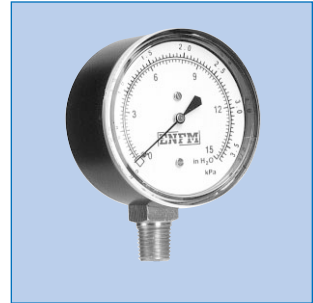
14

15

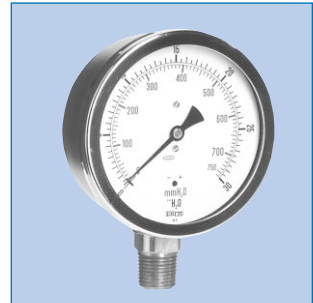
Low Pressure Capsule Gauges

(for part number description, see opposite page)

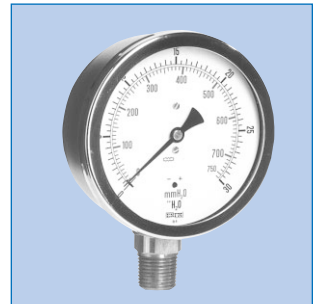
74 Series 2000



76 Series 2510



78 Series 2520



Series 2000





Economy Capsule Gauges

Brass wetted parts
Black steel case
ANSI 2 1/2" case

ENFM economy capsule gauges are perfect for applications requiring grade "B" indication of low pressure gases that are not corrosive to bronze or brass.

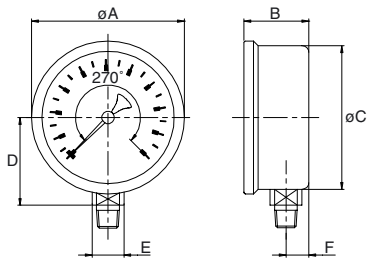
Standard gauge specifications

Case:	Steel, black finish
Dial:	White aluminum with black and blue scales
Pointer:	Black aluminum
Window:	Acrylic
Capsule:	Bronze
Connection:	Brass with snubber
Accuracy:	3-2-3 % of span ASME B40.1 Grade B

		
Series	2001	2004
Case Size	2 1/2"	2 1/2"
Connection Size	1/4" NPT	1/4" NPT
Article number	DD120A3E	DD120C3E
Pressure Ranges		
0-15"H ₂ O/Kpa	152kg	152kg
0-30 "H ₂ O/Kpa	155kg	155kg
0-60" H ₂ O/Kpa	158kg	158kg
0-100"H ₂ O/Kpa	160kg	160kg
0-160"H ₂ O/Kpa	162kg	162kg
0-200"H ₂ O/Kpa	163kg	163kg
0-300"H ₂ O/Kpa	165kg	165kg
0-20 oz./sq.in. / 0-34 "H ₂ O	155kk	155kk
0-32 oz./sq.in. / 0-55 "H ₂ O	157kk	157kk
0-3 psi	159kb	159kb
0-5 psi	161kb	161kb
Vacuum ranges		
-30-0"H ₂ O/Kpa	105kg	105kg
-60-0"H ₂ O/Kpa	108kg	108kg
-100-0"H ₂ O/Kpa	110kg	110kg
-200-0"H ₂ O/Kpa	113kg	113kg

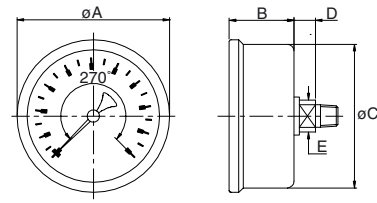
Sizes and weights series 2000

2001 bottom



	Size	A	B	C	D	E	F
inch	2 1/2	2.65	1.80	2.60	1.70	0.63	0.35
mm	66	66.5	46.0	66.0	43.0	16.0	9.0

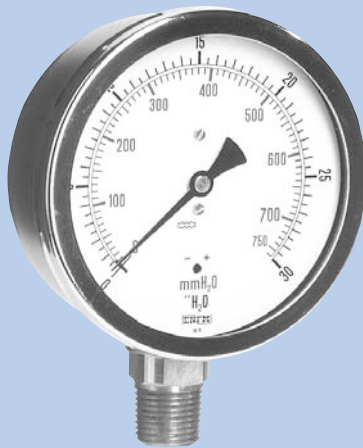
2004 centerback



	Size	A	B	C	D	E
inch	2 1/2	2.65	1.80	2.60	0.45	0.63
mm	66	66.5	46.0	66.0	9.0	16.0



Series 2510



Low Pressure Capsule Gauges

Brass wetted parts
Stainless steel case and bayonet ring
Re-calibration screw on dial
Case size 2 1/2" & 4"

ENFM low pressure gauges utilize a diaphragm capsule which is very sensitive for measuring low pressures and vacuum. These gauges can be used with gases that are not corrosive to bronze and brass.

Standard gauge specifications

Case:	Stainless steel AISI 304
Bezel:	Bayonet stainless steel AISI 304
Dial:	White aluminum with black or black and blue scales and adjustment screw to re-zero the pointer
Pointer:	Black aluminum
Window:	Transparent acrylic
Capsule:	Bronze
Connection:	Brass
Movement:	Brass
Accuracy:	1.6 % of span

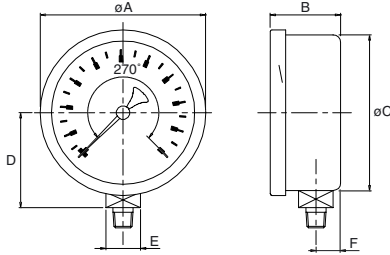
Series	2511	2511	2514	2514
Case Size	2 1/2"	4"	2 1/2"	4"
Connection Size	1/4" NPT	1/4" NPT	1/4" NPT	1/4" NPT
Article number	DD136A3E	DD136A5E	DD136C3E	DD136C5E
Pressure Ranges				
0-15" H ₂ O/mm	152kf	152kf	152kf	152kf
0-30" H ₂ O/mm	155kf	155kf	155kf	155kf
0-60" H ₂ O/mm	158kf	158kf	158kf	158kf
0-100" H ₂ O/mm	160kf	160kf	160kf	160kf
0-160" H ₂ O/mm	162kf	162kf	162kf	162kf
0-200" H ₂ O/mm	163kf	163kf	163kf	163kf
0-15" H ₂ O/Kpa	152kj	152kj	152kj	152kj
0-30" H ₂ O/Kpa	155kj	155kj	155kj	155kj
0-60" H ₂ O/Kpa	158kj	158kj	158kj	158kj
0-100" H ₂ O/Kpa	160kj	160kj	160kj	160kj
0-160" H ₂ O/Kpa	162kj	162kj	162kj	162kj
0-200" H ₂ O/Kpa	163kj	163kj	163kj	163kj
0-20 oz./H ₂ O	155kk	155kk	155kk	155kk
0-32 oz./H ₂ O	157kk	157kk	157kk	157kk
0-60 oz./H ₂ O	160kk	160kk	160kk	160kk
0-3 psi	159kb	159kb	159kb	159kb
0-5 psi	161kb	161kb	161kb	161kb
Vacuum ranges				
-15-0"/H ₂ O/mm	102kf	102kf	102kf	102kf
-30-0"/H ₂ O/mm	105kf	105kf	105kf	105kf
-60-0"/H ₂ O/mm	108kf	108kf	108kf	108kf
-100-0"/H ₂ O/mm	110kf	110kf	110kf	110kf
-160-0"/H ₂ O/mm	112kf	112kf	112kf	112kf
Mounting Options				
Backflange 2512	DD136B3E	DD136B5E		
Frontflange 2516			DD136D3E	DD136D5E
U clamp 2517			DD136F3E	

Items shown in bold are normally stocked items

To order, add pressure range code after article number, example: **DD136A3E152kf**

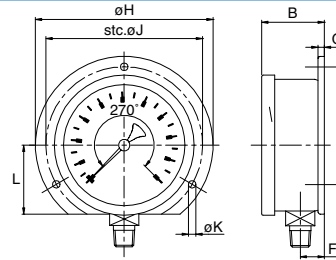
Sizes and weights series 2510

2511 bottom



Size	A	B	C	D	E	F	Wght.
2 1/2	2.68	1.50	2.48	1.52	0.55	0.39	0.465
4	4.13	1.79	3.90	1.24	0.87	0.67	1.260
63	68	38.0	63	38.5	14	10	0.210
100	105	45.5	99	63.0	22	17	0.570

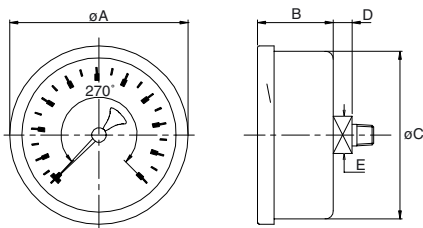
2512 backflange st. steel



for other measurements see 2511

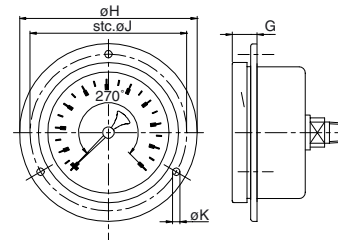
Size	B	F	G	H	J	K	L	Wght.
2 1/2	1.56	0.45	0.12	3.35	2.95	0.14	1.30	0.510
4	1.93	0.77	0.16	5.20	4.57	0.20	2.05	1.415
63	39.5	11.5	3	85	75	3.6	33	0.230
100	49.0	19.5	4	132	116	5.0	52	0.640

2514 centerback



Size	A	B	C	D	E	Wght.
2 1/2	2.68	1.50	2.48	0.28	0.55	0.445
4	4.13	1.46	3.90	0.67	0.87	0.970
63	68	38	63	7	14	0.200
100	105	37	99	17	22	0.440

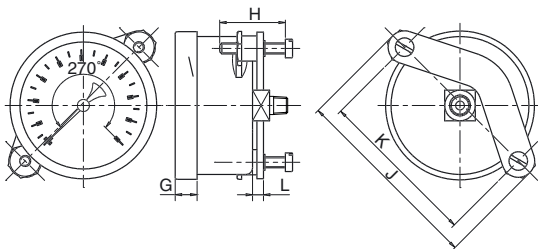
2516 frontflange



for other measurements see 2514

Size	G	H	J	K	Wght.
2 1/2	0.51	3.35	2.95	0.14	0.485
4	0.53	5.20	4.57	0.19	1.125
63	13.0	85	75	3.6	0.220
100	13.5	132	116	4.8	0.510

2517 U-clamp steel, zinc plated



for other measurements see 2514

Size	G	H	J	K	L	Wght.
2 1/2	0.39	1.18	3.48	2.89	0.20	0.565
63	10	30	88.5	73.5	5	0.255



Series 2520



Low Pressure Capsule Gauges

- Stainless steel wetted parts
- Stainless steel case & ring
- Re-calibration screw on dial
- Case size 2 1/2" & 4"

ENFM low pressure gauges of series 2520 utilize a 316 stainless steel diaphragm capsule which is very sensitive for measuring low pressures and vacuum. These gauges can be used with gases that are not corrosive to stainless steel.

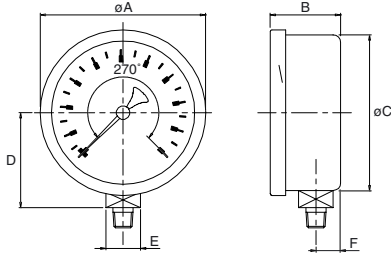
Standard gauge specifications

Case:	Stainless steel AISI 304
Bezel:	Stainless steel AISI 304 polished bayonet ring
Dial:	White aluminum with black or black and blue scales and adjustment screw to re-zero the pointer
Pointer:	Black aluminum
Window:	Laminated safety glass
Capsule:	Stainless steel 316
Connection:	Stainless steel 316
Movement:	Stainless steel
Accuracy:	1.6 % of span

Series	2521	2521	2524	2524
Case Size	2 1/2"	4"	2 1/2"	4"
Connection Size	1/4"NPT	1/4"NPT	1/4"NPT	1/4"NPT
Article number	DD236A3E	DD236A5E	DD236C3E	DD236C5E
Pressure Ranges				
0-15"H ₂ O/mm	152vf	152vf	152vf	152vf
0-30 "H ₂ O/mm	155vf	155vf	155vf	155vf
0-60" H ₂ O/mm	158vf	158vf	158vf	158vf
0-100"H ₂ O/mm	160vf	160vf	160vf	160vf
0-160"H ₂ O/mm	162vf	162vf	162vf	162vf
0-200"H ₂ O/mm	163vf	163vf	163vf	163vf
0-15"H ₂ O/Kpa	152vj	152vj	152vj	152vj
0-30 "H ₂ O/Kpa	155vj	155vj	155vj	155vj
0-60" H ₂ O/Kpa	158vj	158vj	158vj	158vj
0-100"H ₂ O/Kpa	160vj	160vj	160vj	160vj
0-160"H ₂ O/Kpa	162vj	162vj	162vj	162vj
0-200"H ₂ O/Kpa	163vj	163vj	163vj	163vj
0-20 oz./H ₂ O	155vk	155vk	155vk	155vk
0-32 oz./H ₂ O	157vk	157vk	157vk	157vk
0-60 oz./H ₂ O	160vk	160vk	160vk	160vk
0-3 psi	159vb	159vb	159vb	159vb
0-5 psi	161vb	161vb	161vb	161vb
Vacuum ranges				
-15-0"/H ₂ O/mm	102vf	102vf	102vf	102vf
-30-0"/H ₂ O/mm	105vf	105vf	105vf	105vf
-60-0"/H ₂ O/mm	108vf	108vf	108vf	108vf
-100-0"/H ₂ O/mm	110vf	110vf	110vf	110vf
-160-0"/H ₂ O/mm	112vf	112vf	112vf	112vf
Mounting Options				
Backflange 2522	DD236B3E	DD236B5E		
Frontflange 2526			DD236D3E	DD236D5E
U clamp 2527			DD236F3E	

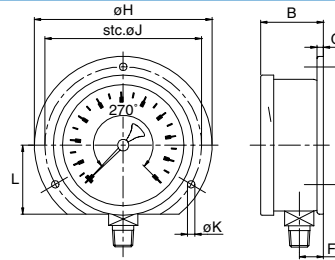
Sizes and weights series 2520

2521 bottom



Size	A	B	C	D	E	F	Wght.
2 1/2	2.68	1.50	2.48	1.52	0.55	0.39	0.465
4	4.13	1.79	3.90	1.24	0.87	0.67	1.260
63	68	38.0	63	38.5	14	10	0.210
100	105	45.5	99	63.0	22	17	0.570

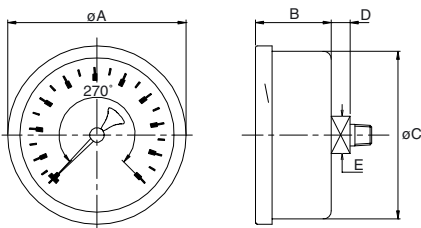
2522 backflange st. steel



for other measurements see 2521

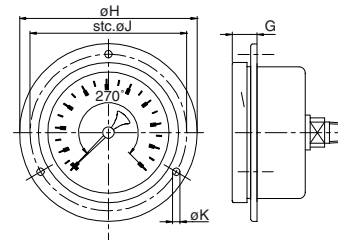
Size	B	F	G	H	J	K	L	Wght.
2 1/2	1.56	0.45	0.12	3.35	2.95	0.14	1.30	0.510
4	1.93	0.77	0.16	5.20	4.57	0.20	2.05	1.415
63	39.5	11.5	3	85	75	3.6	33	0.230
100	49.0	19.5	4	132	116	5.0	52	0.640

2524 centerback



Size	A	B	C	D	E	Wght.
2 1/2	2.68	1.50	2.48	0.28	0.55	0.445
4	4.13	1.46	3.90	0.67	0.87	0.970
63	68	38	63	7	14	0.200
100	105	37	99	17	22	0.440

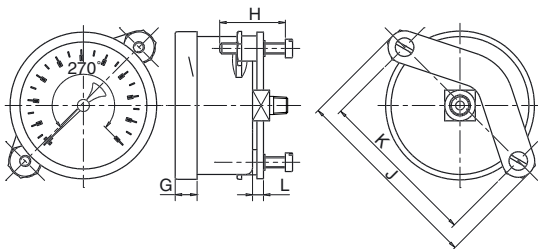
2526 frontflange



for other measurements see 2524

Size	G	H	J	K	Wght.
2 1/2	0.51	3.35	2.95	0.14	0.485
4	0.53	5.20	4.57	0.19	1.125
63	13.0	85	75	3.6	0.220
100	13.5	132	116	4.8	0.510

2527 U-clamp steel, zinc plated



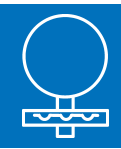
for other measurements see 2524

Size	G	H	J	K	L	Wght.
2 1/2	0.39	1.18	3.48	2.89	0.20	0.565
63	10	30	88.5	73.5	5	0.255



ENFM part number for diaphragm pressure gauges

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15



Product
M = Diaphragm pressure gauges series 1500

1

Execution
18 = diaphragm, clamped with thread
25 = diaphragm, clamped with flange

2
3

Diaphragm Material
1 = stainless steel

4

Bottom Part Material
1 = stainless steel 316L
2 = monel

5

Case and Bezel
6 = stainless steel case with blow out plug and bayonet bezel

6

Case size
5 = 4" (100 mm)
6 = 6" (150 mm)

7

Thread
72 = 1/2" NPT male
73 = 1/2" NPT female

Flange
11 = 1/2" - 150#
21 = 1/2" - 300#
12 = 3/4" - 150#
22 = 3/4" - 300#
13 = 1" - 150#
23 = 1" - 300#
14 = 1 1/2" - 150#
24 = 1 1/2" - 300#
15 = 2" - 150#
25 = 2" - 300#

8
9

Pressure Range

-30"Hg/0	000
-30"Hg/0/15psi	201
-30"Hg/0/30 psi	203
-30"Hg/0/60 psi	205
-30"Hg/0/100 psi	208
-30"Hg/0/150 psi	210
-30"Hg/0/200 psi	212
0-15 psi	301
0-30 psi	303
0-60 psi	306
0-100 psi	309
0-160 psi	312
0-200 psi	314
0-300 psi	317
0-400 psi	319
0-500 psi	320
0-600 psi	321
0 / 5 "H ₂ O	150
0 / 10 "H ₂ O	151
0 / 15 "H ₂ O	152
0 / 30 "H ₂ O	155
0 / 60 "H ₂ O	158
0 / 100 "H ₂ O	160
0 / 200 "H ₂ O	163

10
11
12

Window
V = Safety glass

13

Scale
B = Psi
M = "H₂O

14

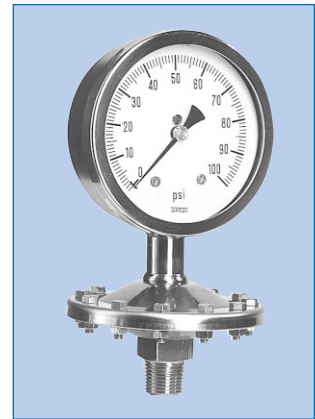
Options

15

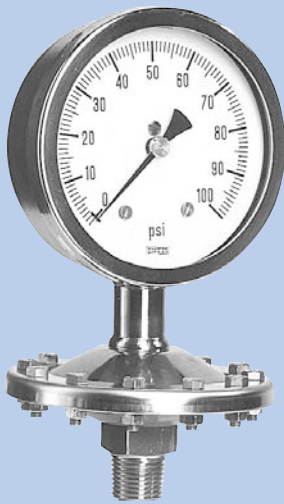
Mechanical Diaphragm Pressure Gauges

(for part number description, see opposite page)

82 Series 1520



Series 1520



Mechanical Diaphragm Pressure Gauges

Connection and Diaphragm 316 Stainless steel case & bayonet ring Case size 4" & 6"

ENFM's stainless steel diaphragm pressure gauges are suitable for applications involving viscous or crystallizing media in harsh environments such as chemical, petrochemical, water and sewage treatment plants and pulp and paper industry.

