

ALL SS PRESSURE GAUGE

CAPSULE TYPE

Effex
INDUSTRIALSOLUTIONS

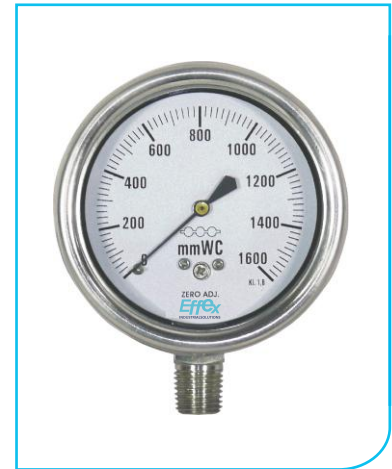
MODEL CODE : EAF

SPECIAL FEATURES

- ACCURACY ± 1.0 % F. S. (OPTIONAL)
- STAINLESS STEEL CASE & RING
- AVAILABLE RANGES: 60 mmWC TO 6000 mmWC
- COMPACT DESIGN
- PROVISION FOR ZERO ADJUSTMENT
- STANDARD FOLLOWED IN GENERAL EN 837-3

APPLICATIONS

LOW PRESSURE DRAFT MEASUREMENT, FOOD & BEVERAGES, PHARMACEUTICAL, BREWERIES, CONVENTIONAL, NUCLEAR POWER PLANTS, CLEAN AIR, GASEOUS, LOW VISCOUS LIQUID & NON CORROSIVE MEDIA THAT WILL NOT OBSTRUCT THE PRESSURE SYSTEM.



SPECIFICATIONS

STANDARD VERSION : 63 mm, 100 mm, 125 mm & 150 mm.

Accuracy	: ± 1.6 % of F. S.
Ambient temperature	: - 25°C to + 65°C
Process temperature	: Max 150°C
Operating Pressure Range	: 75% of Scale Value
Over pressure limit	: 100% of Max. Scale Value

Case & Bezel	: AISI 304 SS (Bayonet Type)
Capsule	: AISI 316L SS
Socket	: AISI 316L SS (Directly Welded to Case)
Movement	: AISI 304 SS
Joints	Tig Argon Arc Welding

Protection	: IP 65 (IP 55 for NS 63 mm)
Dial	: Aluminium, black graduation on white background : with zero adjustment provision
Pointer	: Alluminum Black Coloured, Fixed
Window	: Sheet Glass
Gasket & Filling Plug	: Neoprene

Temperature effect:

The variation of indication caused by effects of temperature is to be calculated by below formula; which is to be added in the specified accuracy while measurement :-

Formula : $\pm 0.04 \times (t_2 - t_1)$ % of F. S.

where t_1 = reference temperature (+20°C) and t_2 = ambient temperature in °C.

**PRESSURE
GAUGES**

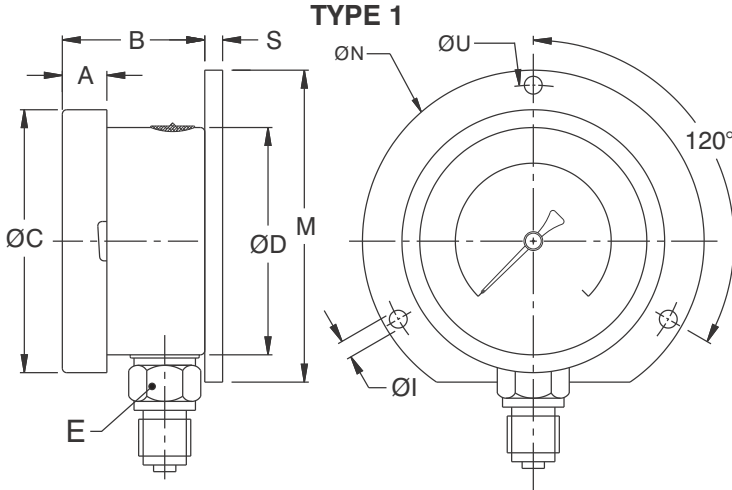
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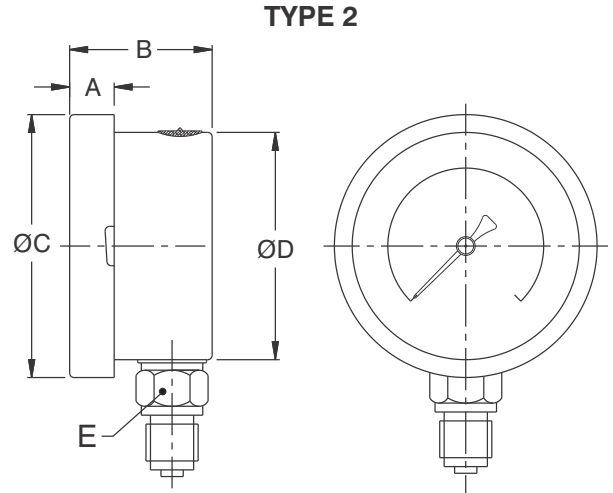


