ALL SS PRESSURE GAUGE

BOURDON TYPE (DIN CASE)

WAAREE BE

SPECIAL FEATURES

- STAINLESS STEEL CASE & MEASURING SYSTEM
- SOCKET DIRECTLY WELDED TO CASE
- PROTECTION IP 65 / IP 66
- DRY OR FILLABLE VERSION
- ACCURACY UPTO 0.5%
- STANDARD FOLLOWED IN GENERAL EN 837-1

APPLICATIONS

FOOD & BEVERAGE, PHARMACEUTICAL, CRYOGENICS, CHEMICAL & PETROCHEMICAL INDUSTRIES, CONVENTIONAL & NUCLEAR POWER PLANTS, PUMPS, HYDRO-CLEANING MACHINES, PRESSES, ENGINE COMPRESSORS, TURBINES, DIESEL ENGINES & REFRIGERATING PLANTS.
SUITABLE FOR CORROSIVE ENVIRONMENTS & GASEOUS OR MEDIA THAT WILL NOT OBSTRUCT THE PRESSURE SYSTEM.



SPECIFICATIONS

STANDARD VERSION: 63 mm, 100 mm & 150mm

	<u> </u>
Accuracy	: ±1.0% of F.S.
Ambient temperature	: - 25°C to + 65°C
Process temperature	: Max 300°C
Operating pressure	: 75% of Scale value
Over pressure limit	: <u><</u> 100 bar : 125% of Max. Scale value
	: > 100 to ≤ 600 bar : 115% of Max. Scale value
	: > 600 to ≤ 1600 bar : 110% of Max. Scale value

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

Protection	:	IP 65
Dial	:	Aluminium, black graduation on white background
Pointer	:	Aluminium, black coloured Micrometer zero adjustable
Window	:	Sheet Glass
Blow off Disc	:	Neoprene
Gasket & Filling Plug	:	Neoprene

DRY BUT FILLABLE VERSION (OPTION FG)

Fillable Dampening Liquid	:	Glycerine 98% (Option - FG)
Process Temperature	:	Maximum 65°C
Window	:	Plexi Glass
Other Features		Refer Specification of Standard Version

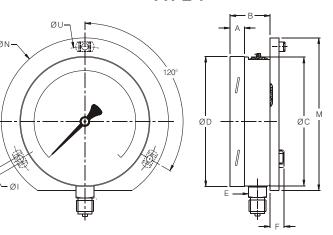
GLYCERINE FILLED VERSION (OPTION PY)

:	±1.0% of F.S.
:	Maximum 65°C
:	Maximum 65°C
:	Plexi Glass
:	Glycerine 98% (others available as option)
:	Refer Specification of Standard Version
	: : : : : : : : : : : : : : : : : : : :



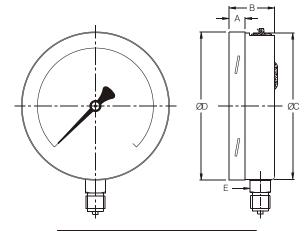






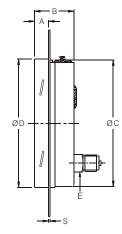
NS	А	В	ØC	ØD	Ε	F	ØI	ØN	ØU	М	Weight in gram (With Box)
63											
100	17.5	49	99	101	22	15	4.8	132	116	128	645.0
150	17.5	51.5	159	162	22	15	5.8	196	178	188	1280.0

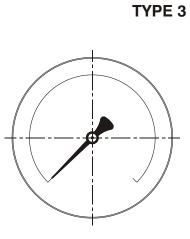
TYPE 2

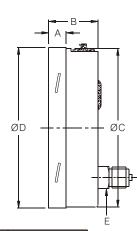


NS	Α	В	ØС	ØD	Е	Weight in gram (With Box)
63						
	17.5					
150	17.5	51.5	159	162	22	1100.0