Standard gauge specifications

Case:	Stainless steel Aisi 304
Bezel:	Stainless steel Aisi 304 polished bayonet ring
Dial:	White aluminum with black or black and blue scales
Pointer:	Black aluminum adjustable
Window:	Laminated Safety glass
Diaphragm:	Stainless steel AISI 316
Connection:	Stainless steel AISI 316
Movement:	Stainless steel
Weather protection:	IP 54
Accuracy:	1.6 % of span
Overrange protection	< 100 psi: 5 x of span > 100 psi: maximum of 600 psi

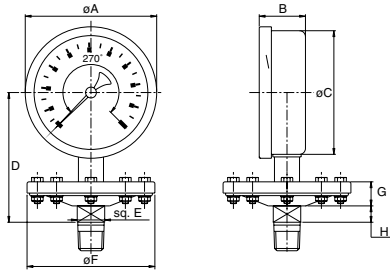
Series	1521	1521	1521	1521
Case Size	4"	4"	6"	6"
Connection Size	1/2"NPT male	1/2"NPT female	1/2"NPT male	1/2"NPT female
Article number	M181165	M181165	M181167	M181167
Flange size	4"	4"	4"	4"
Pressure Ranges				
-30Hg" / 0	72000vb	82000vb	72000vb	82000vb
-30Hg" / 0 / 15 psi	72201vb	82201vb	72201vb	82201vb
-30Hg" / 0 / 30 psi	72203vb	82203vb	72203vb	82203vb
-30Hg" / 0 / 60 psi	72205vb	82205vb	72205vb	82205vb
-30Hg" / 0 / 100 psi	72208vb	82208vb	72208vb	82208vb
-30Hg" / 0 / 160 psi	72211vb	82211vb	72211vb	82211vb
-30Hg" / 0 / 200 psi	72212vb	82212vb	72212vb	82212vb
0 - 10 psi	72300vb	82300vb	72300vb	82300vb
0 - 15 psi	72301vb	82301vb	72301vb	82301vb
0 - 30 psi	72303vb	82303vb	72303vb	82303vb
0 - 60 psi	72306vb	82306vb	72306vb	82306vb
0 - 100 psi	72309vb	82309vb	72309vb	82309vb
0 - 160 psi	72312vb	82312vb	72312vb	82312vb
0 - 200 psi	72314vb	82314vb	72314vb	82314vb
0 - 300 psi	72317vb	82317vb	72317vb	82317vb
0 - 400 psi	72319vb	82319vb	72319vb	82319vb
0 - 600 psi	72321vb	82321vb	72321vb	82321vb
Flange size	5,6"	5,6"	5,6"	5,6"
0 - 5" H20	72150vm	82150vm	72150vm	82150vm
0 - 10" H20	72151vm	82151vm	72151vm	82151vm
0 - 15" H20	72152vm	82152vm	72152vm	82152vm
0 - 30" H20	72155vm	82155vm	72155vm	82155vm
0 - 60" H20	72158vm	82158vm	72158vm	82158vm
0 - 100" H20	72160vm	82160vm	72160vm	82160vm
0 - 200" H20	72163vm	82163vm	72163vm	82163vm

Items shown in **bold** are normally stocked items

To order, add pressure range code after article number, example: **M18116582000vb**

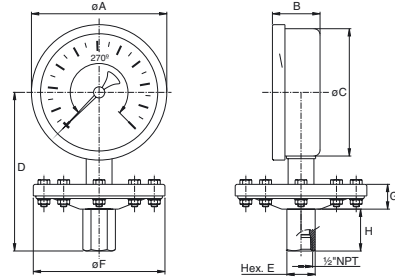
Sizes and weights series 1520

1520 bottom male



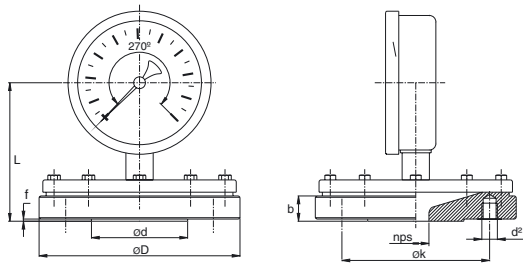
	Size	A	B	C	D	E	F		G	H
							5-200 ”H ₂ O	10-600 psi		
inch	4	4.13	1.46	3.90	4.25	0.87	5.60	4.00	0.79	0.51
	6	6.22	1.50	5.85	5.24	0.87	5.60	4.00	0.79	0.51
mm	100	105	37	99	108	22	142	102	20	13
	150	158	38	148.5	133	22	142	102	20	13

1520 bottom female



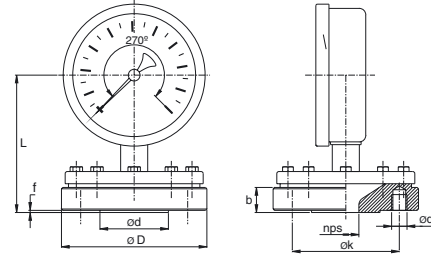
	Size	A	B	C	D	E	F		G	H
							5-200 ”H ₂ O	10-600 psi		
inch	4	4.13	1.46	3.90	5.31	1.06	5.60	4.00	0.79	1.57
	6	6.22	1.50	5.85	6.30	1.06	5.60	4.00	0.79	1.57
mm	100	105	37	99	135	27	142	102	20	40
	150	158	38	148.5	160	27	142	102	20	41

1521 with flange connection 5-200”H₂O



	Nom. pipe size	Class	D	k	d	b	f	d ² (UNC)	L gauge	L gauge	
									Ø 100	Ø 150	
inch	1/2"	150	5.43	2.38	1.38	1.12	0.06	4 x 1/2"	4.47	5.45	
		300	5.43	2.62	1.38	1.10	0.06	4 x 1/2"	4.45	5.43	
	3/4"	150	5.43	2.75	1.69	1.08	0.06	4 x 1/2"	4.43	5.41	
		300	5.43	3.25	1.69	1.26	0.06	4 x 5/8"	4.61	5.59	
	1"	150	5.43	3.12	2.00	1.04	0.06	4 x 1/2"	4.39	5.37	
		300	5.43	3.50	2.00	1.26	0.06	4 x 5/8"	4.61	5.59	
	1 1/2"	150	5.00	5.43	2.88	0.96	0.06	4 x 1/2"	4.31	5.30	
		300	6.12	4.50	2.88	1.28	0.06	4 x 3/4"	4.63	5.61	
	2"	150	6.00	4.75	3.62	1.06	0.06	4 x 5/8"	4.41	5.39	
		300	6.50	5.00	3.62	1.06	0.06	4 x 5/8"	4.41	5.39	
	mm	1/2"	150	138.0	60.5	34.9	28.5	1.60	4 x 1/2"	113.5	138.5
			300	138.0	66.7	34.9	28.0	1.60	4 x 1/2"	113.0	138.0
3/4"		150	138.0	69.8	42.9	27.5	1.60	4 x 1/2"	112.5	137.5	
		300	138.0	82.5	42.9	32.0	1.60	4 x 5/8"	117.0	142.0	
1"		150	138.0	79.3	50.8	26.5	1.60	4 x 1/2"	111.5	136.5	
		300	138.0	88.9	50.8	32.0	1.60	4 x 5/8"	117.0	142.0	
1 1/2"		150	138.0	98.5	73.0	24.5	1.60	4 x 1/2"	109.5	134.5	
		300	155.5	114.3	73.0	32.5	1.60	4 x 3/4"	117.5	142.5	
2"		150	152.4	120.6	92.0	27.0	1.60	4 x 5/8"	112.0	137.0	
		300	165.1	127.0	92.0	27.0	1.60	4 x 5/8"	112.0	137.0	

1521 with flange connection 10-600 psi



	Nom. pipe size	Class	D	k	d	b	f	d ² (UNC)	L gauge	L gauge	
									Ø 100	Ø 150	
inch	1/2"	150	3.86	2.38	1.38	0.98	0.06	4 x 1/2"	4.33	5.31	
		300	3.86	2.62	1.38	0.94	0.06	4 x 1/2"	4.29	5.28	
	3/4"	150	3.86	2.75	1.69	0.94	0.06	4 x 1/2"	4.29	5.28	
		300	4.62	3.25	1.69	1.02	0.06	4 x 5/8"	4.37	5.35	
	1"	150	4.25	3.12	2.00	0.85	0.06	4 x 1/2"	4.19	5.18	
		300	4.88	3.50	2.00	1.00	0.06	4 x 5/8"	4.35	5.33	
	1 1/2"	150	5.00	3.88	2.88	0.91	0.06	4 x 1/2"	4.25	5.24	
		300	6.12	4.50	2.88	1.28	0.06	4 x 3/4"	4.63	5.61	
	2"	150	6.00	4.75	3.62	0.75	0.06	4 x 5/8"	4.09	5.08	
		300	6.50	5.00	3.62	0.87	0.06	4 x 5/8"	4.21	5.20	
	mm	1/2"	150	98.0	60.5	34.9	25.0	1.60	4 x 1/2"	110.0	135.0
			300	98.0	66.7	34.9	24.0	1.60	4 x 1/2"	109.0	134.0
3/4"		150	98.0	69.8	42.9	24.0	1.60	4 x 1/2"	109.0	134.0	
		300	117.5	82.5	42.9	26.0	1.60	4 x 5/8"	111.0	136.0	
1"		150	108.0	79.3	50.8	21.5	1.60	4 x 1/2"	106.5	131.5	
		300	124.0	88.9	50.8	25.5	1.60	4 x 5/8"	110.5	135.5	
1 1/2"		150	127.0	98.5	73.0	23.0	1.60	4 x 1/2"	108.0	133.0	
		300	155.5	114.3	73.0	32.5	1.60	4 x 3/4"	117.5	142.5	
2"		150	152.4	120.6	92.0	19.0	1.60	4 x 5/8"	104.0	129.0	
		300	165.1	127.0	92.0	22.0	1.60	4 x 5/8"	107.0	132.0	



Differential Pressure Gauges

86 Series 5500



Series 5500



Differential Pressure Gauges

Copper Alloy or stainless steel wetted parts
 Stainless steel case
 Case size 6"

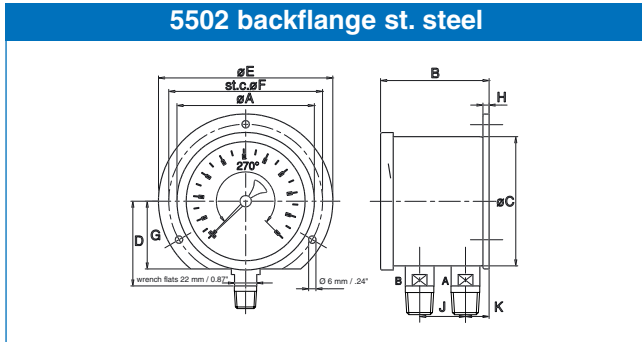
ENFM differential pressure gauges are suitable for a medium which does not clog connection port or corrode brass (5512) or Stainless steel (5522). A special subtracting movement drives one pointer to display the differential pressure in a system.

Standard gauge specifications

- Case:** Stainless steel AISI 304 with backflange and blow out
- Bezel:** Stainless steel AISI 304 polished bayonet
- Dial:** White aluminum with black scales
- Pointer:** Black aluminum
- Window:** Laminated Safety Glass
- Bourdon tube:** ≤ 600 psi : "C" shaped phosphor bronze (5512) or st. steel AISI 316 (5522),
 > 600 psi : helical phosphor bronze (5512) or st. steel AISI 316 (5522)
- Connection:** Brass or stainless steel AISI 316
- Movement:** Special subtracting movement brass
- Accuracy:** 1.6 % of span ASME B40.1 Grade A

Series		5512	5522		5512	5522
Case		6"	6"		6"	6"
Connection		2 x 1/4"NPT	2 x 1/4"NPT		2 x 1/4"NPT	2 x 1/4"NPT
Scale		psi	psi		psi	psi
Article number		VD166B7E	VD266B7E		VD166B7E	VD266B7E
Differential pressure Range	max. pressure scale over 270°			max. pressure scale over 70°		
15 psi	30 psi	301gb1	301gb1	150 psi	301gb2	301gb2
30 psi	60 psi	303gb1	303gb1	300 psi	303gb2	303gb2
60 psi	120 psi	306gb1	306gb1	600 psi	306gb2	306gb2
100 psi	200 psi	309gb1	309gb1	1000 psi	309gb2	309gb2
160 psi	320 psi	312gb1	312gb1	1600 psi	312gb2	312gb2
200 psi	400 psi	314gb1	314gb1	2000 psi	314gb2	314gb2
300 psi	600 psi	317gb1	317gb1	3000 psi	317gb2	317gb2
400 psi	800 psi	319gb1	319gb1	4000 psi	319gb2	319gb2
600 psi	1200 psi	321gb1	321gb1	6000 psi	321gb2	321gb2
800 psi	1600 psi	322gb1	322gb1	8000 psi	322gb2	322gb2
1000 psi	2000 psi	323gb1	323gb1	10000 psi	323gb2	323gb2
15/0/15 psi		303gb3	303gb3		303gb4	303gb4
30/0/30 psi		306gb3	306gb3		306gb4	306gb4
50/0/50 psi		309gb3	309gb3		309gb4	309gb4
100/0/100 psi		314gb3	314gb3		314gb4	314gb4
150/0/150 psi		317gb3	317gb3		317gb4	317gb4
200/0/200 psi		319gb3	319gb3		319gb4	319gb4
400/0/400 psi		322gb3	322gb3		322gb4	322gb4
500/0/500 psi		323gb3	323gb3		323gb4	323gb4

Sizes and weights series 5500



Size	A	B	C	D	E	F	G	H	J	K
6	6.61	3.70	6.24	3.82	7.72	7.01	3.27	0.24	1.38	1.08
160	168	94	158.5	97	196	178	83	6	35	27.5



Diaphragm Seals

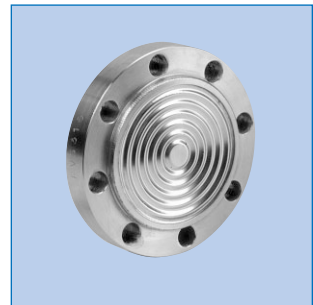
- 90 **Series 05-100**
Threaded off line connection compound thru 500 psi
- Series 05-150**
Threaded off line connection 200-2500 psi
- Series 05-170**
Threaded off line connection 1000-6000 psi



- 92 **Series 05-200**
Threaded Process Connection
- Series 05-500**
Flanged Process connection



- 94 **Series 05-400**
Flanged Process Connection



- 96 **Series 05-700**
Tri-Clamp®



Series 05-100

Series 05-150

Series 05-170



Mini diaphragm seal

Series 05-100
Threaded off line connection
compound thru 500 psi

Series 05-150
Threaded off line connection
200-2500 psi

Series 05-170
Threaded off line connection
1000-6000 psi

ENFM diaphragm seals are suitable to protect a pressure instrument from contaminated, corrosive, hot or viscous media.

Standard seal specifications

- Instrument connection:** Stainless steel 316, 1/4" or 1/2"NPT
- Diaphragm:** Stainless steel 316, welded between upper and lower housing
- Process connection:** Stainless steel 316, 1/4" or 1/2"NPT male or female
Available with 1/8" flush port.