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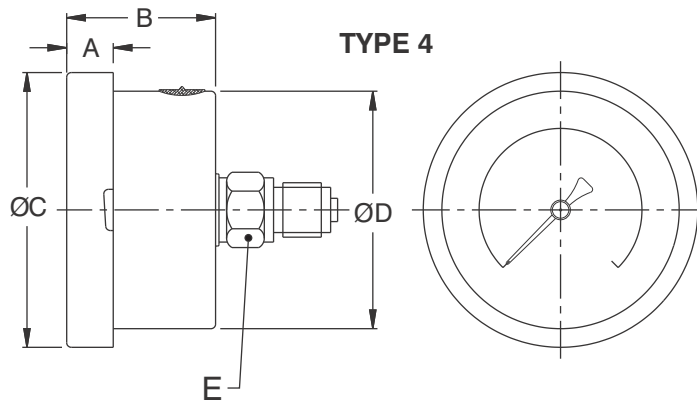
DIMENSIONS - STANDARD VERSION



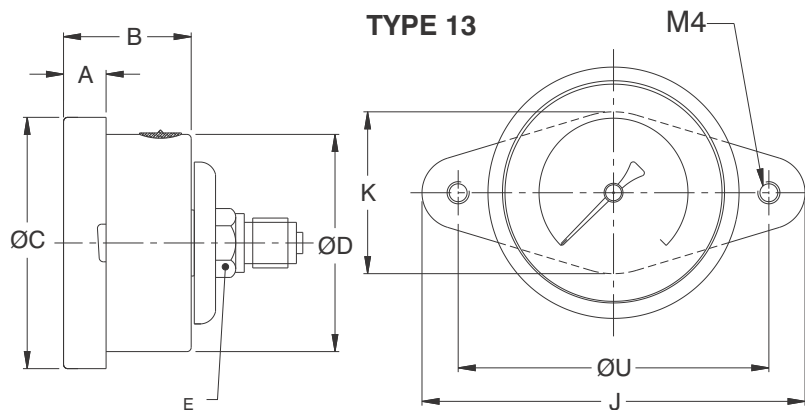
NS	A	B	ØC	ØD	E	S	ØN	ØI	ØU	M	Weight in gram (With Box)
63	12.5	46	77.5	66.5	A/F14	7	86	3.6	75	80	300.0



NS	A	B	ØC	ØD	E	Weight in gram (With Box)
63	12.5	46	77.5	66.5	A/F14	270.0



NS	A	B	ØC	ØD	E	Weight in gram (With Box)
63	12.5	46	77.5	66.5	A/F14	260.0



NS	A	B	ØC	ØD	E	J	K	ØU	Weight in gram (With Box)
63	12.5	46	77.5	66.5	A/F 14	91	38	70.5	320.0

PRESSURE GAUGES

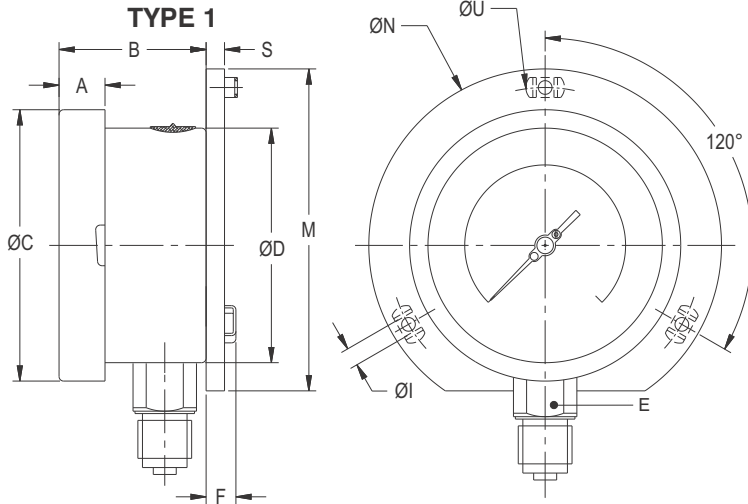
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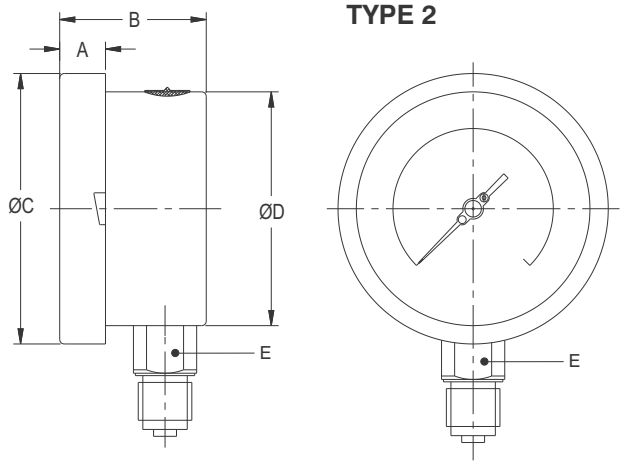


