

ELITE

ACCURATE MEASURING

ULTRA HIGH PRESSURE GAUGES

WETTED PARTS -NACE MR0175

AISI 316L SS , HASTELLOY-C276 , INCONEL 625 , MONEL 400



ABSA

the pressure equipment safety authority

Ranges
available up
to 60,000 psi



EXCELPLUS MOVEMENT-PMI TESTED -ACCURACY 0.5% -MIRROR DIAL/
DIAL FLUORESCENT /GLOW IN DARK -KNIFE EDGE POINTER

ELITE INSTRUMENTS

ISO 9001 COMPANY

PRESSURE GAUGE | THERMOMETER | DIAPHRAGM SEAL | ACCESSORIES

www.elite-instruments.com

SPECIAL FEATURES

Phenolic Case With Solid Front Design
 Blow out back
 Standard followed ASME-B.40.1
 Helium Leak Tested
 Built in Stabilizer Movement
 Ready For Oxygen Use
 Internal Vacuum /Over Pressure Stops
 IP 66



SPECIFICATIONS

Ambient Temperature: -4 °F (-20°C) to +150°F (+65°C)
 Process Temperature: Max. 392°F(200°C)
 Operating Pressure Range: 75% of scale value
 Over Pressure Limit: 150% of Max. scale value
 Case & Bezel: Phenolic
 Joints: Tig Argon Arc Welding
 Protection: IP 66
 Socket: AISI 316L

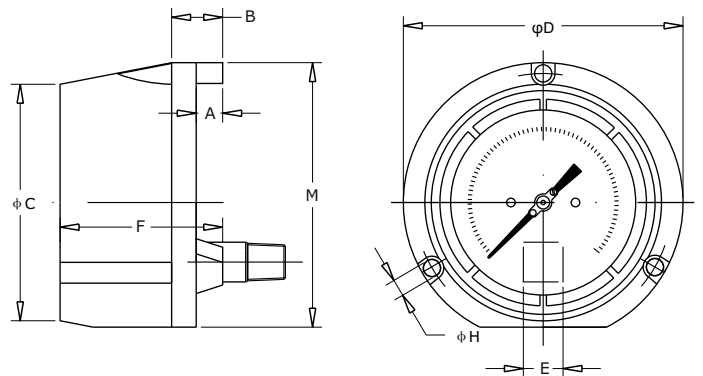
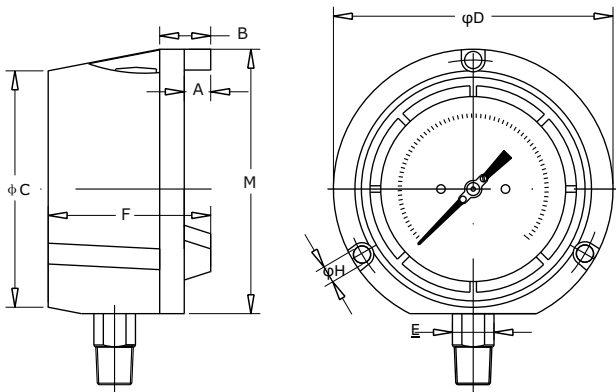
Bourdon: AISI 316L
 Movement: AISI 304
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Gasket: Viton
 Ranges: Vacuum to 40,000psi

ACCURACY AS PER ASME B.40.1

4.5" : 0.5-0.5-0.5 (Grade 2A)