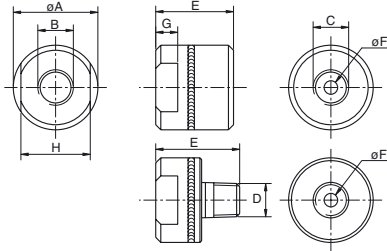
Pressure rating	500 psi		200-2500 psi		1000-6000 psi	
Instrument connection	1/4"NPT female	1/2"NPT female	1/4"NPT female	1/2"NPT female	1/4"NPT female	1/4"NPT female
Upperpart,Diaphragm & Bottom part all 316 ss						
Article number	O115011	O115011	O114011	O114011	O113311	O113311
Process connection						
1/4"NPT female	3421200	3421400	6421200	6421400	8421200	8421400
1/2"NPT female	3821200	3821400	6821200	6821400	8821200	8821400
1/4"NPT male	3321200	3321400	6321200	6321400	8321200	8321400
1/2"NPT male	3721200	3721400	6721200	6721400	8721200	8721400
Upperpart,Diaphragm & Bottom part with 1/8 "NPT flushing port all 316 ss						
Article number	O125011	O125011	O124011	O124011	O123311	O123311
Process connection with flushing port						
1/4"NPT female	34212001	34214001	64212001	64214001	84212001	84214001
1/2"NPT female	38212001	38214001	68212001	68214001	88212001	88214001
1/4"NPT male	33212001	33214001	63212001	63214001	83212001	83214001
1/2"NPT male	37212001	37214001	67212001	67214001	87212001	87214001

Items shown in **bold** are normally stocked items

Options: Diaphragm and Bottompart, Hastelloy C276

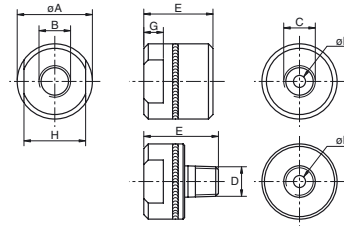
Sizes series 05-100 / 150 / 170

05-100 threaded off line connection compound thru 500 psi



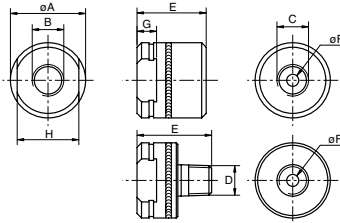
	A	B	C	D	E	F	G	H	with 1/8 flush. port
inch	1.97	1/4"NPT	1/4"NPT		1.42	0.43	0.51	1.61	E + 0.59
	1.97	1/4"NPT	1/2"NPT		1.57	0.63	0.51	1.61	E + 0.55
	1.97	1/2"NPT	1/4"NPT		1.61	0.43	0.71	1.61	E + 0.59
	1.97	1/2"NPT	1/2"NPT		1.77	0.63	0.71	1.61	E + 0.55
	1.97	1/4"NPT		1/4"NPT	1.73	0.24	0.51	1.61	E + 0.51
	1.97	1/4"NPT		1/2"NPT	1.93	0.47	0.51	1.61	E + 0.51
	1.97	1/2"NPT		1/4"NPT	1.93	0.24	0.71	1.61	E + 0.51
	1.97	1/2"NPT		1/2"NPT	2.13	0.47	0.71	1.61	E + 0.51
	mm	50	1/4"NPT	1/4"NPT		36	11	13	41
50		1/4"NPT	1/2"NPT		40	16	13	41	E + 14
50		1/2"NPT	1/4"NPT		41	11	18	41	E + 15
50		1/2"NPT	1/2"NPT		45	16	18	41	E + 14
50		1/4"NPT		1/4"NPT	44	6	13	41	E + 13
50		1/4"NPT		1/2"NPT	49	12	13	41	E + 13
50		1/2"NPT		1/4"NPT	49	6	18	41	E + 13
50		1/2"NPT		1/2"NPT	54	12	18	41	E + 13

05-150 threaded off line connection 200-2500 psi



	A	B	C	D	E	F	G	H	with 1/8 flush. port
inch	1.57	1/4"NPT	1/4"NPT		1.42	0.43	0.51	1.42	E + 0.59
	1.57	1/4"NPT	1/2"NPT		1.57	0.63	0.51	1.42	E + 0.55
	1.57	1/2"NPT	1/4"NPT		1.61	0.43	0.71	1.42	E + 0.59
	1.57	1/2"NPT	1/2"NPT		1.77	0.63	0.71	1.42	E + 0.55
	1.57	1/4"NPT		1/4"NPT	1.73	0.24	0.51	1.42	E + 0.51
	1.57	1/4"NPT		1/2"NPT	1.93	0.47	0.51	1.42	E + 0.51
	1.57	1/2"NPT		1/4"NPT	1.93	0.24	0.71	1.42	E + 0.51
	1.57	1/2"NPT		1/2"NPT	2.13	0.47	0.71	1.42	E + 0.51
	mm	40	1/4"NPT	1/4"NPT		36	11	13	36
40		1/4"NPT	1/2"NPT		40	16	13	36	E + 14
40		1/2"NPT	1/4"NPT		41	11	18	36	E + 15
40		1/2"NPT	1/2"NPT		45	16	18	36	E + 14
40		1/4"NPT		1/4"NPT	44	6	13	36	E + 13
40		1/4"NPT		1/2"NPT	49	12	13	36	E + 13
40		1/2"NPT		1/4"NPT	49	6	18	36	E + 13
40		1/2"NPT		1/2"NPT	54	12	18	36	E + 13

05-170 threaded off line connection 1000-6000 psi



	A	B	C	D	E	F	G	H	with 1/8 flush. port
mm	1.57	1/4"NPT	1/4"NPT		1.42	0.43	0.51	1.42	E + 0.59
	1.57	1/4"NPT	1/2"NPT		1.57	0.63	0.51	1.42	E + 0.55
	1.57	1/2"NPT	1/4"NPT		1.61	0.43	0.71	1.42	E + 0.59
	1.57	1/2"NPT	1/2"NPT		1.77	0.63	0.71	1.42	E + 0.55
	1.57	1/4"NPT		1/4"NPT	1.73	0.24	0.51	1.42	E + 0.51
	1.57	1/4"NPT		1/2"NPT	1.93	0.47	0.51	1.42	E + 0.51
	1.57	1/2"NPT		1/4"NPT	1.93	0.24	0.71	1.42	E + 0.51
	1.57	1/2"NPT		1/2"NPT	2.13	0.47	0.71	1.42	E + 0.51
	inch	40	1/4"NPT	1/4"NPT		36	11	13	36
40		1/4"NPT	1/2"NPT		40	16	13	36	E + 14
40		1/2"NPT	1/4"NPT		41	11	18	36	E + 15
40		1/2"NPT	1/2"NPT		45	16	18	36	E + 14
40		1/4"NPT		1/4"NPT	44	6	13	36	E + 13
40		1/4"NPT		1/2"NPT	49	12	13	36	E + 13
40		1/2"NPT		1/4"NPT	49	6	18	36	E + 13
40		1/2"NPT		1/2"NPT	54	12	18	36	E + 13



Series 05-200 Series 05-500



Diaphragm seal

Series 05-200 Threaded Process Connection Series 05-500 Flanged Process connection

ENFM diaphragm seals are suitable to protect a pressure instrument or transmitter from contaminated, corrosive, hot or viscous process media.

Standard seal specifications

Pressure rating:	2500 psi for series 05-200 150# or 300# ect based on flange rating
Execution	
Instrument connection:	1/2" NPT
Top housing:	stainless steel AISI 316
Diaphragm:	Welded to top housing AISI 316
Bottom housing	Stainless steel AISI 316
Process Connection	Series 05-200: 1/2" NPT male or female Series 05-500: flanged sizes 1/2", 3/4", 1", class 150# , 300 #, 600# or 1500# raised face per ASME/ANSI B16.5
Nuts and Bolts	stainless steel

05-200

Pressure rating	15-2500 psi
Instrument connection	1/2" NPT
Upperpart, Diaphragm & Bottom part all 316 ss	Series 05-200
Article number	O116511
Process connection	
1/2" NPT female	88214B
1/2" NPT male	87214B

05-500

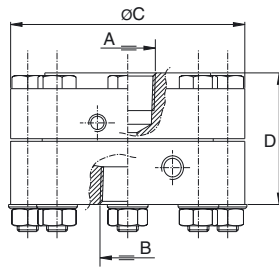
Top housing, diaphragm and bottom housing stainless steel 316 Series 05-500			
Article number		O216511	O216511
Instrument connection		1/4" NPT	1/2" NPT
Flange size	ANSI B 16.5		
	Class		
1/2"	150	11113b	11114b
1/2"	300	21113b	21114b
1/2"	600	41113b	41114b
1/2"	1500	61113b	61114b
3/4"	150	12113b	12114b
3/4"	300	22113b	22114b
3/4"	600	42113b	42114b
3/4"	1500	62113b	62114b
1"	150	13113b	13114b
1"	300	23113b	23114b
1"	600	43113b	43114b
1"	1500	63113b	63114b

Options:

Instrument connection:	G 1/2" female
Toppart:	Carbon steel
Process connection:	G 1/2" female or male, other threaded connections.
Diaphragm:	Stainless steel AISI 316 teflon coated, Monel 400, Hastelloy B, Hastelloy C, Tantalum
Bottom housing:	Stainless steel AISI 316 teflon lined, Monel 400, Hastelloy B, Hastelloy C, Flange 316 ss with tantalum lining, flush connection 1/8" NPT

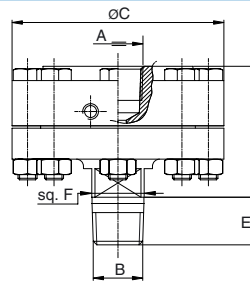
Sizes series 05-200 / 05-500

05-200 Threaded female process connection 15-2500 psi



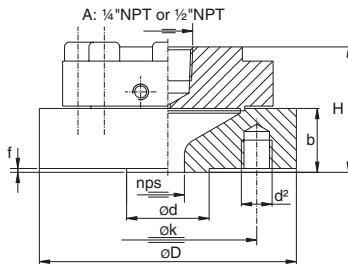
	A	B	C	D
inch	1/2"NPT	1/2"NPT	3.50	2.05
mm	1/2"NPT	1/2"NPT	89	52

05-200 Threaded male process connection 15-2500 psi



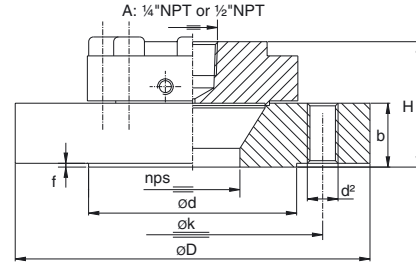
	A	B	C	D	E	F
inch	1/2"NPT	1/2"NPT	3.50	2.17	0.79	0.87
mm	1/2"NPT	1/2"NPT	89	55	20	22

05-500 flanged process connection ANSI B 16.5



DN	Class	D	k	d	b	f	d ² (UNC)	H
1/2"	150	3.50	2.38	1.37	1.10	0.06	4 x 1/2"	2.20
1/2"	300	3.75	2.62	1.38	1.02	0.06	4 x 1/2"	2.13
1/2"	400/600	3.75	2.62	1.38	1.22	0.25	4 x 1/2"	2.32
1/2"	900/1500	4.75	3.25	1.38	1.50	0.25	4 x 3/4"	2.60
3/4"	150	3.88	2.75	1.69	0.98	0.06	4 x 1/2"	2.09
3/4"	300	4.62	3.25	1.69	1.06	0.06	4 x 5/8"	2.17
3/4"	400/600	4.62	3.25	1.69	1.26	0.25	4 x 5/8"	2.36
3/4"	900/1500	5.12	3.50	1.69	1.50	0.25	4 x 3/4"	2.60
1"	150	4.25	3.12	2.00	0.90	0.06	4 x 1/2"	2.00
1"	300	4.88	3.50	2.00	0.94	0.06	4 x 5/8"	2.17
1"	400/600	4.88	3.50	2.00	1.26	0.25	4 x 5/8"	2.36
1"	900/1500	5.88	4.00	2.00	1.61	0.25	4 x 7/8"	2.72
1 1/2"	150	5.00	3.88	2.88	0.94	0.06	4 x 1/2"	2.05
1/2"	150	89.0	60.3	34.9	28	1.6	4 x 1/2"	56
1/2"	300	95.0	66.7	34.9	26	1.6	4 x 1/2"	54
1/2"	400/600	95.0	66.7	34.9	31	6.3	4 x 1/2"	59
1/2"	900/1500	120.6	82.5	34.9	38	6.3	4 x 3/4"	66
3/4"	150	98.4	69.8	42.9	25	1.6	4 x 1/2"	53
3/4"	300	117.5	82.5	42.9	27	1.6	4 x 5/8"	55
3/4"	400/600	117.5	82.5	42.9	32	6.3	4 x 5/8"	60
3/4"	900/1500	130.0	88.9	42.9	38	6.3	4 x 3/4"	66
1"	150	108.0	79.4	50.8	23	1.6	4 x 1/2"	51
1"	300	124.0	88.9	50.8	27	1.6	4 x 5/8"	55
1"	400/600	124.0	88.9	50.8	32	6.3	4 x 5/8"	60
1"	900/1500	149.0	101.6	50.8	41	6.3	4 x 7/8"	69
1 1/2"	150	127.0	98.4	73.0	24	1.6	4 x 1/2"	52

05-500 flanged process connection ANSI B 16.5



DN	Class	D	k	d	b	f	d ² (UNC)	H
1 1/2"	300	6.12	4.50	2.88	0.81	0.06	4 x 3/4"	1.93
1 1/2"	400/600	6.12	4.50	2.88	1.13	0.25	4 x 3/4"	2.24
1 1/2"	900/1500	7.00	4.88	2.88	1.50	0.25	4 x 1"	2.60
1 1/2"	300	155.4	114.3	73	20.6	1.6	4 x 3/4"	49
1 1/2"	400/600	155.4	114.3	73	28.7	6.3	4 x 3/4"	57
1 1/2"	900/1500	178.0	124.0	73	38.1	6.3	4 x 1"	66



Series 05-400

Diaphragm Seals

Serie 05-400 Flange connection

ENFM diaphragm seals are suitable to protect a pressure instrument or transmitter from contaminated, corrosive, hot or viscous process media.

Execution

Instrument connection: Stainless steel AISI 316, 1/2" NPT
Diaphragm: Stainless steel AISI 316, welded to flange
Process connection: Flange stainless steel AISI 316 according to ANSI B 16.5



Diaphragm, flange stainless steel aisi 316

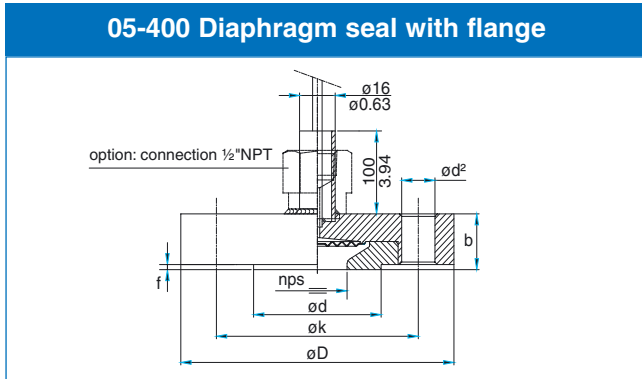
Instrument connection		1/2" NPT
Flange	ANSI B 16.5	
DN	Class	
Article number		O334011
1/2"	150	1111400
1/2"	300	2111400
3/4"	150	1211400
3/4"	300	2211400
1"	150	1311400
1"	300	2311400
Article number		O335011
1 1/2"	150	1411400
1 1/2"	300	2411400
1 1/2"	600	4411400
1 1/2"	1500	6411400
1 1/2"	2500	7411400
Article number		O336011
2"	150	1511400
2"	300	2511400
2"	600	4511400
2"	1500	6511400
2"	2500	7511400
Article number		O339011
3"	150	1711400
3"	300	2711400
3"	600	4711400
3"	900	5711400
3"	1500	6711400
3"	2500	7711400

Options

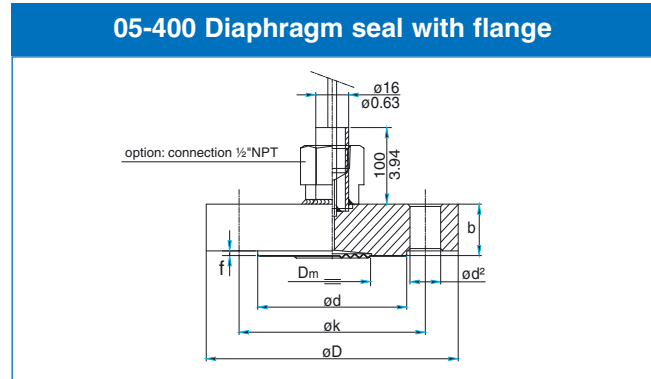
Diaphragm: Stainless steel AISI 316 teflon lined, Hastelloy B, Hastelloy C, Monel, Tantal

To order, add flange size code after article number, example: **O3340111111400**

Sizes series 05-400



DN	Class	D	k	d	b	f	d ²	Dm
1/2"	150	3.50	2.38	1.38	0.79	0.06	4 x $\phi 15.9$	1.26
1/2"	300	3.75	2.62	1.38	0.79	0.06	4 x $\phi 15.9$	1.57
3/4"	150	3.88	2.75	1.69	0.79	0.06	4 x $\phi 15.9$	1.57
3/4"	300	4.63	3.25	1.69	0.79	0.06	4 x $\phi 19.0$	1.57
1"	150	4.25	3.13	2.00	0.79	0.06	4 x $\phi 15.9$	2.05
1"	300	4.88	3.50	2.00	0.79	0.06	4 x $\phi 19.0$	2.05
1/2"	150	88.9	60.5	35.0	20.0	1.60	4 x $\phi 0.63$	32.0
1/2"	300	95.2	66.5	35.0	20.0	1.60	4 x $\phi 0.63$	40.0
3/4"	150	98.6	69.8	42.9	20.0	1.60	4 x $\phi 0.63$	40.0
3/4"	300	117.5	82.5	42.9	20.2	1.60	4 x $\phi 0.75$	40.0
1"	150	107.9	79.4	50.8	20.2	1.60	4 x $\phi 0.63$	52.0
1"	300	124.0	88.9	50.8	20.2	1.60	4 x $\phi 0.75$	52.0



DN	Class	D	k	d	b	f	d ²	Dm
1 1/2"	150	5.00	3.88	2.88	0.69	0.06	4 x $\phi 0.62$	1.89
1 1/2"	300	6.12	4.50	2.88	0.81	0.06	4 x $\phi 0.89$	1.89
1 1/2"	400/600	6.12	4.50	2.88	1.13	0.25	4 x $\phi 0.89$	1.89
1 1/2"	900/1500	7.00	4.88	2.88	1.50	0.25	4 x $\phi 1.12$	1.89
1 1/2"	2500	8.00	5.75	2.88	2.00	0.25	4 x $\phi 1.25$	1.89
2"	150	6.00	4.75	3.62	0.75	0.06	4 x $\phi 0.75$	2.32
2"	300	6.50	5.00	3.62	0.88	0.06	4 x $\phi 0.75$	2.32
2"	400/600	6.50	5.00	3.62	1.25	0.25	4 x $\phi 0.75$	2.32
2"	900/1500	8.50	6.50	3.62	1.75	0.25	4 x $\phi 1.00$	2.32
2"	2500	9.25	6.75	3.62	2.25	0.25	4 x $\phi 1.12$	2.32
3"	150	7.50	6.00	5.00	0.95	0.06	4 x $\phi 0.94$	3.50
3"	300	8.25	6.62	5.00	1.13	0.06	4 x $\phi 0.89$	3.50
3"	400/600	8.25	6.62	5.00	1.50	0.25	4 x $\phi 0.89$	3.50
3"	900	9.50	7.50	5.00	1.75	0.25	4 x $\phi 1.00$	3.50
3"	1500	10.50	8.00	5.00	2.13	0.25	4 x $\phi 1.25$	3.50
3"	2500	12.00	9.00	5.00	2.87	0.25	4 x $\phi 1.38$	3.50
1 1/2"	150	127.0	98.6	73.1	17.5	1.6	4 x $\phi 15.75$	48
1 1/2"	300	155.5	114.3	73.1	20.6	1.6	4 x $\phi 22.50$	48
1 1/2"	400/600	155.5	114.3	73.1	28.7	6.3	4 x $\phi 22.50$	48
1 1/2"	900/1500	177.8	124.0	73.1	38.1	6.3	4 x $\phi 28.50$	48
1 1/2"	2500	203.2	146.1	73.1	50.8	6.3	4 x $\phi 31.75$	48
2"	150	152.4	120.6	91.9	19.0	1.6	4 x $\phi 19.00$	59
2"	300	165.1	127.0	91.9	22.4	1.6	4 x $\phi 19.00$	59
2"	400/600	165.1	127.0	91.9	31.8	6.3	4 x $\phi 19.00$	59
2"	900/1500	215.9	165.1	91.9	44.5	6.3	4 x $\phi 25.40$	59
2"	2500	235.0	171.5	91.9	57.2	6.3	4 x $\phi 28.50$	59
3"	150	190.5	152.4	127.0	23.9	1.6	4 x $\phi 19.00$	89
3"	300	209.6	168.2	127.0	28.5	1.6	4 x $\phi 22.50$	89
3"	400/600	209.6	168.2	127.0	38.1	6.3	4 x $\phi 22.50$	89
3"	900	241.3	190.5	127.0	44.5	6.3	4 x $\phi 25.40$	89
3"	1500	266.7	203.2	127.0	54.1	6.3	4 x $\phi 31.75$	89
3"	2500	304.8	228.6	127.0	72.9	6.3	4 x $\phi 35.00$	89



Series 05-700

Diaphragm Seals



Series 05-750 Tri-Clamp®

ENFM chemical seals provide protection for bourdon tube pressure gauges, switches or transmitters. The unique design of the seal lends itself to applications involving corrosive, contaminated, hot or highly viscous process media such as those typically found in the food, biotechnology and pharmaceutical industries.