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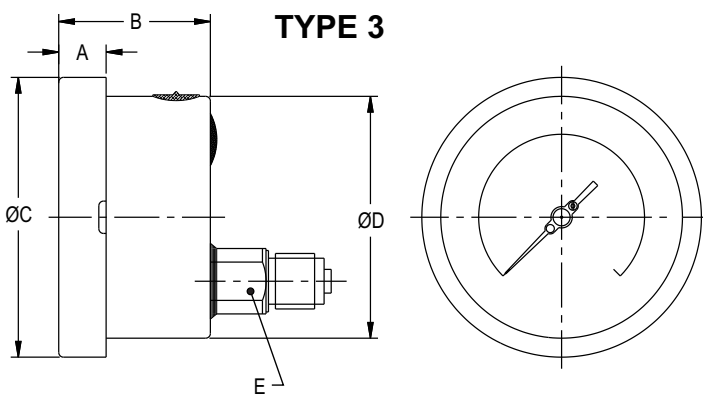
DIMENSIONS - STANDARD VERSION



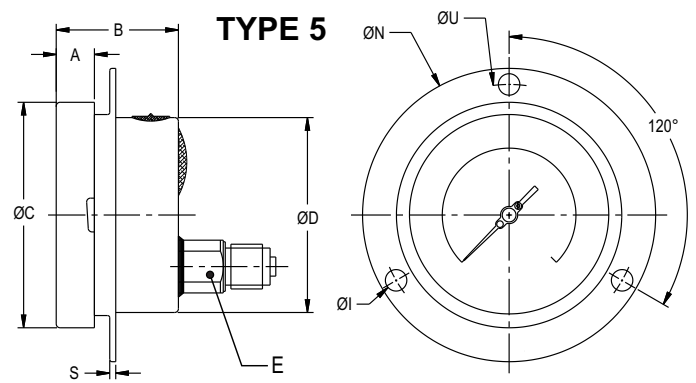
NS	A	B	ØC	ØD	E	M	S	F	ØI	ØN	ØU	Weight in gram (With Box)
100	12.5	45	111	100	22	128	6	14.5	6	134	118	690
125	15	46	129	119	22	-	4	15	6	152	138	760
150	15	46.5	161	149	22	174.5	5.5	15	6	186	168	1110



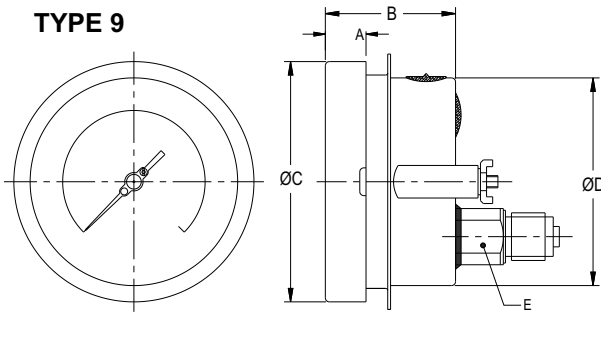
NS	A	B	ØC	ØD	E	Weight in gram (With Box)
100	12.5	47	111	100	22	605
125	15	48	129	119	22	670
150	15	49	161	149	22	1030



NS	A	B	ØC	ØD	E	Weight in gram (With Box)
100	12.5	47	111	100	22	640.0
125	15	48	129	119	22	750.0
150	15	49	161	149	22	1000.0



NS	A	B	ØC	ØD	E	S	ØI	ØN	ØU	Weight in gram (With Box)
100	12.5	47	111	100	22	1	6	134	118	695.0
125	15	48	129	119	22	4	6	150	137	850.0
150	15	49	161	149	22	5	6	186	168	1100.0



NS	A	B	ØC	ØD	E	J	K	V	Weight in gram (With Box)
100	12.5	47	111	100	22	72	16	108	740.0
125	15	48	129	119	22	75	16	125	890.0
150	15	49	161	149	22	106.5	16	166	1100.0

Notes : • Drawings are not to scale. • All Dimensions are in mm . • NS = Nominal Size
• Weights mentioned are approximate and for standard product. Weight can be different after selection of options.

