ASHCROFT®
Trust the shield.®

All stainless steel process gauge
Model T5400

FEATURES

- Rugged all welded stainless steel construction
- 100 mm and 160 mm case size
- Weatherproof protection IP66/IP67 (NEMA 4X)
- Overload protection 130 %
- Dry, liquid filled

APPLICATIONS

- Offshore oil rigs
- Chemical and petrochemical plants
- Machine equipment
- Food and beverage industry
- Pulp and paper
- Power plants

The Ashcroft® T5400 stainless steel pressure gauge Providing high reliability, versatility and performance, it proves an ideal product for satisfying many applications and installation requirements.

SPECIFICATIONS	
Model number:	T5400 open front with rear blow out disk, compensation diaphragm and ventable fill plug on top
Accuracy:	Class 1.6; 1.6 % Full scale Optional 1.0 % Full scale
Dial sizes:	100 mm or 160 mm
Ranges:	Vacuum, compound, 0 to 600 bar psi, kPa, MPa, kg/cm2 and others
Working pressure:	Suitable for maximum steady working pressure equal to the maximum scale value
WETTED COMPONENTS	
Tube:	Stainless steel 316L (1.4404)
Process Connection:	Stainless steel 304 (1.4301) Stainless steel 316L (1.4404)
NON-WETTED COMPONENTS	
Window:	Glass, polycarbonate or safety glass
Window Sealing:	NBR, optional Viton
Compensation:	NBR, optional Viton
Dial:	Black figures on white background, aluminum; (secondary scale is inner scale for dual scale dials)
Pointer:	Black, aluminum optional adjustable micrometer pointer, red set hand, maximum pointer
Movement:	Stainless steel 304 (1.4301)
Case:	Stainless steel 304 (1.4301) optional stainless steel 316L (1.4404)
Bayonet Ring:	Stainlees steel 304 (1.4301) optional stainless steel 316L (1.4404)
Process Connection Location	Lower or back
Process Connection Sizes:	All common sizes, see page 6
Fill Fluid:	Dry, Glycerine, Silicone,

MIN./MAX. TEMPERATURE LIMITS			
VERSION	AMBIENT	PROCESS	STORAGE
Dry	-40 °C bis 70 °C (-40 °F bis 158 °F)	-40 °C bis 200 °C (-40 °F bis 392 °F)	-40 °C bis 70 °C (-40 °F bis 158 °F)
Glycerine	-7 °C bis 70 °C (19 °F bis 158 °F	-7 °C bis 70 °C (19 °F bis 158 °F)	-7 °C bis 70 °C (19 °F bis 158 °F
Silicone	-40 °C bis 70 °C (-40 °F bis 158 °F)	-40 °C bis 93 °C (-40 °F bis 200 °F)	-40 °C bis 70 °C (-40 °F bis 158 °F)

Temperature Effects:	Max. 0,4% of span per 10 K change reference temperature 20 °C
Weather Protection	Dry: IP66 and NEMA 4X Liquid filled: IP66/67 and NEMA 4X Hermetically sealed case: IP66/67 and NEMA 4X
Overpressure:	130% of maximum full scale
Weight	100 mm: 0,9 kg (dry), 1,2 kg (liquid filled) 160 mm: 1,2 kg (dry), 2,0 kg (liquid filled)