Execution

- Instrumentconnection:** stainless steel AISI 316
- Diaphragm:** stainless steel AISI 316, welded
- Procesconnection** 1 1/2", 2" or 2 1/2" Sanitary Quick release clamp piping system



Diaphragm, Procesconnection stainless steel 316

Series		05-750 Clamp	05-750 Clamp
Instrument connection		1/4"NPT	1/2"NPT
Process connection	max. pressure rating		
Article number		O51	O51
1 1/2"	600 psi	331144002	331144004
2"	600 psi	401145002	401145004

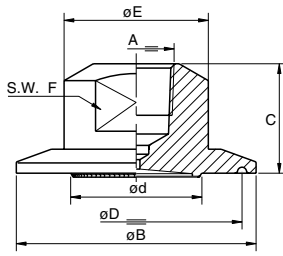
Options

Clamp to SMS standard, Din 11851

To order, add process connection code after article number, example: **O51331144002**

Sizes Series 05-750

05-750 Diaphragm seal

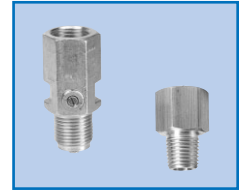


	DN	PN	A	B	C	d	D	E	F
inch	1 1/2"	600 psi	1/4"NPT	1.97	0.94	1.38	1.70	1.52	1.25
	2"	600 psi	1/4"NPT	2.52	0.94	1.65	2.22	1.52	1.25
	1 1/2"	600 psi	1/2"NPT	1.97	1.14	1.38	1.70	1.52	1.25
	2"	600 psi	1/2"NPT	2.52	1.14	1.65	2.22	1.52	1.25
mm	1 1/2"	40 bar	1/4"NPT	50	24	35	43.4	38.5	32
	2"	40 bar	1/4"NPT	64	24	42	56.5	38.5	32
	1 1/4"	40 bar	1/2"NPT	50	29	35	43.4	38.5	32
	2"	40 bar	1/2"NPT	64	29	42	56.5	38.5	32

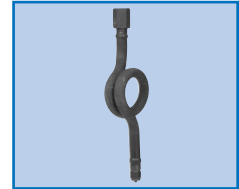


Accessories

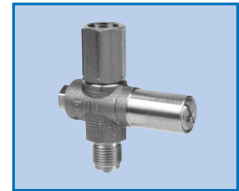
100 Snubbers



101 Siphons



102 Overpressure protector



102 Rubber covers



103 Maximum slip pointer



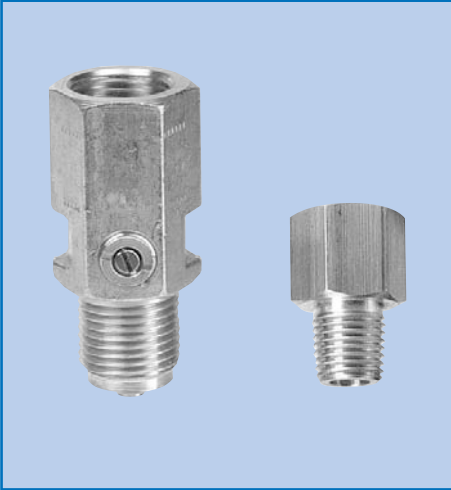
103 Frontflange

103 Panel ring

104 Electrical contacts



Series 06-300



Snubbers

Series 06-300

Pressure snubber, adjustable

Pressure snubbers protect pressure instruments against surges and pressure shocks. Throttling snubbers have a built-in needle valve that allows you to adjust the amount of snubbing externally.

Series 06-310

Pressure snubber with cinkered element

The pressure snubbers with the cinkered element are not adjustable, however the gauge pointer moves across the scale at a rate which is proportional to the pressure differential across the snubber element.

06-300

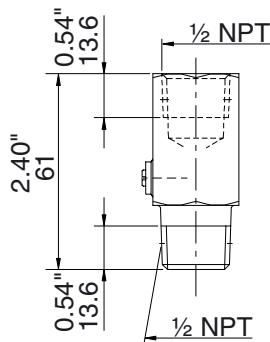
Material	Brass	Stainless steel
Pressure rating	3000 psi	6000 psi
O-Ring	Viton	Viton
Instrument connection	1/2" NPT	1/2" NPT
Proces Connection	1/2" NPT	1/2" NPT
Article number	AD182721	AD282722

06-310

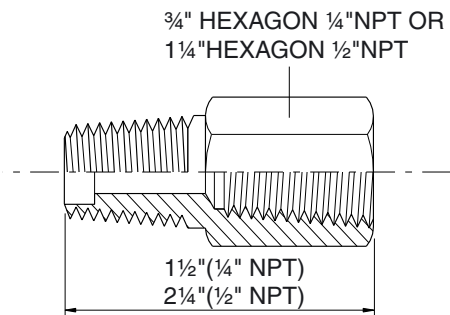
Material	Brass	Stainless steel		
Pressure rating	5000 psi	10000 psi		
Instrument connection	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Proces Connection	1/4" NPT	1/2" NPT	1/4" NPT	1/2" NPT
Article number	AC142322	AC182722	AC242323	AC282723

Sizes Snubbers

06-300 Snubbers



06-310 Snubbers



Series 06-400

Siphons

Siphons should be used to protect pressure instruments in live steam service or other hot vapor applications. The vapor condenses inside the coil of the siphon which prevents the high temperature vapors from reaching the sensing element of the pressure instrument.

Standard execution

- Type C Coil siphon with connection
- Type D Coil siphon with welding connection



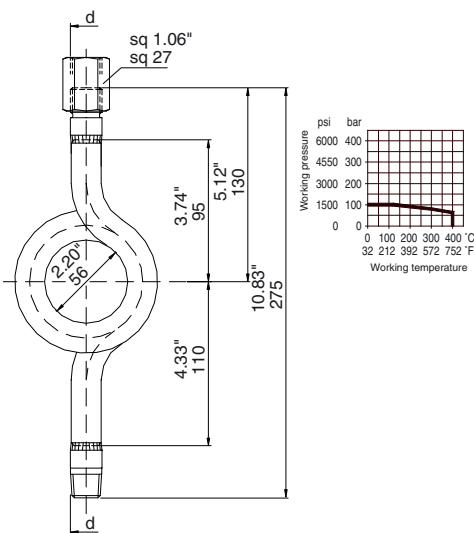
Material	Steel	Stainless steel
Connection instrument	1/2" NPT	1/2" NPT
Type C 1/2" NPT	ASC38171	ASC28171
Type D welding connection	ASD38100	ASD28100

Consult ENFM for various configurations of materials.

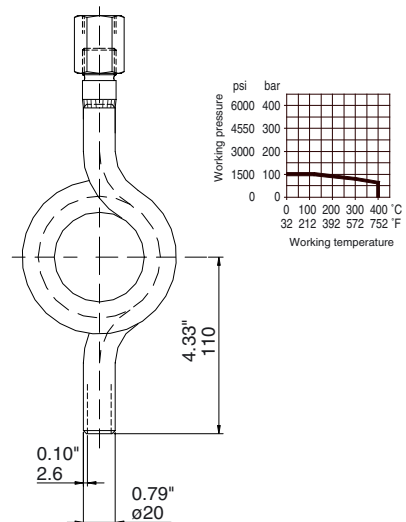


Sizes Siphons

Coil siphon with connection
Type C



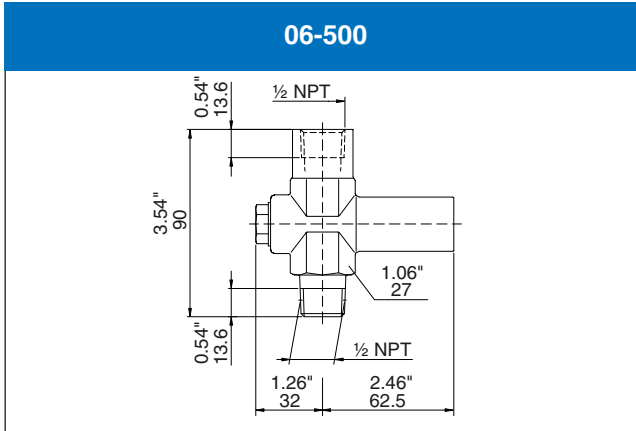
Coil siphon with welding connection
Type D



Series 06-500

Overpressure protector

Overpressure protectors protect pressure instruments from damaging spikes or surges. At a predetermined pressure, the overpressure protector "shuts-off" the pressure instrument thus preventing damage to the pressure sensing element and protecting the calibration.



Body	brass	stainless steel
Overrange protection	10000 psi	15000 psi
Temperature range	max. 175°F / 80°C	max. 175°F / 80°C
Piston	stainless steel	stainless steel
Connection	Brass	stainless steel
O-Ring / Diaphragm	(Viton)	(Viton)
Connection	1/2" NPT	1/2" NPT
Predetermined pressure range		
6-35 psi	AO1211	AO2221
30-85 psi	AO1212	AO2222
70-350 psi	AO1213	AO2223
300-850 psi	AO1214	AO2224
700-3500 psi	AO1215	AO2225
3200-6000 psi	AO1216	AO2226



Series 06-800

Rubber covers

Rubber covers are used to protect the gauges for shocks.

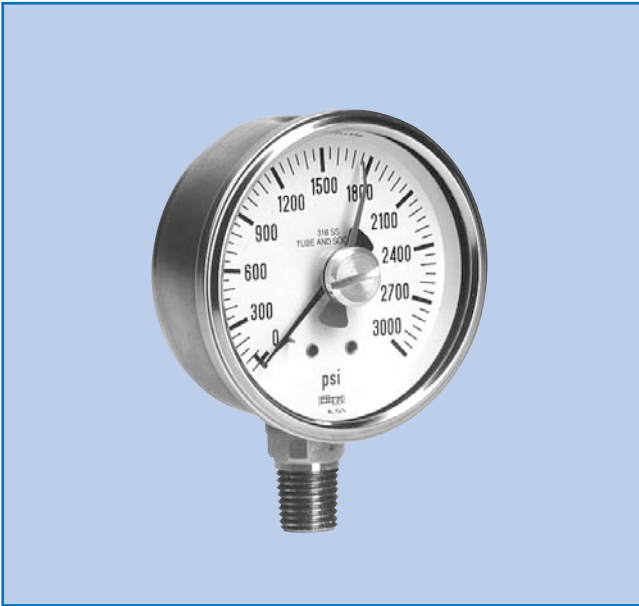
Material: rubber
Colors: BLUE, RED AND BLACK



Execution	Color	Diameter	Article number
Open for LM and CBM connection	red	2 1/2"	AB3OR
	blue	2 1/2"	AB3OB
	blue	4"	AB5OB
	black	4"	AB5OZ

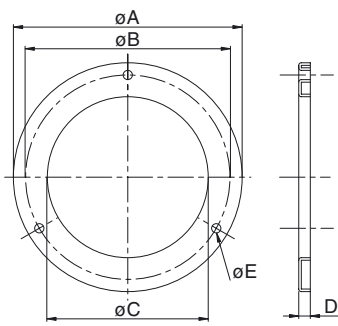
Maximum slip pointer

ENFM offers for all sizes a maximum slip pointer in a dry and liquid filled version. The maximum slip pointer follows the regular pointer on increasing pressure. It stays at the lightest point until it is reset by the knob on the front of the window.



ANSI Frontflange

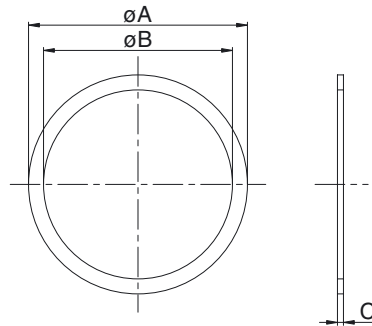
ANSI Frontflange for 2 1/2" gauges



	Size	A	B	C	D	E
mm	2 1/2"	3.50	2.46	3.13	0.10	0.14
	63	89.0	62.6	79.5	2.5	3.6

Panel Ring

Panel ring for 2 and 2 1/2" gauges



	Size	A	B	C
mm	2	2.50	1.98	0.04
	2 1/2"	2.87	2.49	0.04
mm	50	63.5	50.2	1
	63	73.0	63.2	1





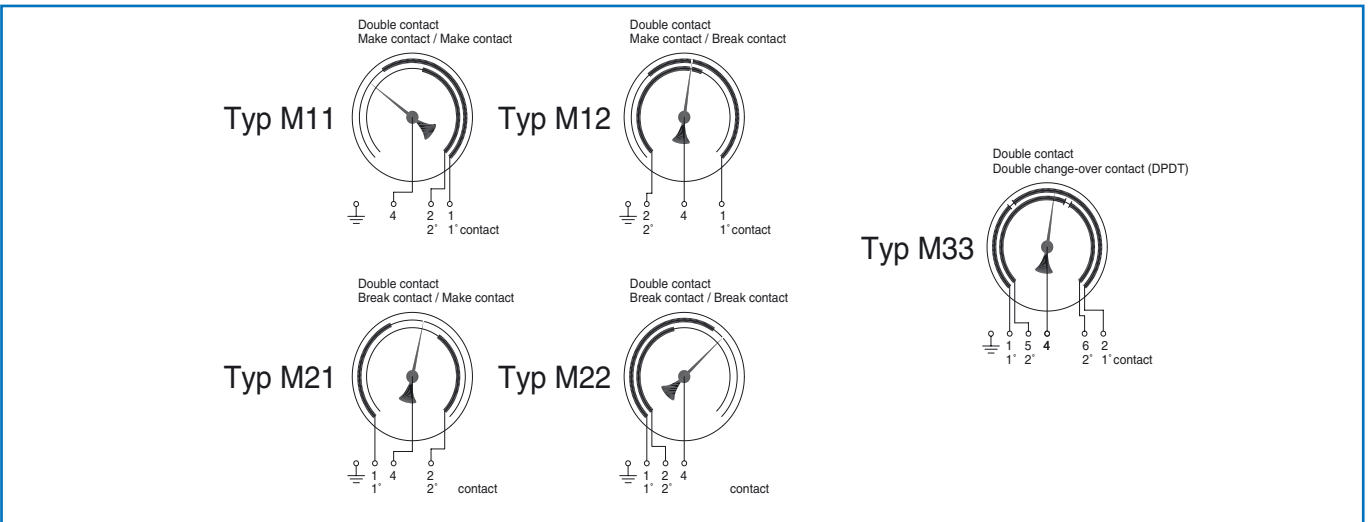
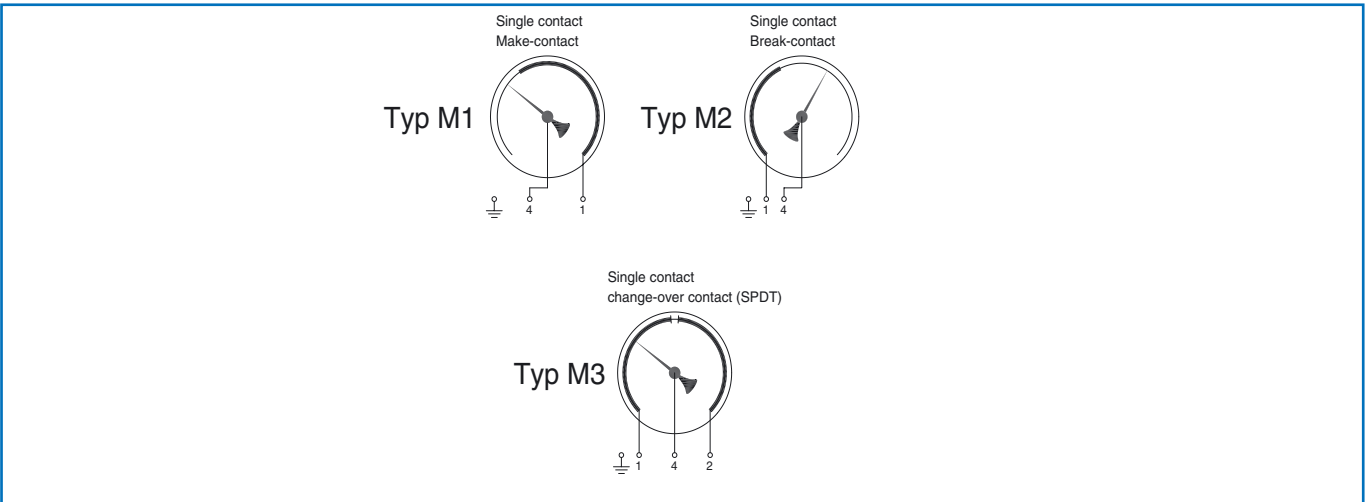
Electrical contacts

Most of ENFM's 4" and 6" pressure gauges with a bayonet bezel can be executed with alarm contacts to turn on a signal light, operate a valve or pump, or sound an alarm.

The contacts can easily be set so that a circuit can be closed or opened at a desired pressure temperature. The setting of the contacts can be made in the field without removing the instrument from service.

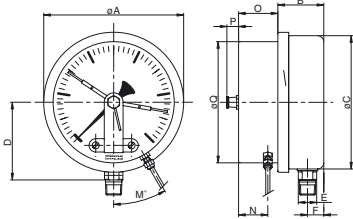
The magnetically-assisted and inductive contacts can be build in for both dry and liquid filled gauges. Below you find the various contact schedules for the different functions.