PRESSURE GAUGES

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RANGE TABLE

Note : Effex offers National / International Scales like mbar, kPa, inWC, MWC, inHg, mmHg & Dual Scale or Equivalent scales as per the requirement can be provided on request.

Following are the example tables for mmWC scales

PRESSURE RANGE

SINGLE SCALE - mmWC					
0/60*	0/250	0/600	0/1600	0/2500	0/6000
0/100*	0/400	0/1000	0/2000	0/4000	

* Available for NS 150 mm only.

VACCUUM & COMPOUND RANGE

SINGLE SCALE - mmWC					
- 60/0*	- 250/0	- 600/0	- 1600/0	- 2500/0	- 6000/0
- 100/0*	- 400/0	- 1000/0	- 2000/0	- 4000/0	
SINGLE SCALE - mmWC					
- 10/50*	- 100/150	- 200/400	- 600/1000	- 1000/1500	- 2000/4000
- 50/50*	- 150/250	- 400/600	- 800/1200	- 1500/2500	

* Available for NS 150 mm only.

ACCESSORIES (Refer Datasheet for Complete specification)

EEC GAUGE COCK	EEG SNUBBER	EED OVERLOAD PROTECTOR (GAUGE SAVER)*
* FOR PRESSURE RANGE 2500 mmWC & ABOVE		

HOW TO ORDER

BASIC MODEL

Example

EAF

NOMINAL SIZE

D	F	G	H
63 mm	100 mm	125 mm	150 mm

F

TYPE OF MOUNTING

	B	C	D	E
1 WALL / SURFACE / PROJECTION MOUNTING WITH BOTTOM ENTRY	✓	✓	✓	✓
2 DIRECT BOTTOM ENTRY	✓	✓	✓	✓
3 DIRECT LOWER BACK ENTRY	X	✓	✓	✓
4 DIRECT CENTER BACK ENTRY	✓	X	X	X
5 LOWER BACK ENTRY WITH FRONT FLANGE	X	✓	✓	✓
9 LOWER BACK ENTRY WITH MOUNTING BRACKET	X	✓	✓	✓
13 CENTER BACK ENTRY WITH MOUNTING BRACKET	✓	X	X	X

2

GAUGE CONNECTION

2BM 1/4" BSP (M)#	3BM 3/8" BSP (M)*	4BM 1/2" BSP (M)*	4MM M20 x 1.5 (M)*
2NM 1/4" NPT (M)#	3NM 3/8" NPT (M)*	4NM 1/2" NPT (M)*	

* These connections will be provided through adaptors for NS 63 mm. Consult factory for minimum order quantity, price & delivery.

Note : Connections like Metric/ PT/ PF/ Flaired/ UNF/ G/ R etc can be provided on request.

4NM

RANGE

0-600 mmWC

REFER RANGE TABLE

OPTIONAL EXTRAS

RX-SX

PS AISI 316 CASE & BEZEL**	RW PLEXI GLASS
PW FIVE POINT CALIBRATION CERTIFICATE	RX SHATTERPROOF / SAFETY GLASS
PU CALIBRATION CERTIFICATE TRACEABLE TO NATIONAL/ INTERNATIONAL STANDARDS	RZ TOUGHENED GLASS
QB INTEGRAL DAMPENING SCREW (AISI 316 SS)	SW DIAL TAG MARKING
RH CUSTOM DESIGNED DIAL	GH MATERIAL TEST CERTIFICATES*
SU BRASS MOVEMENT	SX SS TAG PLATE
IX 4 1/2" SOLID FRONT PHENOL CASE	KA ON-OFF TYPE VENT PLUG
IY 4 1/2" SOLID FRONT POLYPROPYLENE CASE	OB ACCURACY ± 1.0 % of F. S

* MATERIAL TEST CERTIFICATES WILL BE PROVIDED FOR WETTED PARTS ONLY WITH CHEMICAL COMPOSITION TESTING. FOR OTHERS, PLEASE CONSULT FACTORY.

Ordering Example: EAF - F - 2 - 4NM - 600 mmWC - RX - SX

FOR OTHER OPTIONAL ITEMS, PLEASE CONTACT FACTORY FOR DELIVERY AND MINIMUM QUANTITY OF ORDER.

Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing.

Modifications may take place and materials specified may be replaced by others without prior notice.

PRESSURE GAUGES