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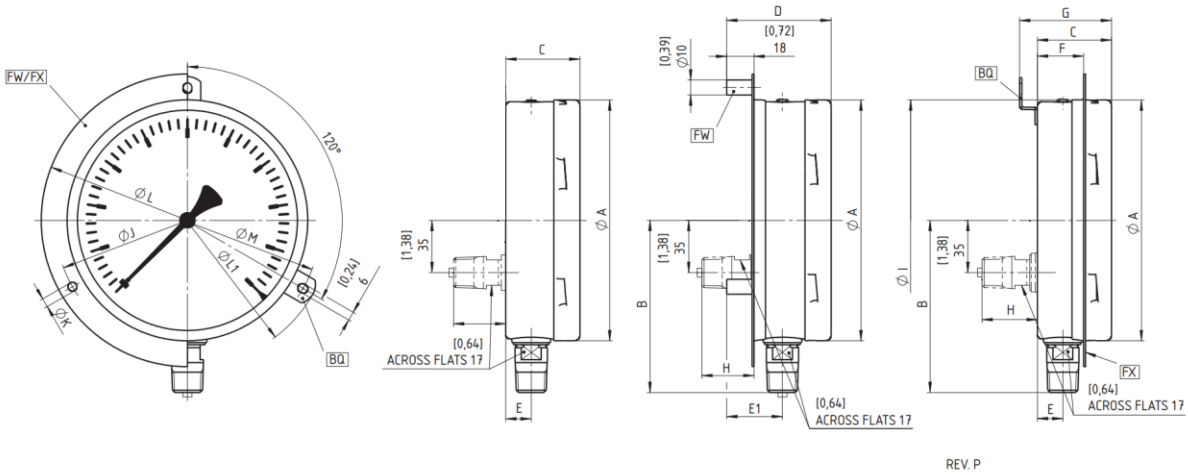
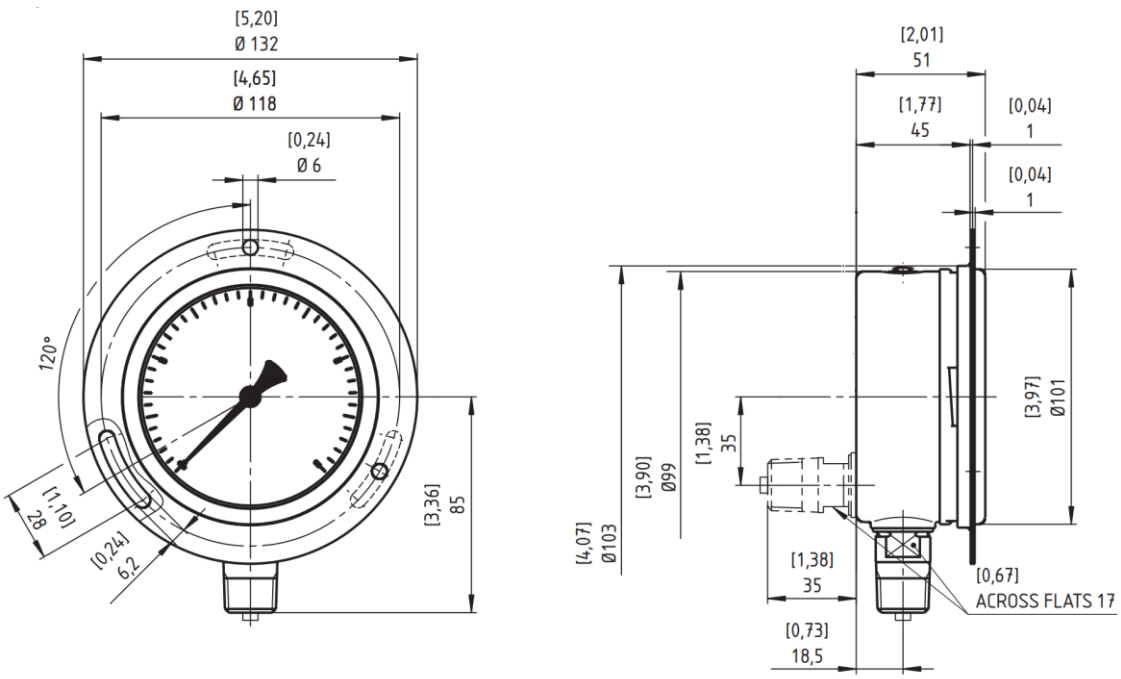
GENERAL DIMENSIONS (DIMENSION IN MM [INCH])