Limit value switches with snap-action contacts (magnets)



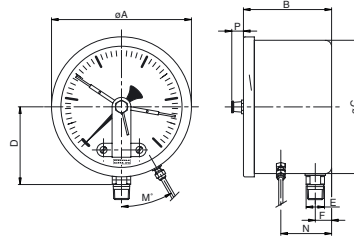
Electrical contacts

7511 bottom connection with electric switch



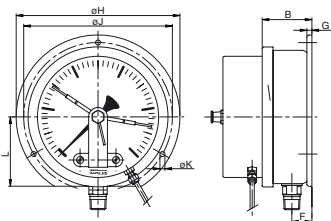
Size	A	B	C	D	E	F	M	N	O	P	Q
4	4.13	1.83	3.90	2.48	0.87	0.67	1.18	0.98	1.54	0.55	3.70
100	105	46.5	99	63	22	17	30	25	39	14	94

7511 bottom connection with electric switch



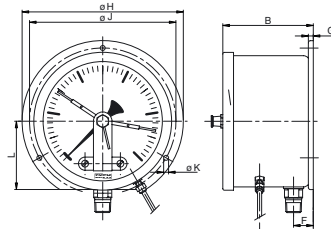
Size	A	B	C	D	E	F	M	N	P
6.3	6.61	4.15	6.26	3.98	0.87	0.77	1.38	2.38	0.55
160	168	105.5	159	101	22	19.5	35	60.5	14

7512 bottom connection with Backflange and electric switch



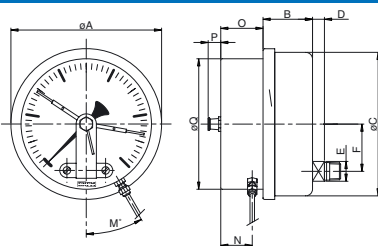
Size	B	F	G	H	J	K	L
4	1.93	0.77	0.16	5.20	4.57	0.20	2.05
100	49	19.5	4	132	116	5	52

7512 bottom connection with Backflange and electric switch



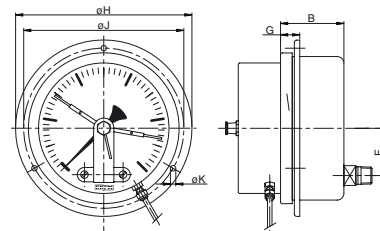
Size	B	F	G	H	J	K	L
6.3	4.33	0.94	0.24	7.72	7.01	0.24	3.27
160	110	24	6	196	178	6	83

7515 back connection with electric switch



Size	A	B	C	D	E	F	M	N	O	P	Q
4	4.13	1.89	3.90	0.43	0.87	1.31	1.18	0.98	1.54	0.55	3.70
6.3	6.51	2.17	6.26	0.67	0.87	2.07	1.18	1.38	1.85	0.55	5.63
100	105	48	99	11	22	33.4	30	25	39	14	94
160	168	55	159	17	22	52.5	30	35	47	14	143

7515 back connection with electric switch



Size	B	F	G	H	J	K
4	1.89	1.31	0.53	5.20	4.57	0.19
6.3	2.34	2.07	0.83	7.72	7.01	0.24
100	48	33.4	13.5	132	116	4.8
160	59.5	52.5	21.0	196	178	6.0



ENFM part number for tridicator



Product
H = Tridicators
series 4100

1

Execution
D = dry

2

Measuring unit
1 = brass

3

Case and Bezel
1 = black steel case with
black crimped aluminum bezel

4

Mounting
A = bottom
C = centerback

5

Case size
3 = 2 1/2" (63 mm)
4 = 3 1/4" (80 mm)

6

Thread
A M18 x 1
B 1/4" NPT short
C 1/2" NPT long
D 1/2" NPT self closing valve
H 1/2" NPT

7

Pressure range
4 = 60 psi
5 = 75 psi
6 = 90 psi
7 = 100 psi
8 = 150 psi

8

Temperature Range
1 = 32 - 248°F / 20 - 120°C
2 = 32 - 320°F / 20 - 160°C

9

Scale
G = psi / °F
H = psi / ft H₂O / °F
I = psi / ft H₂O / °F / °C
J = psi / kPA / °F
K = psi / kPA / °C / °F

10

Stem Length
stem 10 = 24
stem 20 = 56
stem 30 = 24
stem 40 = 41
stem 50 = 18
stem 60 = 22
stem 70 = 51
stem 80 = 67

11
12

Window
K = Acrylic
L = Acrylic with red pointer on
window

13

Options

14
15

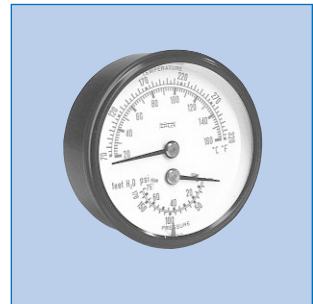


Tridicators (for part number description, see opposite page)

108 Series 4201



110 Series 4104



Series 4201



Tridicator

Connection and stem copper alloy

Black steel case

Diameter 3 1/4"

ENFM tridicators are mainly used in the boiler and heating industry.

Execution

Case:	Steel, black finish
Bezel:	Crimped, black aluminum
Dial:	Aluminum, white with blue and red scales
Pointers:	Aluminum, black
Window:	Synthetic
Movement:	copper alloy
Bourdontube:	bronze, c tube
Temperature element:	Bimetal
Connection:	copper alloy
Stem diameter:	0.33 "
Stem length:	see drawing
Accuracy:	2,5 %

Series	4201	4201	4201
Case	3 1/4"	3 1/4"	3 1/4"
Connection	1/4" NPT	1/2" NPT	1/2" NPT self closing valve
Article number	HD11A4B	HD11A4H	HD11A4D
Temperature	70 - 320 °F 20 - 160 °C	70 - 320 °F 20 - 160 °C	70 - 320 °F 20 - 160 °C
Pressure range	Stem 10	Stem 50	stem 60
0 - 75 psi / ft H2O	52i24L	52i28L	52i22L
0 - 100 psi / ft H2O	72i24L	72i28L	72i22L
0 - 200 psi / ft H2O	C2i24L	C2i28L	C2i22L
	stem 20	stem 70	
0 - 75 psi / ft H2O	52i56L	52i51L	
0 - 100 psi / ft H2O	72i56L	72i51L	
0 - 200 psi / ft H2O	C2i56L	C2i51L	

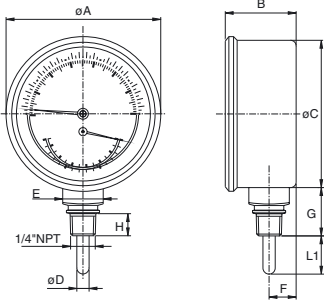
Options:

Other temperature and pressure ranges.

Special stem length.

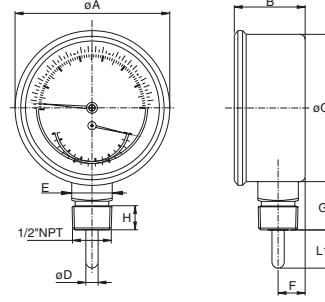
Sizes Series 4201

4201 bottom connection - 1/4"NPT



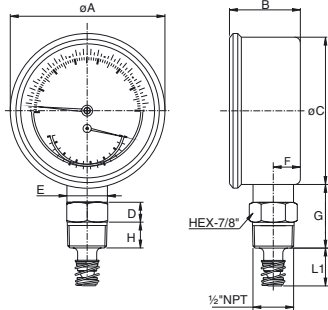
	Size	A	B	C	D	E	F	G	H	L1
inch	3 1/4 - stem 10	3.31	1.52	3.15	0.33	0.87	0.58	1.02	0.47	0.95
	3 1/4 - stem 20	3.31	1.52	3.15	0.33	0.87	0.58	1.02	0.47	2.20
mm	80 - stem 10	84	38.5	80	8.5	22	14.7	26	12	24
	80 - stem 20	84	38.5	80	8.5	22	14.7	26	12	56

4201 bottom connection - 1/2"NPT



	Size	A	B	C	D	E	F	G	H	L1
inch	3 1/4 - stem 50	3.31	1.52	3.15	0.33	0.87	0.58	1.02	0.51	0.70
	3 1/4 - stem 70	3.31	1.52	3.15	0.33	0.87	0.58	1.02	0.51	2.00
mm	80 - stem 50	84	38.5	80	8.5	22	14.7	26	13	18
	80 - stem 70	84	38.5	80	8.5	22	14.7	26	13	51

4201 bottom connection with 1/2"NPT self-closing valve



	Size	A	B	C	D	E	F	G	H	L1
inch	3 1/4 - stem 60	3.31	1.52	3.15	0.43	0.87	0.58	1.14	0.55	0.87
mm	80 - stem 60	84	38.5	80	11	22	14.7	29	14	22



Series 4104



Tridicator

Connection and stem copper alloy
Black steel case
Diameter 2 1/2" & 3 1/4"

ENFM tridicators are mainly used in the boiler and heating industry.

Execution

Case:	Steel, black finish
Bezel:	Rotating crimped, aluminum black
Dial:	Aluminum, white with red and blue scales
Pointers:	Aluminum, black
Window:	Synthetic
Movement:	copper alloy
Bourdontube:	bronze, c tube
Temperature element:	Bimetal
Connection:	copper alloy
Stem diameter:	0.33"
Stem length:	see drawing
Accuracy:	2,5 %

Series	4104	4104	4104	4104	4104	4104	4104
Case	2 1/2"	3 1/4"	2 1/2"	3 1/4"	3 1/4"	2 1/2"	3 1/4"
Connection	1/4" NPT short	1/4" NPT short	1/4" NPT long	1/4" NPT long	1/2" NPT	1/2" NPT self closing valve	1/2" NPT self closing valve
Article number	HD11C3B	HD11C4B	HD11C3C	HD11C4C	HD11C4H	HD11C3D	HD11C4D
Temperature	70 - 320 °F 20 - 160 °C	70 - 320 °F 20 - 160 °C	70 - 320 °F 20 - 160 °C	70 - 320 °F 20 - 160 °C	70 - 320 °F 20 - 160 °C	70 - 320 °F 20 - 160 °C	70 - 320 °F 20 - 160 °C
Pressure range	Stem 10	Stem 10	Stem 30	Stem 30	Stem 50	stem 60	stem 60
0 - 75 psi / ft H2O	52i24L	52i24L	52i24L	52i24L	52i18L	52i22L	52i22L
0 - 100 psi / ft H2O	72i24L	72i24L	72i24L	72i24L	72i18L	72i22L	72i22L
0 - 200 psi / ft H2O	C2i24L	C2i24L	C2i24L	C2i24L	C2i18L	C2i22L	C2i22L
	stem 20	stem 20	stem 40	stem 40	stem 70		
0 - 75 psi / ft H2O	52i56L	52i56L	52i41L	52i41L	52i51L		
0 - 100 psi / ft H2O	72i56L	72i56L	72i41L	72i41L	72i51L		
0 - 200 psi / ft H2O	C2i56L	C2i56L	C2i41L	C2i41L	C2i51L		
					stem 80		
0 - 75 psi / ft H2O					52i67L		
0 - 100 psi / ft H2O					72i67L		
0 - 200 psi / ft H2O					C2i67L		

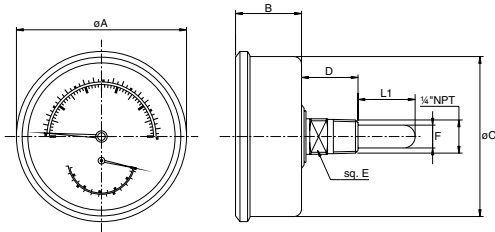


Options:

Other temperature and pressure ranges.
 Special stem length.

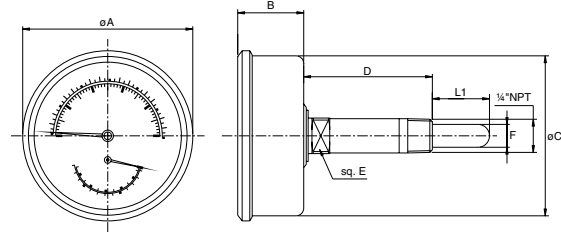
Sizes Series 4104

4104 back connection - 1/4"NPT short



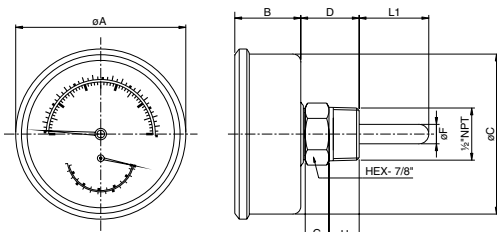
Size	A	B	C	D	E	F	L1
2 1/2 - stem 10	2.64	1.02	2.50	0.89	0.55	0.35	0.94
3 1/4 - stem 10	3.31	1.06	3.15	0.89	0.55	0.35	0.94
2 1/2 - stem 20	2.64	1.02	2.50	0.89	0.55	0.35	2.20
3 1/4 - stem 20	3.31	1.06	3.15	0.89	0.55	0.35	2.20
63 - stem 10	67	26	63	22.5	14	8.5	24
80 - stem 10	84	27	80	22.5	14	8.5	24
63 - stem 20	67	26	63	22.5	14	8.5	56
80 - stem 20	84	27	80	22.5	14	8.5	56

4104 back connection - 1/4"NPT long



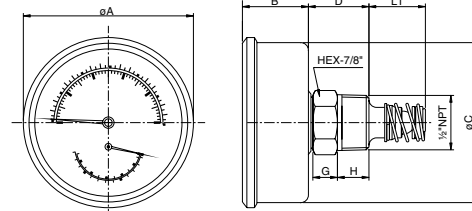
Size	A	B	C	D	E	F	L1
2 1/2 - stem 30	2.64	1.02	2.50	2.00	0.55	0.35	0.94
3 1/4 - stem 30	3.31	1.06	3.15	2.00	0.55	0.35	0.94
2 1/2 - stem 40	2.64	1.02	2.50	2.00	0.55	0.35	1.63
3 1/4 - stem 40	3.31	1.06	3.15	2.00	0.55	0.35	1.63
63 - stem 30	67	26	63	52	14	8.5	24.0
80 - stem 30	84	27	80	52	14	8.5	24.0
63 - stem 40	67	26	63	52	14	8.5	41.5
80 - stem 40	84	27	80	52	14	8.5	41.5

4104 back connection - 1/2"NPT



Size	A	B	C	D	F	G	H	L1
2 1/2 - stem 50	2.64	1.02	2.50	1.10	0.35	0.43	0.55	0.70
3 1/4 - stem 50	3.31	1.06	3.15	1.10	0.35	0.43	0.55	0.70
2 1/2 - stem 70	2.64	1.02	2.50	1.10	0.35	0.43	0.55	2.00
3 1/4 - stem 70	3.31	1.06	3.15	1.10	0.35	0.43	0.55	2.00
2 1/2 - stem 80	2.64	1.02	2.50	1.10	0.35	0.43	0.55	2.65
3 1/4 - stem 80	3.31	1.06	3.15	1.10	0.35	0.43	0.55	2.65
63 - stem 50	67	26	63	28	8.5	11	14	18.0
80 - stem 50	84	27	80	28	8.5	11	14	18.0
63 - stem 70	67	26	63	28	8.5	11	14	51.0
80 - stem 70	84	27	80	28	8.5	11	14	51.0
63 - stem 80	67	26	63	28	8.5	11	14	67.5
80 - stem 80	84	27	80	28	8.5	11	14	67.5

4104 back connection with self closing valve



Size	A	B	C	D	E	F	L1
2 1/2 - stem 60	2.64	1.02	2.50	1.06	0.43	0.55	0.87
3 1/4 - stem 60	3.31	1.06	3.15	1.06	0.43	0.55	0.87
63 - stem 60	67	26	63	27	11	14	22
80 - stem 60	84	27	80	27	11	14	22



ENFM part number for Bimetal thermometer

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Product

B = Bimetal-thermometer

1

Execution

D = dry
W = watertight
V = liquid filled

2

Measuring unit

1 = brass
2 = stainless steel

3

Case and Bezel, Window

2 = steel black case, aluminum black crimped bezel, synthetic window
g = stainless steel case, stainless steel bezel, glass window

4

Mounting

A = bottom
C = centerback
K = every angle design

5

Case size

3 = 2 1/2"
4 = 3 1/4"
5 = 4"
A = 3"
B = 5"

6

Connection

3 = none
1 = connection fixed
2 = connection turnable
K = clamp thermowell
S = solder fitting thermowell

7

Thread

0 = none
b = 1/2" NPT

8

Size of stem

2 = 1/4"
4 = 0.35" / 9 mm

9

Stem length

45 = 1 1/2"
63 = 2 1/2"
0A = 4"
5A = 6"
2S = 9"
a5 = 12"
l1 = 15"
fh = 18"
kg = 24"

10

11

Temperature range

25 - 125°F = 25
0 - 140°F = 36
32 - 248°F = 51
20 - 240°F = 54
0 - 250°F = 64
50 - 300°F = 71
50 - 400°F = 81
50 - 500°F = 91
150 - 750°F = b2
200 - 1000°F = d2

12

13

Temperature scale

3 = °F black
6 = °C/°F black
8 = °C (red) / °F (black)

14

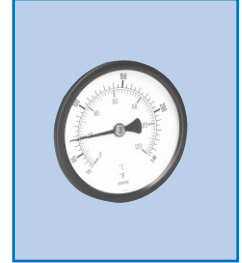
Options

15



Bimetal Thermometers

114 Series 4004



116 Series 4120



Series 4004



Bimetal Thermometers

Thermowell and Stem brass

Black steel case

Case sizes 2 1/2", 3 1/4" and 4 "

ENFM bimetal thermometers are widely used in the boiler and heating industry.

Execution

Case:	Steel, black finish
Bezel:	Crimped, black aluminum
Dial:	Aluminum with black and red scales
Pointers:	Aluminum, black
Window:	Acrylic
Measuring element:	Bimetal
Connection:	1/2"NPT
Thermowell:	Brass, length is 1 1/2" , 2 1/2" and 4"

Series	4004	4004	4004
Case Size	2 1/2"	3 1/4"	4"
Connection Size	1/2"NPT	1/2"NPT	1/2"NPT
Scale	0-120°C / 32-248°F	0-120°C / 32-248°F	0-120°C / 32-248°F
Article number	BD12C3KB	BD12C4KB	BD12C5KB
L = 1 1/2"	845518	845518	845518
L = 2 1/2"	863518	863518	863518
L = 4"	80a518	80a518	80a518

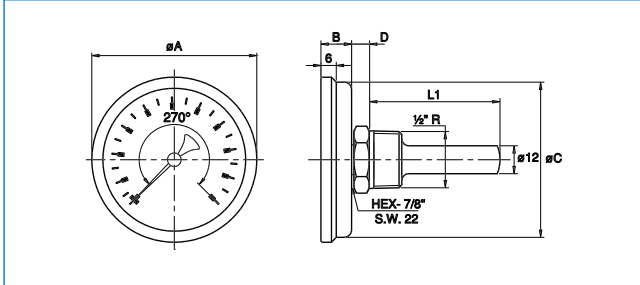
Series	4004/53	4004/53	4004
Case Size	2 1/2"	3 1/4"	4"
Connection	solder fitting	solder fitting	solder fitting
Scale	0-120°C / 32-248°F	0-120°C / 32-248°F	0-120°C / 32-248°F
Article number	BD12C3SB	BD12C4SB	BD12C5SB
L = 1 1/2"	845518	845518	845518

Options:

Other temperature and pressure ranges.
Special stem length.