WETTED PARTS

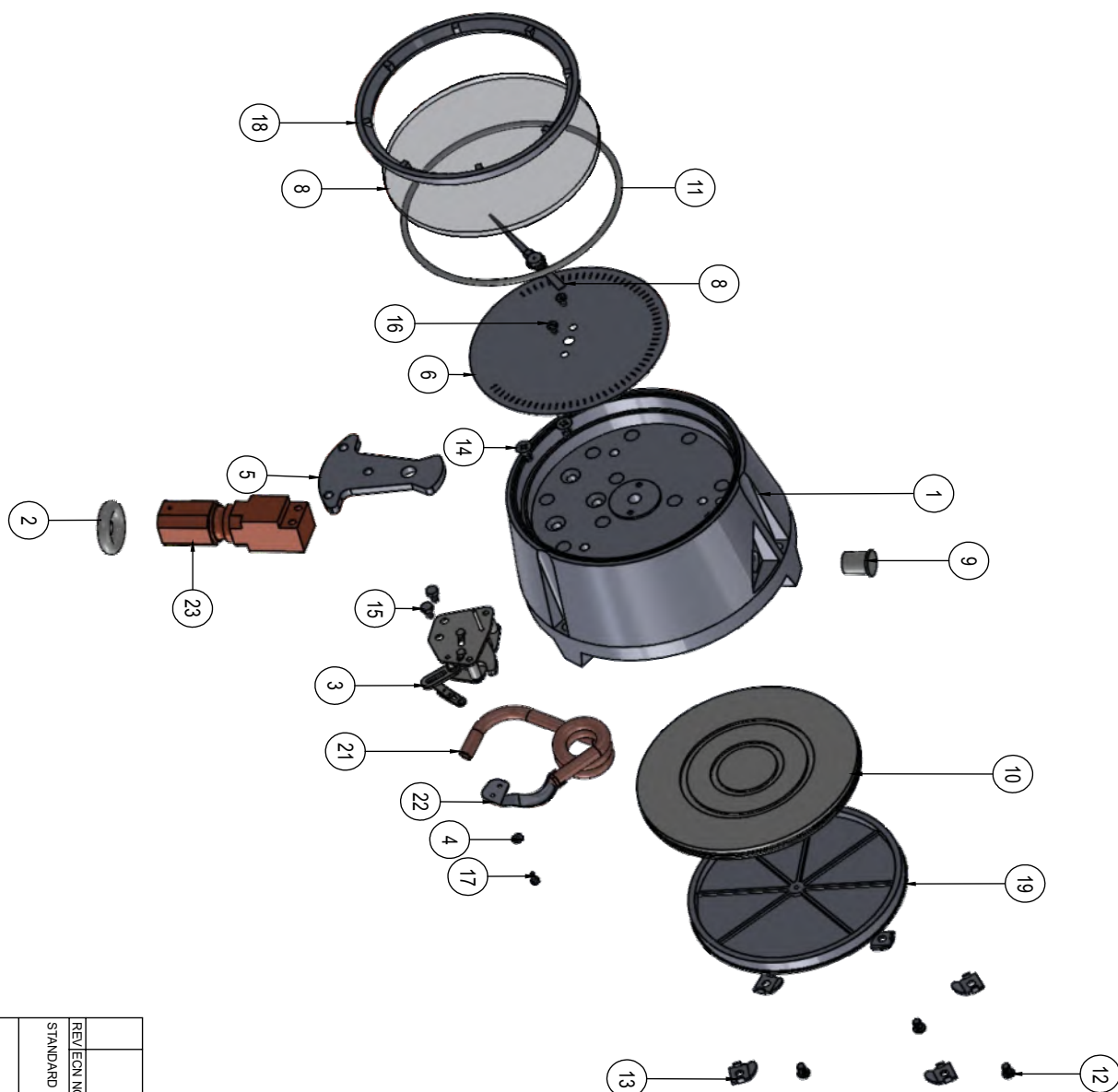
SS316L / MONEL 400 / HASTELLOY C-276 / INCONEL / Ni SPAN.



NS	A	B	φC	φD	E	F	φG	φH	M	Weight (lbs)
4.5"	0.6"	1.0"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	2.38

NS	A	B	φC	φD	E	F	φG	φH	M	Weight (lbs)
4.5"	0.6"	1.0"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	2.38

*For More Details , Refer Pressure Gauge Catalogue.



SPECIAL FEATURES

Standard Followed ASME-B 40.1 / EN837-1
 Stainless Steel Case With Solid Front Design
 Wetted Parts AISI 316L Stainless Steel
 Build in Stabilizer Movement
 Dry or Liquid Version
 Silicone fillable version availability
 NACE MR 0175 Compliance
 Helium Leak Tested
 Laser Welded Case Design
 Ready For Oxygen Service
 Internal Vacuum/ Over pressure Stops
 IP 66