TYPE 5

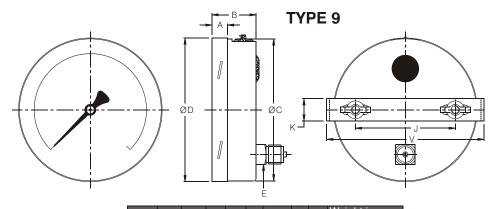






NS	Α	В	ØC	ØD	Е	ØI	ØN	ØU	S	Weight in gram (With Box)
63										
100	17.5	49	99	101	22	4.8	132	116	1	630.0
150	17.5	51.5	159	162	22	5.8	196	178	1	1180.0

NS	Α	В	ØС	ØD	Е	Weight in gram (With Box)
63						
100	17.5	49	99	101	22	550.0
150	17.5	51.5	159	162	22	1060.0



NS	Α	В	ØС	ØD	Е	J	K	٧	Weight in gram (With Box)
63									
100	12.5	49	99	101	22	66.5	16	106	760.0
150	17.5	51.5	159	162	22	103.5	16	158	1400.0









RANGE TABLE

Note: Waaree offers National / International Scales like kPa, MPa, bar, psi, kg/cm² & Dual Scale like kPa with psi, kPa with bar, bar with psi or Equivalent scales as per the requirement can be provided on request.

Following are the example tables for kg/cm² & psi scales

PRESSURE

SINGLE SCALE (kg	/cm² or bar)				
0/0.6	0/4	C	/25	0/160	0/1000
0/1	0/6	C	/40	0/250	0/1600
0/1.6	0/10	C	/60	0/400	
0/2.5	0/16	0,	100	0/600	
DUAL COALE / DOL					
DUAL SCALE (PSI w	vith kg/cm²) or PSI with	bar			
PSI	Kg/cm ²	PSI	Kg/cm ²	PSI	Kg/cm ²
0/15	0/1	0/400	0/28	0/4000	0/280
0/30	0/2	0/500	0/35	0/5000	0/350
0/60	0/4	0/600	0/40	0/6000	0/400
0/100	0/7	0/1000	0/70	0/10000	0/700
0/150	0/10	0/1500	0/100	0/15000	0/1000
0/220	0/16	0/2200	0/160	0/22000	0/1600
0/300	0/20	0/3000	0/200		

VACUUM & COMPOUND

SINGLE SCALE (kg/cm²)									
- 1/0	- 1/1.5	- 1/5	- 1/15						
- 1/0.6	- 1/3	- 1/9	- 1/24						
- 1/0.0	- 1/5	- 1/9	- 1/24						

DUAL SCALE (inHg with PSI & mmHg with kg/cm²)						
inHg with PSI mml	Hg with kg/cm ²	inHg with PSI	mmHg with kg/cm ²	inHg with PSI	mmHg with kg/cm ²	
- 30/0	- 760/0	- 30/60	- 760/3	- 30/200	- 760/15	
- 30/15	- 760/1	- 30/100	- 760/6	- 30/300	- 760/20	
- 30/30	- 760/2	- 30/150	- 760/9	- 30/350	- 760/24	

RECEIVER

LINEAR SCALE	SQUARE ROOT SCALE
(0 - 100% Internal Scale)	(0 - 10 Sq - Root Internal Scale)
External Scale	External Scale
0.2 - 1 kg/cm ² or 3 - 15 psi	0.2 - 1 kg/cm² or 3 - 15 psi
(0-100% linear scale)	(0.2 - 1 kg/cm²)

FREON (WITH TEMPERATURE SCALE)

Note: For temperature scales, please provide refrigerant name.