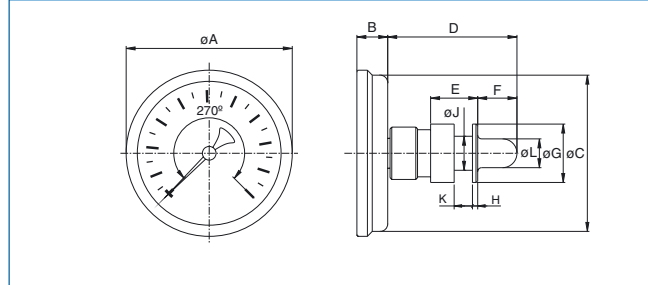
Sizes Series 4004

4004



	Sizes	A	B	C	D	L1
inch	2 1/2	2.52	0.35	2.36	0.28	1 1/2, 2 1/2, 4
	3 1/4	3.31	0.43	3.15	0.28	
	4	4.09	0.43	3.86	0.28	
mm	63	64	9	60	7	45, 63, 100
	80	84	11	80	7	
	100	104	11	98	7	

4004 /53 solder fitting



	Sizes	A	B	C	D	E	F	G	H	J	K	L
inch	2 1/2	2.52	0.35	2.36	1.94	0.71	0.59	0.88	0.08	0.51	0.27	0.43
	3 1/4	3.30	0.43	3.15	1.94	0.71	0.59	0.88	0.08	0.51	0.27	0.43
	4	4.10	0.43	3.85	1.94	0.71	0.59	0.88	0.08	0.51	0.27	0.43
mm	60	64	9	60	49.5	18	15	22.5	2	13	7	11
	80	84	11	80	49.5	18	15	22.5	2	13	7	11
	100	104	11	98	49.5	18	15	22.5	2	13	7	11

Series 4120



ANSI Industrial Bimetal thermometer

Case stainless steel, hermetically sealed
Connection and stem stainless steel
Diameter 3" & 5"

ENFM industrial bimetal thermometers are ideal for most rugged industrial temperature measurement applications.

Execution

Case:	Stainless steel AISI 304
Bezel:	Polished stainless steel AISI 304
Dial:	Aluminum black markings, anti-parallax dial
Pointer:	Aluminum, black with external re-calibrator
Window:	Instrument glass
Measuring element:	Bimetallic Helix Coil
Connection:	1/2"NPT
Stem diameter:	1/4" stainless steel AISI 304
Weather Condition:	Heremetically sealed

Series	4121	4121	4123	4123	4124	4124
Case	3"	5"	3"	5"	3"	5"
Stem diameter	.25"	.25"	.25"	.25"	.25"	.25"
Connection	bottom	bottom	every angle	every angle	back	back
Thread	1/2"NPT	1/2"NPT	1/2"NPT	1/2"NPT	1/2"NPT	1/2"NPT
Stem length	see table 1	see table 1	see table 1	see table 1	see table 1	see table 1
Article - number	BW2GAA	BW2GAB	BW2GKA	BW2GKB	BW2GCA	BW2GCB

Stem length in inches	1/2"NPT
2 1/2"	1b263
4"	1b20a
6"	1b25a
9"	1b22s
12"	1b2a5
15"	1b211
18"	1b2fh
24"	1b2k9

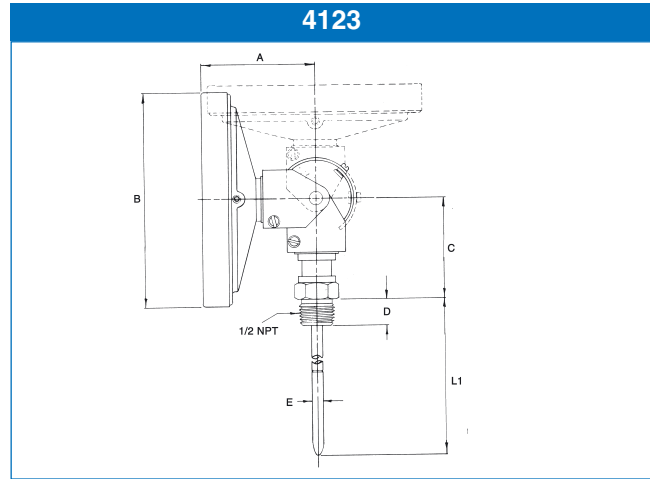
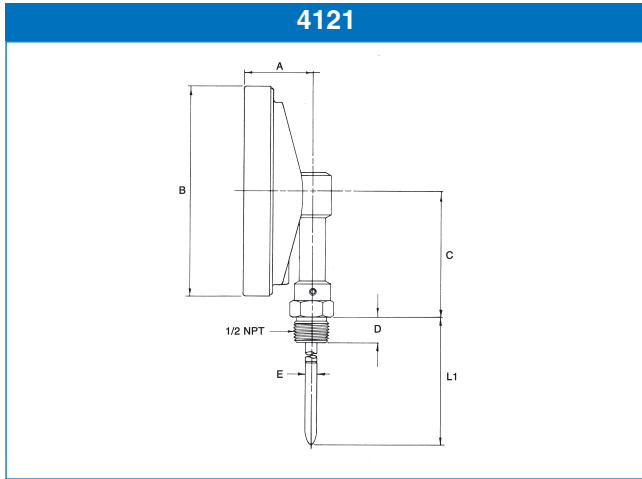
Temperature ranges	°F	°F / °C
25 - 125 °F	253	256
0 - 140 °F	363	366
20 - 240 °F	543	546
0 - 250 °F	643	646
50 - 300 °F	713	716
50 - 400 °F	813	816
50 - 500 °F	913	916
150 - 750 °F	b23	b26
200 - 1000 °F	d23	d26

Options:

Variety of stem lengths thru 6 feet long.
 Other temperature ranges on request.

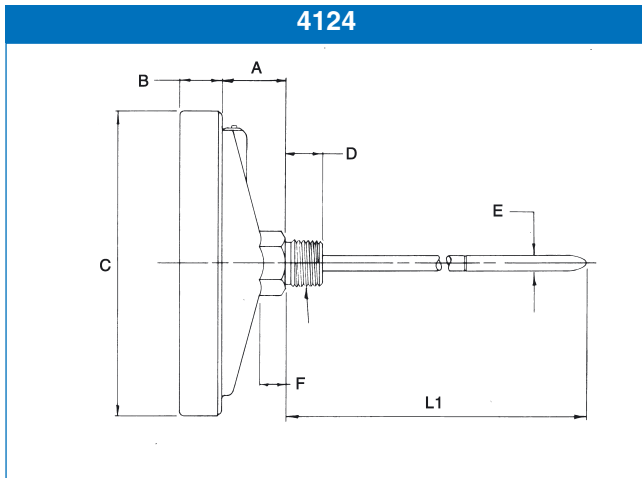


Sizes Series 4120



	Sizes	A	B	C	D	E	L1
inch	3	1.19	3.19	2.30		0.25	2 1/2, 4, 6, 9,
	5	1.63	5.04	3.00	0.63	0.25	12, 15, 18, 24
mm	80	30.1	81.0	58.4	15.9	6.4	64, 102, 152, 229,
	125	41.2	128.0	76.2	15.9	6.4	305, 381, 457, 610

	Sizes	A	B	C	D	E	L1
inch	3	2.43	3.19	2.37	0.63	0.25	2 1/2, 4, 6, 9,
	5	2.66	5.04	2.37	0.63	0.25	12, 15, 18, 24
mm	80	61.7	81.0	60.2	15.9	6.4	64, 102, 152, 229,
	125	67.5	128.0	60.2	15.9	6.4	305, 381, 457, 610

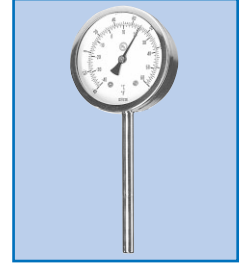


	Sizes	A	B	C	D	E	F	L1
inch	3	0.81	0.56	3.19	0.63	0.25	0.43	2 1/2, 4, 6, 9,
	5	1.07	0.66	5.04	0.63	0.25	0.43	12, 15, 18, 24
mm	80	20.6	14.3	81.0	15.9	6.4	10.9	64, 102, 152, 229,
	125	27.0	16.7	128.0	15.9	6.4	10.9	305, 381, 457, 610

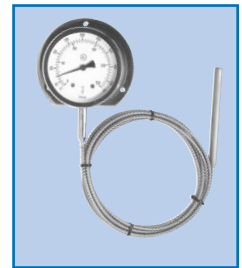


Nitrogen Filled Thermometers

120 Series 16200



122 Series 26200



Series 16200

Nitrogen Filled Thermometers



Stainless steel case & bayonet ring
Stainless steel stem & connection
Diameter 4" & 6"

ENFM Nitrogen filled thermometers are designed for precision linear indication of process temperature.

Execution

- Case:** Stainless steel AISI 304
- Bezel:** Bayonet ring, stainless steel AISI 304
- Dial:** Aluminum, white with black scales
- Pointer:** Aluminum, black, adjustment screw at back of case
- Window:** Glass
- Connection:** Stainless steel
- Stem:** Dia. 0.32", stainless steel
- Connection versions:** Connection fixed, plain bulb, union connection

Series	16211	16211	16221	16221	16214	16214	16234	16234
Case	4"	6"	4"	6"	4"	6"	4"	6"
Stem diameter	0.32"	0.32"	0.32"	0.32"	0.32"	0.32"	0.32"	0.32"
Connection	table 1	table 1	table 1	table 1	table 1	table 1	table 1	table 1
Stem length	table 1	table 1	table 1	table 1	table 1	table 1	table 1	table 1
Article - number	T22A5	T22A7	T22B5	T22B7	T22E5	T22E7	T22F5	T22F7

Table 1	Stem length in inches			
Connection				
fixed	4"	6"	9"	12"
1/2"NPT	1230a	1235a	1232s	12305
3/4"NPT	1530a	1535a	1532s	15305
plain bulb	5"	7"	10"	13"
	0032h	0037l	0035o	003d0
Union connection	min 3.15"			
1/2"NPT	32380			
3/4"NPT	35380			

Table 2	Scale	
Temperature ranges	°F	°F/°C
-75 / 0 / +110 ° F // -60 / 0 / +40 °C	433	436
-40 / 0 / +140 °F // -40 / 0 / +60 °C	453	456
- 4 / 0 / +140 °F // -20 / 0 / +60 °C	363	366
-4/ 0 / +175 °F // -20 / 0 / +80 °C	473	476
32 / 140 °F // 0 - 60 °C	213	216
32 / 175 °F // 0 - 80 °C	313	316
32 / 212 °F // 0 - 100 °C	413	416
32 / 250 °F // 0 - 120 °C	513	516
32 / 320 °F // 0 - 160 °C	713	716
32 / 392 °F // 0 - 200 °C	813	816
32 / 480 °F // 0 - 250 °C	913	916
32 / 575 °F // 0 - 300 °C	a13	a16
32 / 750 °F // 0 - 400 °C	c13	c16
32 / 930 °F // 0 - 500 °C	d13	d16
32 / 1100 °F // 0 - 600 °C	e13	e16

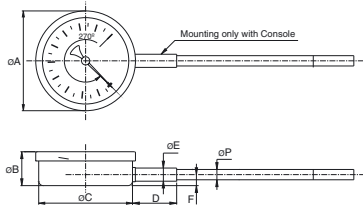
Options:

- Other stem diameter.
- Special connections.
- Other stem length.

Sizes Serie 16200

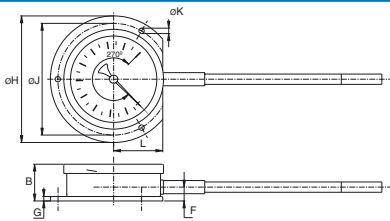
Execution

16211 bottom



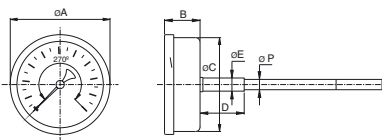
Size	A	B	C	D	E	F	P
4	4.13	1.50	3.90	1.69	0.47	0.55	0.31
6	6.22	1.54	5.85	2.48	0.59	0.55	0.31
100	105	38	99.0	43	12	14	8
150	158	39	148.5	63	15	14	8

16221 Backflange



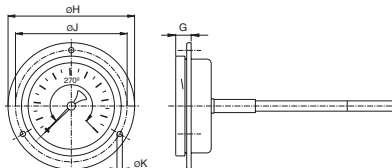
Size	B	F	G	H	J	K	L
4	1.59	0.65	0.16	5.20	4.57	0.20	2.05
6	1.71	0.73	0.24	7.32	6.61	0.24	3.07
100	105	38	990	43	12	14	8
150	158	39	148.5	63	15	14	8

16214 Centerback



Size	A	B	C	D	E	F
4	4.13	1.50	3.90	1.69	0.47	0.31
6	6.22	1.54	5.85	2.48	0.59	0.31
100	105	38	99.0	43	12	8
150	158	39	148.5	63	15	8

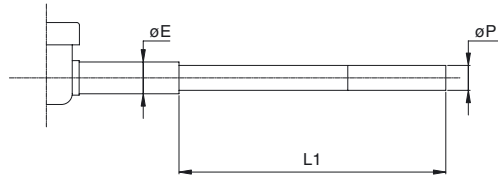
16234 Frontflange



Size	G	H	J	K
4	0.53	5.20	4.57	0.19
6	0.79	7.32	6.61	0.24
100	13.5	132	116	4.8
160	20.0	186	168	6.0

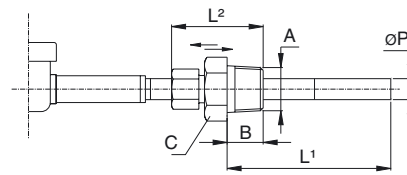
Connection

Straight



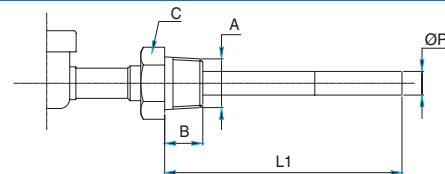
Size	E	P	L1
4	0.47	0.31	140, 200, 240, 290
6	0.59	0.31	
100	12	8	5.5, 7.87, 9.45, 11.42
150	15	8	

Sliding union



Size	B	C	L ²	P	L ¹
1/2"NPT	0.79	0.87	1.73	0.41	min. 3.15
3/4"NPT	0.79	1.06	1.81	0.39	
1/2"NPT	20	22	44	8	min. 80
3/4"NPT	20	27	46	10	

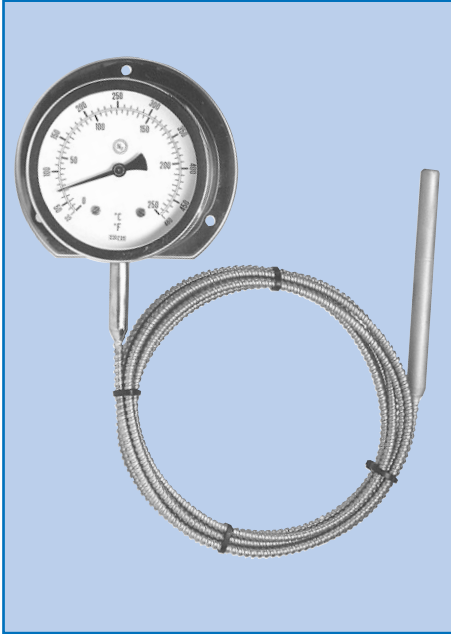
Connection fixed



Size	B	C	P	L ¹
1/2"NPT	0.79	0.87	0.31	2.5, 4, 6.3, 7.88, 9
3/4"NPT	0.79	1.06	0.31	
1/2"NPT	20	22	8	63, 100, 160, 200, 230
3/4"NPT	20	27	8	



Series 26200



Remote Nitrogen Filled Thermometers

Stainless steel case with & bayonet ring with capillary system
Stainless steel stem & connection
Diameter 4" & 6"

ENFM remote reading nitrogen filled thermometers are designed for precision linear indication of process temperature.

Execution

Case:	Stainless steel AISI 304
Bezel:	Stainless steel AISI 304 bayonet ring
Dial:	Aluminum, white, with black markings
Pointer:	Aluminum, black, adjustment screw at back of case
Window:	Instrument glass
Connection:	Stainless steel, see table 1
Stem length:	See table 1
Stem diameter :	Ø 0.315 ", stainless steel
Scale:	See table 2, °C/°F
Capillary length:	See table 3
Mounting options:	Wall-bracket, Backflange, Frontflange

Series	26201	26201	26221	26221	26234	26234
Case	4"	6"	4"	6"	4"	6"
Stem diameter	0.32"	0.32"	0.32"	0.32"	0.32"	0.32"
Connection	table 1	table 1	table 1	table 1	table 1	table 1
Stem Length	table 1	table 1	table 1	table 1	table 1	table 1
Scale	table 2	table 2	table 2	table 2	table 2	table 2
capillary	table 3	table 3	table 3	table 3	table 3	table 3
Article - number	T32d5	T32d7	T32b5	T32b7	T32f5	T32f7

Table 1	Stem length in inches			
Connection Plain	5" 0032h	7" 0037l	10" 0035o	13" 003d0
Union	min 3.15"			
1/2"NPT	32380			
3/4"NPT	35380			
Sliding Union on stem	min 4"			
1/2"NPT	7230a			
3/4"NPT	7530a			

Table 2	Scale	
Temperature ranges	°F	°F/°C
-75 / 0 / +110 °F // -60 / 0 / +40 °C	433	436
-40 / 0 / +140 °F // -40 / 0 / +60 °C	453	456
- 4 / 0 / +140 °F // -20 / 0 / +60 °C	363	366
-4 / 0 / +175 °F // -20 / 0 / +80 °C	473	476
32 / 140 °F // 0 - 60 °C	213	216
32 / 175 °F // 0 - 80 °C	313	316
32 / 212 °F // 0 - 100 °C	413	416
32 / 250 °F // 0 - 120 °C	513	516
32 / 320 °F // 0 - 160 °C	713	716
32 / 392 °F // 0 - 200 °C	813	816
32 / 480 °F // 0 - 250 °C	913	916
32 / 575 °F // 0 - 300 °C	a13	a16
32 / 750 °F // 0 - 400 °C	c13	c16
32 / 930 °F // 0 - 500 °C	d13	d16
32 / 1100 °F // 0 - 600 °C	e13	e16

Table 3	
capillary length	code
3 feet	1
6 feet	2
9 feet	3
12 feet	4
15 feet	5
18 feet	6
21 feet	7
24 feet	8
27 feet	9
30 feet	a

Options:

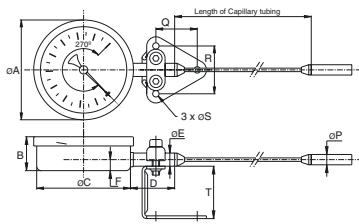
Other stem diameter.
 Special connections.
 Other stem length.