■ Mounting option BQ, FW, FX



Dial Size	A	B	C	D	E	E1	F	G	H	I	J	K	L	L1	M
100 mm	[3,97] 101	[3,36] 85	[2,01] 51	[2,72] 69	[0,73] 18,5	[1,44] 36,5	[1,26] 32	[2,48] 63	[1,38] 35	[4,00] 102	[4,65] 118	[0,24] 6	[5,20] 132	[5,28] 134	[4,69] 119
160 mm	[6,35] 161	[4,54] 115	[1,96] 50	[2,76] 70	[0,67] 17	[1,47] 37	[1,22] 31	[2,43] 62	[1,46] 37	[6,36] 162	[7,01] 178	[0,24] 6	[7,72] 196	[7,64] 194	[7,05] 179

■ Mounting option FF



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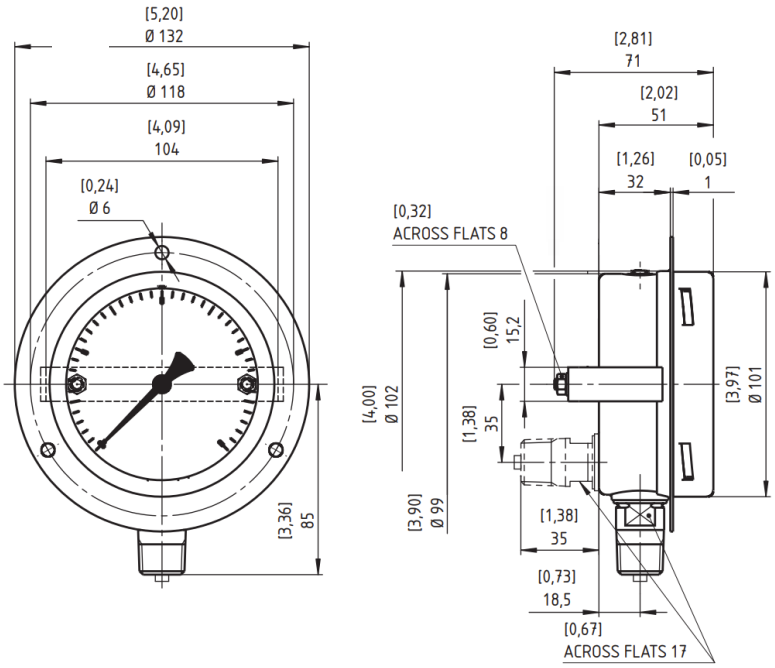
GENERAL DIMENSIONS (DIMENSION IN MM [INCH])