SPECIFICATIONS

Ambient Temperature: -4 °F (-20°C) to +150°F (+65°C)
 Process Temperature: Max. 392°F (200°C)
 Operating Pressure Range: 75% of Scale Value
 Over Pressure Limit: 125% of Max. Scale Value
 Case: AISI 304 SS
 Joints: Tig Argon Arc Welding
 Socket: AISI 316L SS
 Bourdon: AISI 316L SS
 Movement: AISI 304 SS
 Dial: Aluminum
 Pointer: Micro Zero Adjustable
 Window: Safety Glass
 Range: Vacuum to 20,000PSI FOR 2.5"(63mm)
 Vacuum to 40,000PSI FOR 4" (100mm), 4.5"(125mm)
 Vacuum to 60,000PSI FOR 6"(160mm)

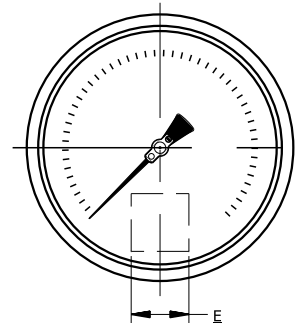
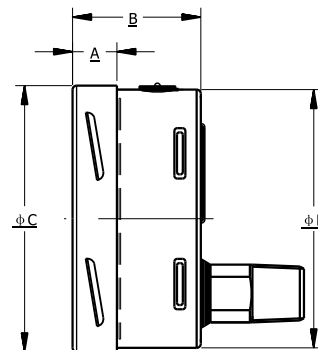
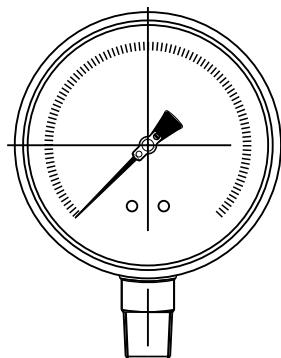
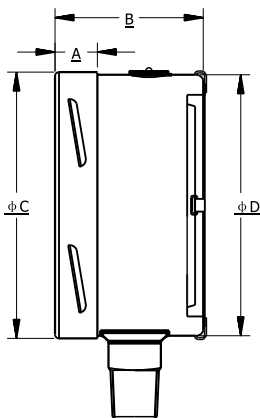


ACCURACY AS PER ASME B.40.1/ EN 837-1

2.5" (63mm)	GRADE A, 1.6% / GRADE 1A, 1%
4" (100mm) / 4.5" (125mm) / 6" (152mm)	GRADE 1A, 1% / GRADE 2A, 0.5%

WETTED PARTS

SS316L / MONEL 400 / HASTELLOY C-276 / INCONEL / Ni SPAN.



NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.7"	2.5"	2.4"	0.6"	0.44
4"	0.6"	2.2"	4"	3.9"	0.87"	1.50
4.5"	0.6"	2.2"	5"	4.5"	0.87"	2.12
6"	0.6"	2.2"	6.3"	6.2"	0.87"	2.91

NS	A	B	φ C	φ D	E	Weight (lbs)
2.5"	0.5"	1.4"	2.5"	2.4"	0.6"	0.44
4"	0.6"	2"	4"	3.9"	0.87"	1.50

*For More Details , Refer Pressure Gauge Catalogue.



NOTES
1. ALL DIMENSIONS ARE IN MM
2. SHARP EDGES SHOULD BE REMOVED
3. * MARK DIMENSIONS ARE CRITICAL

Sr NO.	ITEM NUMBER	DESCRIPTION	MATERIAL	QTY.
1	BK 4040	Y100 LM SOLID FRONT CASE	SS 304	1
2	Z04005	Y100 ORIGINAL FINISH SS304 BAYONET BEZEL	SS 304	1
3	BK5040	Y100 SOLID FRONT BACK COVER	SS 304	1
4	M642	VITON BACK GASKET/SOLID FRONT CASE	VITON	1
5	M500	Y100 VITON GASKET	VITON	1
6	M630	12.8MM VITON ON/OFF OIL PLUG	VITON	1
7	BDXXX	DAL	ALUMINIUM	1
8	ZZ019	YC100 MICRO-ADJUSTABLE POINTER	ALUMINIUM	1
9	DP003	FLAT WASHER 2X6X0.3MM	SS304	1
10	BJ4X005	4" G1/8 SS THICK GEAR LP MOVEMENT WITH DOUBLE LOCK 12/23	SS304 / SS316	1
11	BL5003	ADJUSTABLE SCREW M2X4.5X7.0	SS304	1
12	XZ005	6" CHROME PLATED ZERO STOP 7.8*1.5	CHROME PLATED	1
13	FBKLS072	1/4" STAINLESS STEEL LENGTHEN SCREW (SOLID FRONT CASE)	SS304	2
14	BL5026	M2*3.2 STAINLESS STEEL FLAT HEAD SCREW	SS304	2
15	Z04049	Y100 SOLID FRONT 4 PIECES SAFETY PARTS	SS304	4
16	B45123-3	4" LM 9/16 UNF 1 PC WELDING HP SS316 SOCKET 12/23	SS 316	1
17	BZNO05	1/4" SCREW IN STAINLESS STEEL DAMPENING SCREW SS316	SS 304	1
18	BL5051	MAX6 STAINLESS STEEL SCREW HX8.5 FOR PPC	SS 304	3
19	HTJ003	LASER WELDING SS SQUARE RING	SS 304	2
20	BL1008	96mm SAFETY GLASS	GLASS	1
21	BGZ4024	4" SS 316L BT 0-2000 PSI	SS 316L	1
22	LG009	4" HP TUBE END	SS 304	1