Sizes Serie 26200

Execution

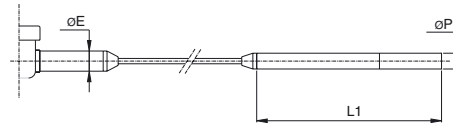
26201 Wall-bracket



Sizes	A	B	C	D	E	F	Q	R	S	T	P	
inch	4	4.13	1.50	3.90	1.69	0.47	0.55	1.77	2.05	0.28	2.24	0.31
	6	6.22	1.54	5.85	2.48	0.59	0.55	1.77	2.05	0.28	2.24	0.31
mm	100	105	38	99	43	12	14	45	52	7	57	8
	150	158	39	148.5	63	15	14	45	52	7	57	8

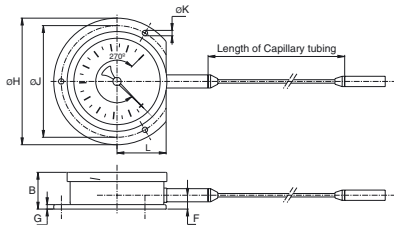
Connection

Straight



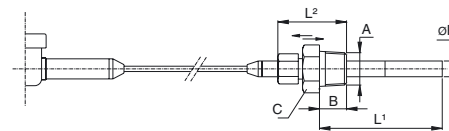
Size	E	P	L1	
inch	4	0.47	0.31	140, 200, 240, 290
	6	0.59	0.31	
mm	100	12	8	5.5, 7.87, 9.45, 11.42
	150	15	8	

26221 Backflange



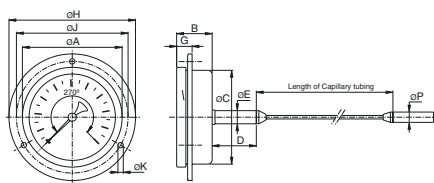
Size	B	F	G	H	J	K	L	
inch	4	1.59	0.65	0.16	5.20	4.57	0.20	2.05
	6	1.71	0.73	0.24	7.32	6.61	0.24	3.07
mm	100	40.5	16.5	4	132	116	5	52
	150	43.5	18.5	6	186	168	6	78

Sliding union



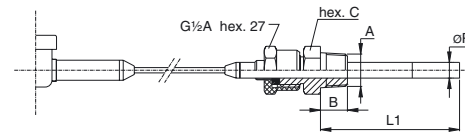
Size	B	C	L ²	P	L ¹	
inch	1/2"NPT	0.79	0.87	1.73	0.41	min. 3.15
	3/4"NPT	0.79	1.06	1.81	0.39	
mm	1/2"NPT	20	22	44	8	min. 80
	3/4"NPT	20	27	46	10	

26234 Frontflange



Size	A	B	C	D	E	G	H	J	K	P	
inch	4	4.13	1.50	3.90	1.69	0.47	0.53	5.20	4.57	0.19	0.31
	6	6.22	1.54	5.85	2.48	0.59	0.79	7.32	6.61	0.24	0.31
mm	100	105	38	99	43	12	13.5	132	116	4.8	8
	150	158	39	148.5	63	15	20.0	186	168	6.0	8

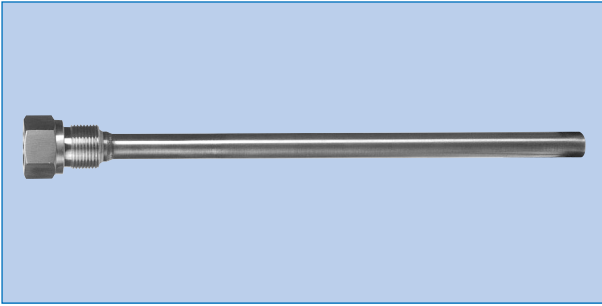
Coupling nut with Nipple



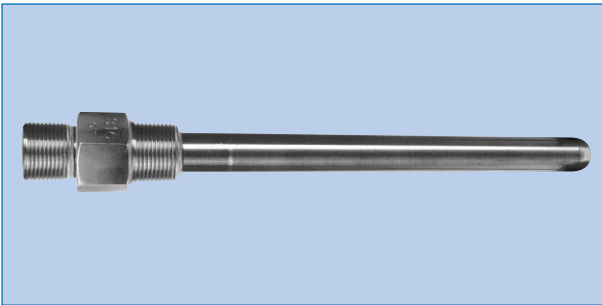
Size	B	C	P	L ¹	
inch	1/2"NPT	0.79	0.87	0.31	2.5, 4, 6.3, 8, 10
	3/4"NPT	0.79	1.06	0.31	
mm	1/2"NPT	20	22	8	63, 100, 160, 200, 250
	3/4"NPT	20	27	8	



Thermowells



- Machined from solid bar stock
- Various configurations
- fit standard thermometer stem length



A thermowell will protect the instrument from possible damage resulting from process variables. The thermowell makes it possible to remove the instrument for replacement, repair or testing without effecting the system or process media.

ENFM offers thermowells with a threaded, flanged or sanitary process connection.

Please consult ENFM for more information.



Enclosures

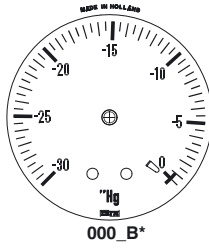
128 Standard Scale divisions

132 Conversion table

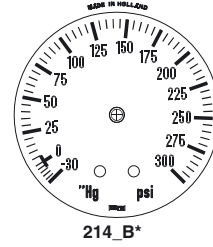
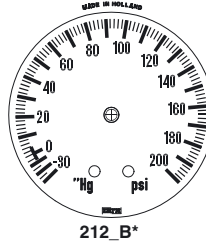
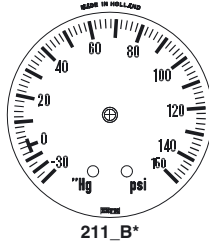
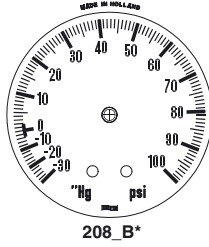
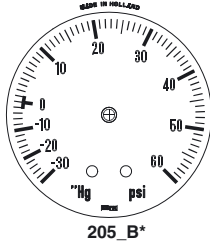
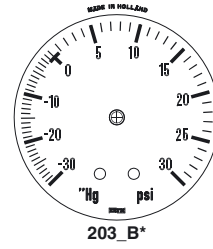
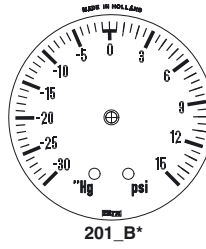
133 Standard process connections

Standard scale divisions - single scale, size 1 1/2", 2 & 2 1/2"

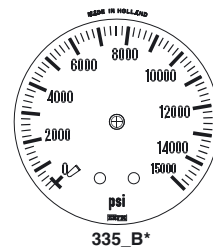
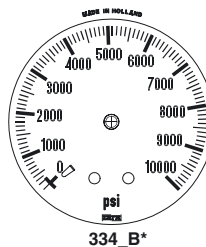
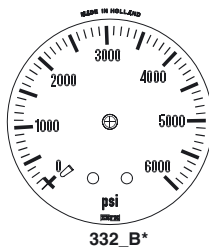
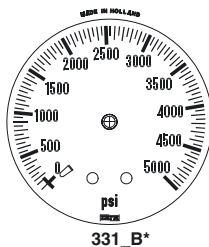
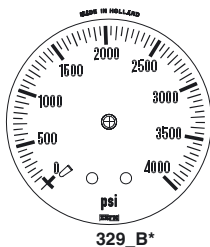
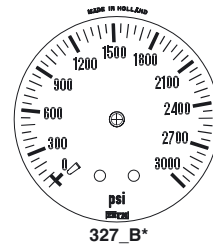
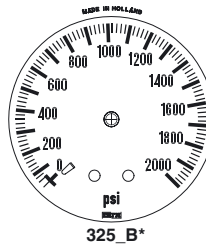
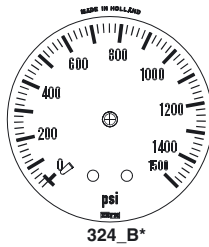
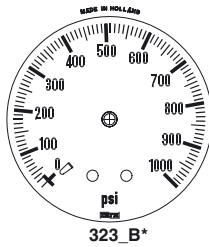
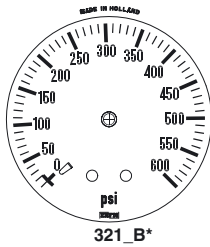
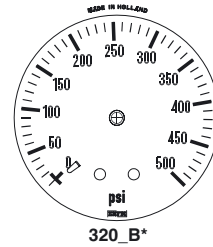
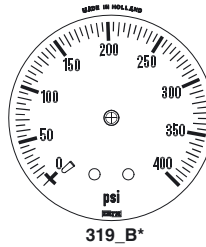
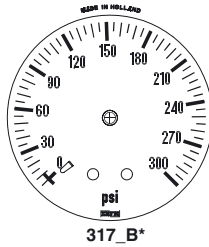
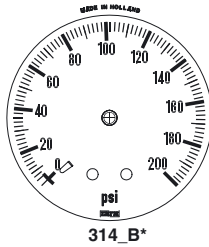
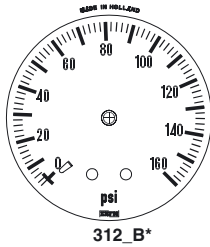
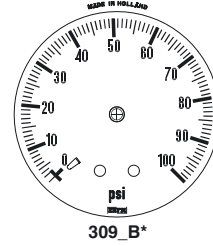
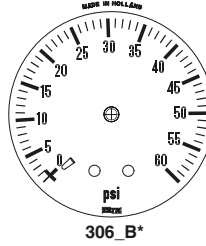
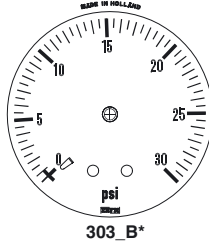
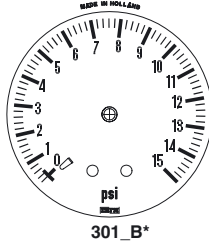
Vacuum Dial



Compound Dials



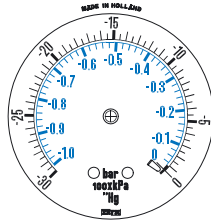
Pressure Dials



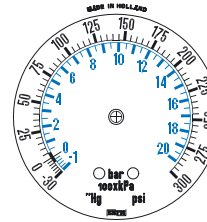
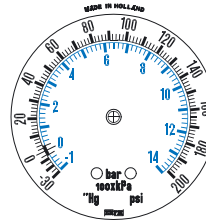
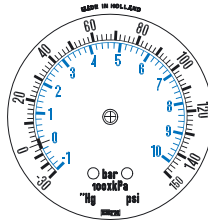
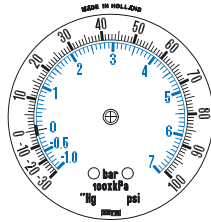
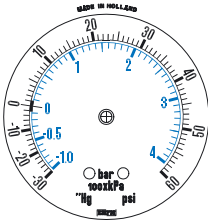
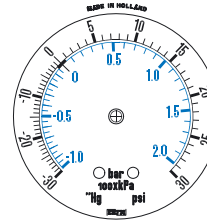
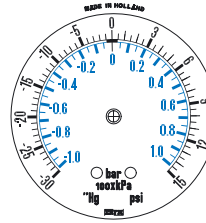
*pressure and Dial code at position 9,10,11 and 13 of article number.

Standard scale divisions - tri-scale, size 1 1/2", 2 & 2 1/2"

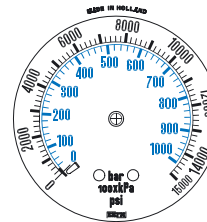
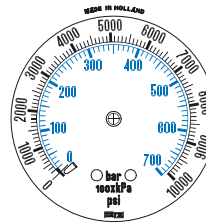
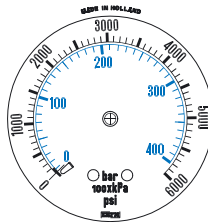
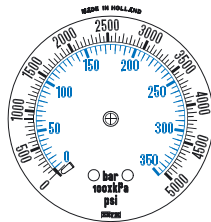
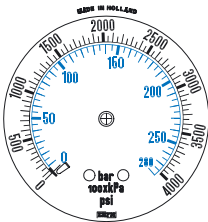
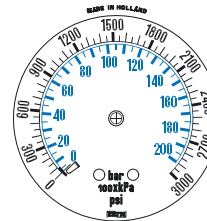
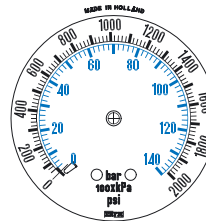
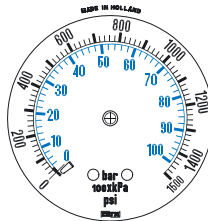
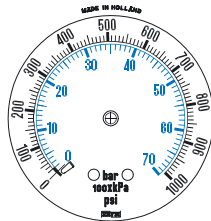
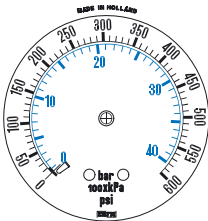
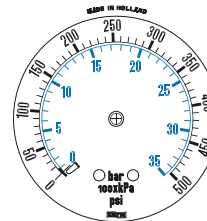
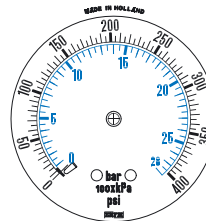
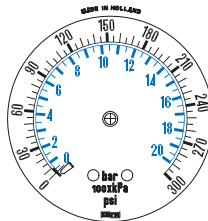
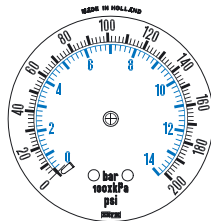
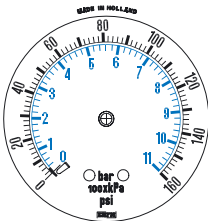
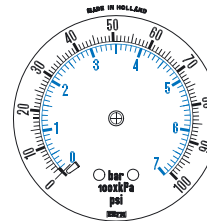
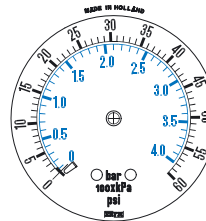
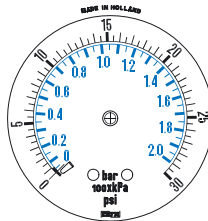
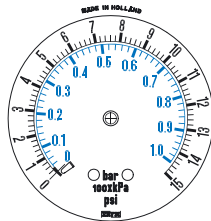
Vacuum Dial



Compound Dials



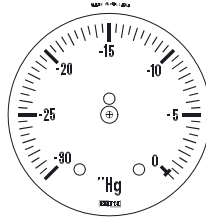
Pressure Dials



*pressure and Dial code at position 9,10,11 and 13 of article number.

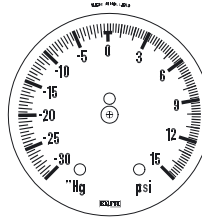
Standard scale divisions single scale, size 4", 4 1/2" & 6"