- Case option UF

100mm UF



160 mm UF

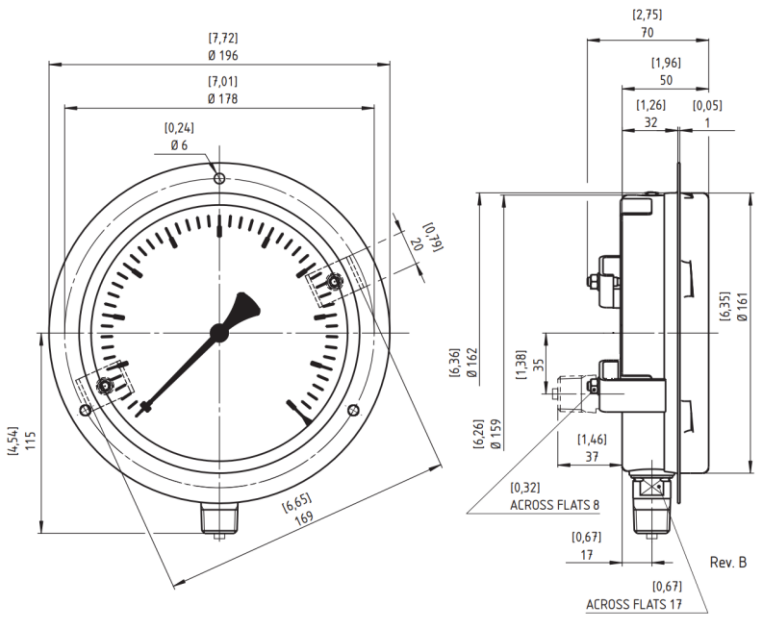


TABLE 1 - STANDARD RANGES

bar	kPa	MPa	kg/cm²	Psi
Pressure				
1	100	0.1	1	15
1.6	160	0.16	1.6	30
2.5	250	0.25	2.5	60
4	400	0.4	4	100
6	600	0.6	6	160
10	1000	1	10	200
16	1600	1.6	16	300
25	2500	2.5	25	400
40	4000	4	40	600
60	6000	6	60	800
100	10000	10	100	1000
160	16000	16	160	1500
250	25000	25	250	2000
400	40000	40	400	3000
600	60000	60	600	5000
				8000
Vacuum				
-1/0	-100/0	-0.1/0	-1/0	-30 in.Hg/0
Compound Ranges				
-1/0.6	-100/60	-0.1/0.06	-1/0.6	-30 in.Hg/0
-1/1.5	-100/150	-0.1/0.15	-1/1.5	-30 in.Hg/0
-1/3	-100/300	-0.1/0.3	-1/3	-30 in.Hg/0
-1/5	-100/500	-0.1/0.5	-1/5	-30 in.Hg/0
-1/9	-100/900	-0.1/0.9	-1/9	-30 in.Hg/0
-1/15	-100/1500	-0.1/1.5	-1/15	-30 in.Hg/0
-1/24	-100/2500	-0.1/2.4	-1/24	

Other ranges and engineering units available

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ORDERING CODE Example	100	T5400	S	D	15	L	16	BR	X

Dial Size

100	100 mm
160	160 mm

Model

T5400	Standard case stainless steel pressure gauge

Wetted Parts Material

S	Stainless steel 316L (1.4404) tube and socket

Case Filling

D	Dry case
L	Liquid filled case

Process Connection

02	1/4” NPT male
03	3/8” NPT male
04	1/2” NPT male
09	9/16 - 18 UNF - 2B Aminco
13	G 1/4 B male
14	G 3/8 B male
15	G 1/2 male
16	M20x1.5 male
25	1/4” NPT female
EJ	7/16 - 20 UNF - 3A 37° Flare
KJ	PF 1/4 B parallel pipe male (JIS B 0202)
KN	PF 1/2 B parallel pipe male (JIS B 0202)
KP	PF 3/8 B parallel pipe male (JIS B 0202)
KQ	R 1/2 DIN EN 10226 - 1 (1/2” BSPT / JIS B 0203)
KR	R 3/8” DIN EN 10226 - 1 (3/8” BSPT / JIS B 0203)
RF	9/16 - 18 UNF for 3/8” O.D. tubing

Connection Location

B	Back
L	Lower

Range

See table RANGES

Engineering Unit

BR	Engineering Unit other engineering units available, check range table

Additional options

See next pages

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ORDERING CODE Example	100	T5400	S	D	15	L	16	BR	X	YW

AN	Accuracy 1.0 %
3L	Connector material SS316L
BO	With back blow out disc
YW	Case and ring material stainless steel 316L
BQ	Wall mounting bracket
FF	Front flange on bayonet ring (Not for dial size 160 mm)
FW	Wall mounting flange
FX	Front flange tack welded to case
UF	U-clamp for panel mounting (Not for model T6500)
TU	Throttle plug
WP	No throttle plug in dry or liquid filled cases
P2E.GR	Outer set pointer(green&red)
P2E.GY	Outer set pointer(green&yellow)
P2E.YR	Outer set pointer(yellow&red)
P3	With two set hand stationary pointer&Safety glass
GR	Glycerine 99,5%
GV	Silicone
LJ	Field fillable
AB	Absolute pressure
CS	Combination range / Dual scale
6B	Cleaned for gaseous Oxygen
6W	Cleaned “free of oil and grease” (no Oxygen service)
MF	Free from Mercury contamination
DA	Dial marking printed on dial (Information is required by the customer)
NH	Stainless steel tagging wired (Information is required by the customer)
C3	Certificate according to EN 10204 3.1
CD5	Certificate according to NACE for Oilfields MR0175 / ISO 15156-2015 and for Refineries MR0103 / ISO 17945-2015
MQ	Positive material certificate (PMI)
C4	CD-4 calibration certificate
HY	Hydrostatic pressure test
ML	Mass spectrometer leak test

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