AMMONIA (WITH TEMPERATURE SCALE)

RANGE (PSI)		(kg/cm²)	(psi)
-30 inHg - 150	0-300	-1 to 12.5	-30 inHg - 150
-30 inHg - 300	0-500	-1 to 16	-30 inHg - 300
		-1 to 25	0 - 300

ACCESSORIES (Refer Datasheet for complete specifications)

EB COOLING TOWER	ED OVERLOAD PROTECTOR (GAUGE SAVER)	EG SNUBBER
EC GAUGE COCK	* NEEDLE VALVE	EH SIPHON

^{*} Refer catalogue for Valves & Manifolds







HOW TO ORDER

BV	SIC MODEL						Exam	nple
COI							ВІ	E
NO	MINIAL 0175	_		_				
NOI	MINAL SIZE	D		F	150 mm		X	,
		63 m	m 100	0 mm	150 mm		^	\
TYP	E OF MOUNTING							
2 DI 3 DI 5 FL	ALL / SURFACE / PROJEC IRECT BOTTOM ENTRY IRECT LOWER BACK ENTRY LUSH PANEL BACK ENTRY ACK ENTRY WITH MOUNT	WITH FRONT FLANGE	TOM ENT	RY			x	(
GAL	JGE CONNECTION ((* Applicable for NS 63 mm.)						
2BM	1/4" BSP (M)*	2NM 1/4 " NPT (M)*	4	ITM 1,	/2" BSPT (N	M)		
	,	4NM 1/2" NPT (M) STANDA	RD 4	IMM N	l 20 x 1.5 (M	1)	XX	X
	1/2" BSP (M) STANDARD	- / DT / DE / El-: / LINE / O / E						
Note	: Connections like Metric	c/ PT/ PF/ Flaired/ UNF/ G/ F	t etc can i	be prov	idea on rec	quest.		
	NGE						0-1	10
REFE	ER RANGE TABLE						kg/d	
							Kg/C	J111
OP1	TIONAL EXTRAS							
OA	ACCURACY ± 0.5% OF F.S.		SX	SS TA	G PLATE			
_	(DRY VERSION & MAXIMUM REA		SW		AG MARKING	}		
TI FL	MONEL BOURDON & SOCKE INTEGRAL DAMPENING SCR	,	ТВ		M LEAK TEST			
FS	FILLABLE LIQUID SILICON O	'	TF		ED TO NACE S		_	
FG	FILLABLE LIQUID GLYCERIN		PW SG			RY CALIBRATION CERTIFICATE (DRY VERSION)	<u>:</u>	
PZ	DAMPENING LIQUID MINERA	AL LIQUID FILLED	RH		OM DESIGNEI	'		
PX	DAMPENING LIQUID FLOUR		QB			NING SCREW (AISI 316 SS)		
PY	DAMPENING LIQUID GLYCEI		SA	INTER	NAL OVERPR	RESSURE STOP		
QA RR	DAMPENING LIQUID SILICON ENCLOSURE PROTECTION		SB		NAL VACUUN	1 STOP	XX	K
RE	ENCLOSURE PROTECT		ZB		IVER RANGE	THE TEMPERATURE COALE		
RW			ZC ZD		,	TH TEMPERATURE SCALE) WITH TEMPERATURE SCALE)		
RX	SHATTERPROOF/SAFETY	GLASS	PS		16 SS CASE &	,		
RZ	TOUGHENED GLASS		SD		16 SS MOVE			
SF	MOVEMENT WITH DAMPEN	IING JELLY	ZZ	EPOX*	Y PAINTED CA	ASE & BEZEL		
SI	KNIFE EDGE POINTER	ED (ONLY FOR DRY VERGION)	ZM			ED CASE & BEZEL		
SJ SH	FIXED POINTER	ER (ONLY FOR DRY VERSION)	ZF			URNISHING FINISH		
SL	ZERO ADJUSTABLE POINTE	R	ZK KA			NG FINISHING		
ZL	OVER RANGE PROTECTION		SQ		OFF TYPE VEN	NG TYPE BEZEL NT PLUG		
				011		200		

* Gasket, BOD & Filling plug of VITON / NBR.

Ordering Example: BE - X - X - XXX - 0/10 kg/cm² - XX

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.



^{**}INTEGRAL DAMPENING SCREW WILL BE IN MONEL IF ORDERED. REFER OPTION FL.