Vacuum Dial

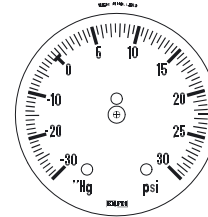


000_B*

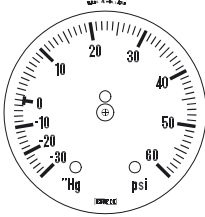
Compound Dials



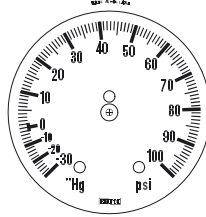
201_B*



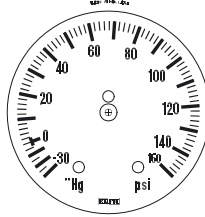
203_B*



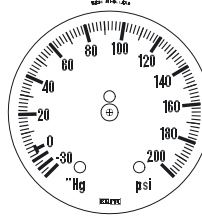
205_B*



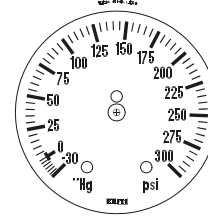
208_B*



211_B*

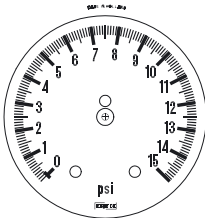


212_B*

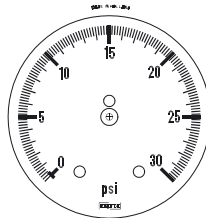


214_B*

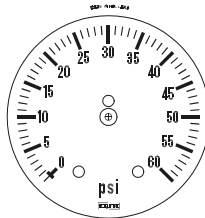
Pressure Dials



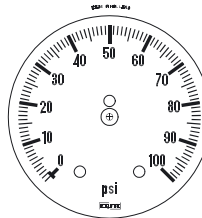
301_B*



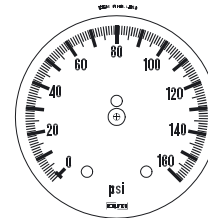
303_B*



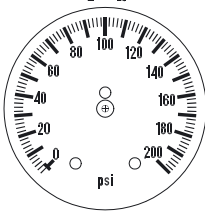
306_B*



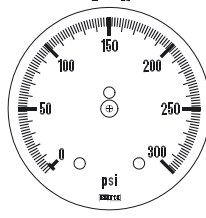
309_B*



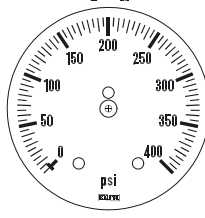
312_B*



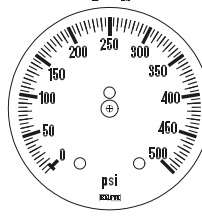
314_B*



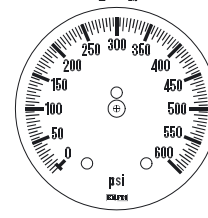
317_B*



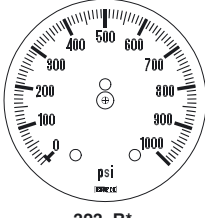
319_B*



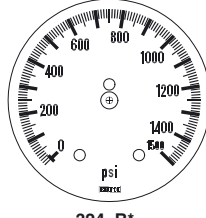
320_B*



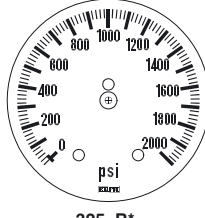
321_B*



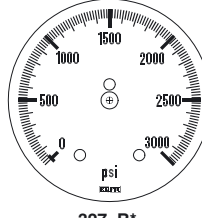
323_B*



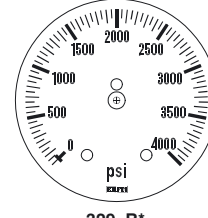
324_B*



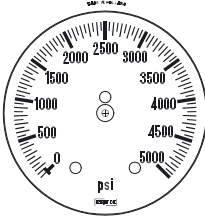
325_B*



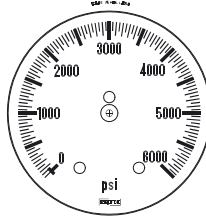
327_B*



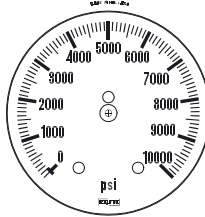
329_B*



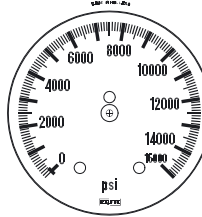
331_B*



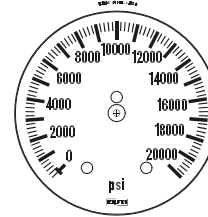
332_B*



334_B*



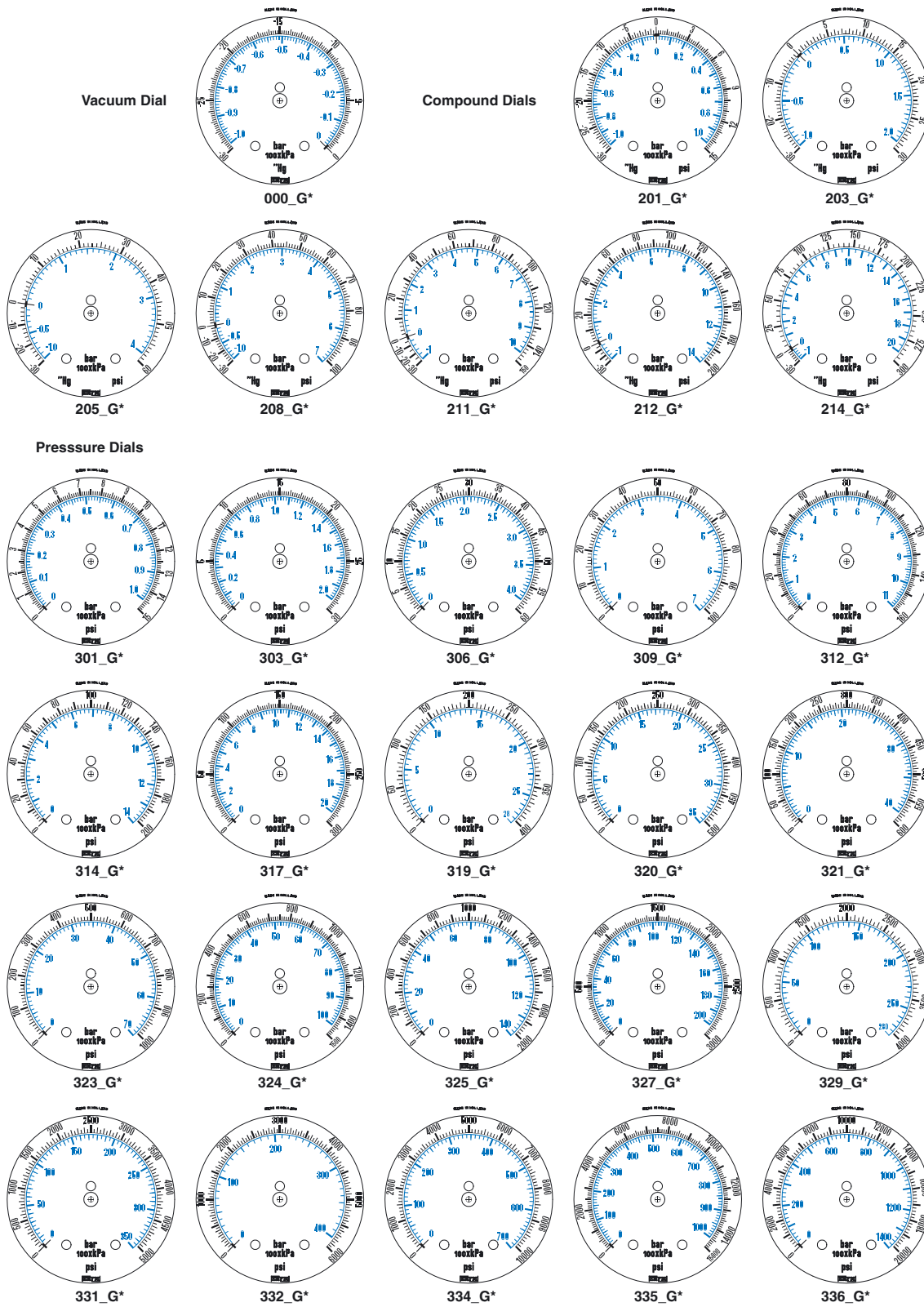
335_B*



336_B*

*pressure and Dial code at position 9,10,11 and 13 of article number.

Standard scale divisions tr-scale, size 4", 4 1/2" & 6"



*pressure and Dial code at position 9,10,11 and 13 of article number.

Conversion table

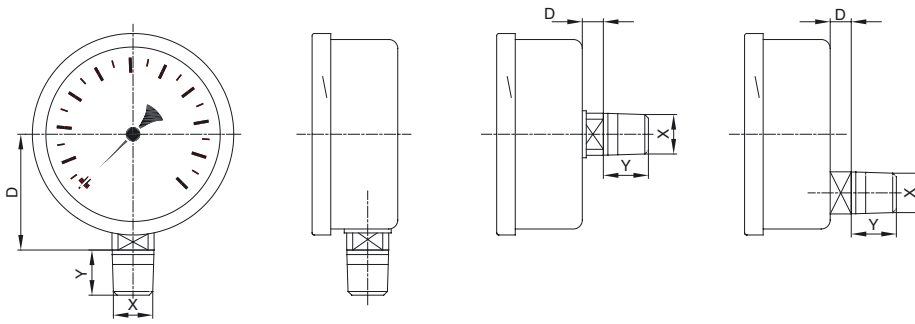
Technical units

	Unit	bar	mbar	Pa	kPa	mPa	psi	ft H ₂ O	in. H ₂ O	in. Hg	kp/cm ²	atm	mm Hg	mWs
SI Units	1 bar	1	1000	100000	100	0,1	1.450377 .10	3.345526 .10	4.014631 .10 ²	2.952999 .10	1.019716	9.869233 .10 ⁻¹	7.500617 .10 ²	1.019716 .10
	1 mbar	0.001	1	100	0,1	0,0001	1.450377 .10 ⁻²	3.345526 .10 ⁻²	4.014631 .10 ⁻¹	2.952999 .10 ⁻²	1.019716 .10 ⁻³	9.869233 .10 ⁻⁴	7.500617 .10 ⁻¹	1.019716 .10 ⁻²
	1 Pa	0.00001	0.01	1	0,001	0.000001	1.450377 .10 ⁻⁴	3.345526 .10 ⁻⁴	4.014631 .10 ⁻³	2.952999 .10 ⁻⁴	1.019716 .10 ⁻⁵	9.869233 .10 ⁻⁶	7.500617 .10 ⁻³	1.019716 .10 ⁻⁴
	1 kPa	0.01	10	1000	1	0,001	1.450377 .10 ⁻¹	3.345526 .10 ⁻¹	4.014631	2.952999 .10 ⁻¹	1.019716 .10 ⁻²	9.869233 .10 ⁻³	7.500617	1.019716 .10 ⁻¹
	1 MPa	10	10000	1000000	1000	1	1.450377 .10 ²	3.345526 .10 ²	4.014631 .10 ³	2.952999 .10 ²	1.019716 .10	9.869233	7.500617 .10 ³	1.019716 .10 ²
ANSI- and B.S. Units	1 psi	6.894757 .10 ⁻²	6.894757 .10	6.894757 10 ³	6.894757	6.894757 .10 ⁻³	1	2.306659	2.767990 .10	2.036021	7.030696 .10 ⁻²	6.804596 .10 ⁻²	5.171493 .10	7.030696 .10 ⁻¹
	1 ft H ₂ O	2.989067 .10 ⁻²	2.989067 .10	2.989067 10 ³	2.989067	2.989067 .10 ⁻³	4.335275 .10 ⁻¹	1	12	8.826711 .10 ⁻¹	3.048000 .10 ⁻²	2.949980 .10 ⁻²	2.241985 .10	3.048000 .10 ⁻¹
	1 in. H ₂ O	2.490889 .10 ⁻³	2.490889	2.490889 .10 ²	2.490889	2.490889 .10 ⁻¹	3.612729 .10 ⁻²	8.333333 .10 ⁻²	1	7.355592 .10 ⁻²	2.540000 .10 ⁻³	2.458316 .10 ⁻³	1.868320	2.540000 .10 ⁻²
	1 in. Hg	3.386388 .10 ⁻²	3.386388 .10	3.386388 .10 ³	3.386388	3.386388 .10 ⁻³	4.911541 .10 ⁻¹	1.132925	1.359510 .10	1	3.453155 .10 ⁻²	3.342105 .10 ⁻²	25.4	3.453155 .10 ⁻¹
Technical Units	1 kp/cm ²	9.806650 .10 ⁻¹	9.806650 .10 ²	9.806650 .10 ⁴	9.806650 .10	9.806650 .10 ⁻²	1.422334 .10	3.280840 .10	3.937008 .10 ²	2.895903 .10	1	9.678411 .10 ⁻¹	7.355592 .10 ²	10
	1 atm	1.013250	1.013250 .10 ³	1.013250 .10 ⁵	1.013250 .10 ²	1.013250 .10 ⁻¹	1.469595 .10	3.389854 .10	4.067825 .10 ²	2.992126 .10	1.033227	1	760	1.033227 .10
	1 mm Hg	1.333224 .10 ⁻³	1.333224	1.333224 .10 ²	1.333224 .10 ⁻¹	1.333224 .10 ⁻⁴	1.933677 .10 ⁻²	4.460334 .10 ⁻²	5.352401 .10 ⁻¹	3.937008 .10 ⁻²	1.359510 .10 ⁻³	1.315789 .10 ⁻³	1	1.359510 .10 ⁻²
	1 mWS	9.806650 .10 ⁻²	9.806650 .10	9.806650 .10 ³	9.806650	9.806650 .10 ⁻³	1.422334	3.280840	3.937008 .10	2.895903	0.1	9.678411 .10 ⁻²	7.355592 .10	1

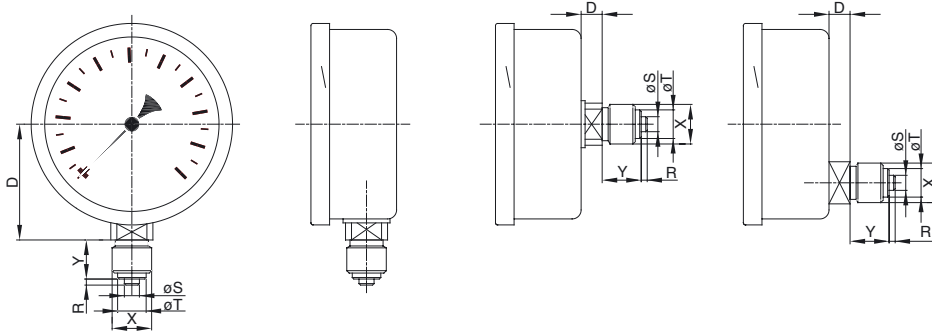
- 1 Pa \triangleq 1 N/m²
- 1 psi \triangleq 1 lb/in.²
- 1 hPa \triangleq 1 mbar
- 1 mm Hg \triangleq 1 Torr
- 1 kp/cm² \triangleq 1 at (atü)
- 1 oz/in.² \triangleq 4,309 223 mbar
- 1 mbar \triangleq 0,232 06 oz/in.²
- 1 oz/in.² \triangleq 1,730 042 in. H₂O
- 1 in. H₂O \triangleq 0,578 021 oz/in.²

Standard process connections

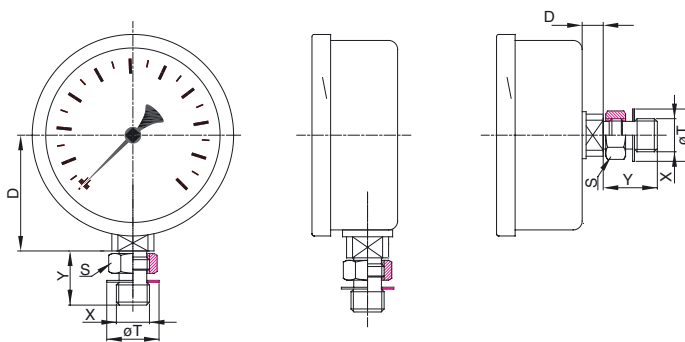
Form A



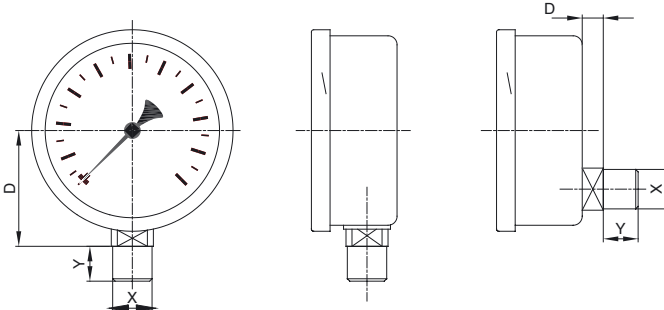
Form B



Form C



Form D

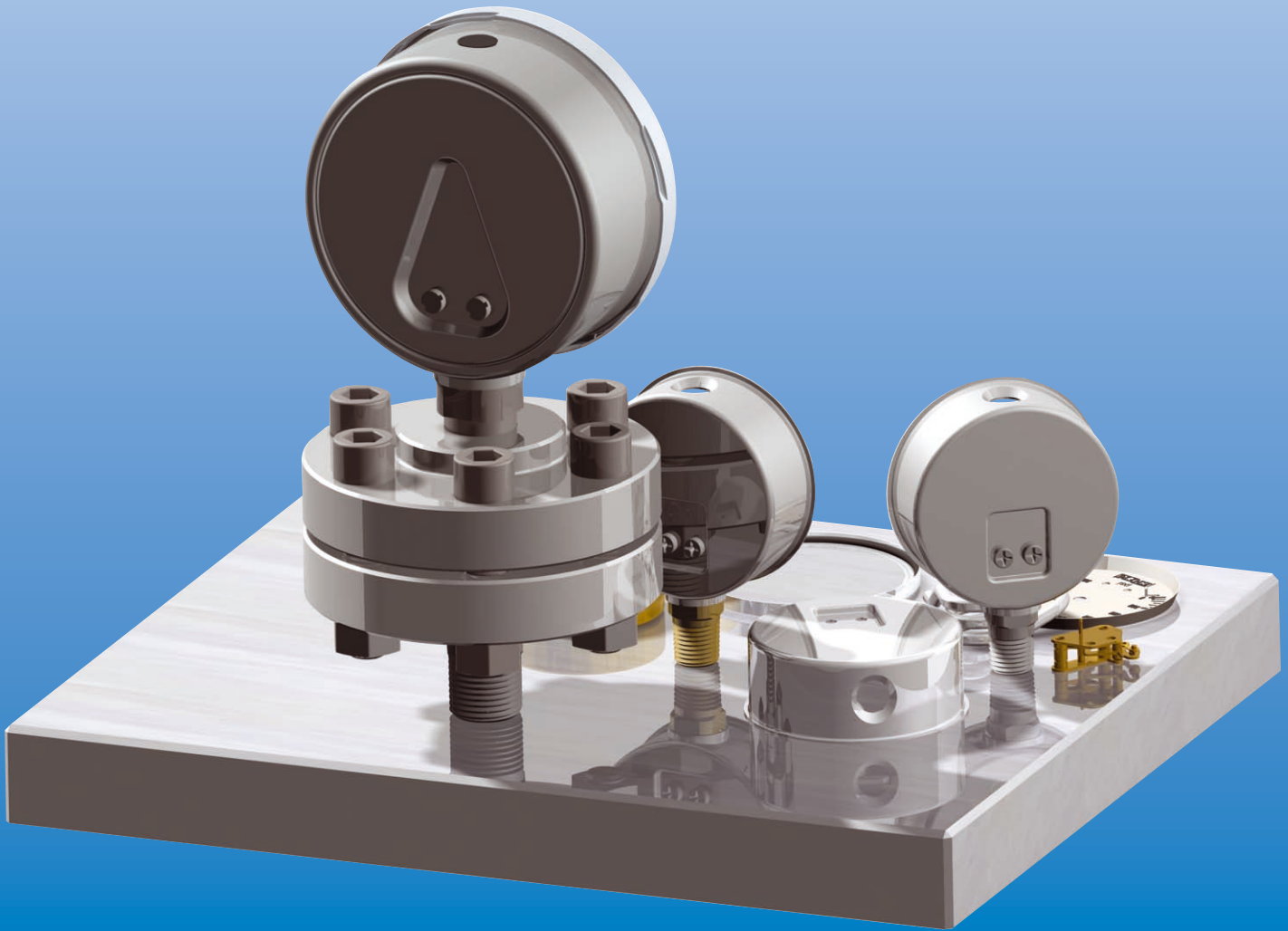


form	X	Y	R	S	T
A	1/8"NPT or 1/8" BSPT	.39			
	1/4"NPT or 1/4" BSPT	.51			
	1/2"NPT or 1/2" BSPT	.79			
B	G 1/8" A	.39	.08	.16	.31
	G 1/4" A	.51	.08	.20	.37
	G 1/2" A	.79	.12	.24	.69
C	7/16" UNF	.71		.55	.69
D	9/16" - 18 UNF	.71			
	5/8" - 18 UNF	.71			

form	X	Y	R	S	T
A	1/8"NPT or 1/8" BSPT	10			
	1/4"NPT or 1/4" BSPT	13			
	1/2"NPT or 1/2" BSPT	20			
B	G 1/8" A	10	2	4	8.0
	G 1/4" A	13	2	5	9.5
	G 1/2" A	20	3	6	17.5
C	7/16" UNF	18		14	17.4
D	9/16" - 18 UNF	18			
	5/8" - 18 UNF	18			

For measurement "D" consult sizes per series in this catalog
Please consult ENFM for special connections.

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