					ELITE INSTRUMENTS INDIA SPL PLOT NO.3,APIC, PHASE-1,PEDDAPURAM- 533437, EGDIST, ANDHRA PRADESH				
REV/ECN NO.	ALTERATIONS DONE	MARK	DATE	SIGN					
STANDARD DETAILS:					PART NAME: 4" LM 9/16 UNF LP SOLID FRONT GAUGE				
DRAWING NO.					REV/NO :- 0				
DRAWN BY		SS	NO OF SHEETS: 1			SHEET NO: 1 OF 1			
CHECKED BY		YZ	MOC:			ITEM CODE :			
APPROVED BY		DP	QTY:			NET WT :			
SIGN	NAME	DATE	GROSS WT :						
PLEASE DO NOT REVERSE DRAWING IS NOT REPRODUCED									
									



the pressure equipment safety authority



NS : 40 / 50 / 63 / 80 /
100 / 125 / 160 /
200 / 250mm

Ranges
available up
to 60,000 psi

WETTED PARTS -AVAILABLE SS 316L , HASTELLOY-C276 , INCONEL 625 , MONEL 400

- Bourdon Tube - AS PER NACE MR 0175
- Socket - AS PER NACE MR 0175
- Bourdon Tube - Seamless Tube
- Tig Welding - Approved by TUV
- Leak Testing - Helium Leak Tested
- Movement - Silicone Jelly Movement
- Dial - White Aluminum
- Window - Safety Glass
- Gasket - NBR
- Blow out Disc - Temperature Compensated
- IP Protection - IP 68

*PLEASE REFER PRESSURE GAUGE CATALOGUE FOR DETAILS



ABOUT US:

Elite instruments company having 20,500 square meter manufacturing area with 350 employees.

Elite instruments have daily production capacity of 20,000 instruments Per day.

Elite instruments total invested over 12 million into our equipment and buildings.

Elite Instruments is an ISO 9000:2015 certified manufacturing company for Measuring instruments and its accessories.

We manufacture

- Pressure gauges,
- Ultra-high-pressure gauges,
- Temperature gauges
- Diaphragm seals
- Accessories
- Thermowells
- Valves and Manifolds.
- Pressure, temperature and level transmitters

Headquartered at China, Elite Instruments also have manufacturing locations at

- China
- Saudi Arabia
- Mexico
- India to better serve our customers.

We also have Distributors at

- TURKEY
- NETHERLANDS
- United States of America,
- CANADA
- MEXICO
- BRAZIL.

Elite instruments Established in 2010, we deliver over 8 million quality products per year 75 countries every year.

Currently Worldwide, estimated 6 million ELITE measuring instruments are in use. Elite serves a wide variety of industries worldwide, including:

- Oil and Gas
- Chemical and Petrochemical
- Food and Pharmaceutical
- Water and Wastewater
- Engineering and Process

Elite Instruments' customer service is fast and flexible. We always put our CUSTOMER FIRST.

Let us prove that we are the best choice for your manufacturer of measuring instruments.

Elite also specializes in developing custom-built OEM products as per customer exact requirements.

Our proficient team of engineers will work to bring your custom design products to life, or work with you to create new products designed to meet your exact needs.

Our customers have testified that the Quality, workmanship, appearance and packaging of Elite products are second to none.

Please visit our website www.elite-instruments.com or send your enquiry to sales@elite-instruments.com

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