Duragauge® pressure gauge, solid front
Model 1279, 1377, 1379 and 2462

According ASME B40.100
Nominal size 4 ½, 6 and 8 ½ inch
Accuracy: Grade 2A (0,5 %)

Features

- Solid front case design, field convertible to hermetically sealed or liquid filled style
- Select from various socket and Bourdon tube materials
- Micrometer adjustable pointer
- 400 Series stainless steel movement wears better for longer life
- Teflon-coated pinion for longer life
- Patented Duratube™ with welded-tube construction controls stresses for longer life
- PLUS!™ Performance Option:
  - Liquid-filled performance in a dry gauge
  - Fights vibration and pulsations without liquid-filled headaches

Ranges

-1 ... 0 bar up to 0 ... 7000 bar
-30 in. Hg ... 0 psi up to 0 ... 100.000 psi

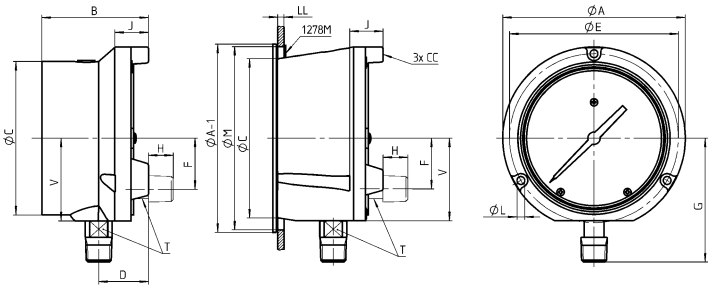
Applications

Chemical and petrochemical industry
Power plants, nuclear industry
Aerospace and cryogenics

Technical specification	1279	1379			1377			2462
Dial size in inch	4 ½	4 ½	6	8 ½	4 ½	6	8 ½	4 ½
Construction housing	Solid front safety pattern with blow out at the back							
ring	Threaded				Hinged			Bayonet
Measuring principle	Bourdon tube							
Range in bar	0,6 1 1,6 2,5 4 6 10 16 25 40 60 100 160 250 400 600 1000 1600							
	-1/0 -1/0,6 -1/1,5 -1/3 -1/5 -1/9 Receiver 0,2/1							
High pressure in bar (6 inch only)		2500 4000 6000 7000						
Overpressure limit	130 % F.S., short time							
Pressure type	Gauge, vacuum and compound							
Process connection	¼ NPT male, ½ NPT male according ANSI/ASME B1.20.1 9/16-18 UNF-2B Aminco, others on request							
Connection location	Lower, back							
Material								
Pressure connection	Brass, stainless steel 316L (1.4404) or Monel 400							
Tube	C510 Phosphor Bronze, stainless steel 316L (1.4404) or K Monel							
Case	Phenolic	Aluminum, black epoxy coated						Polypropylene
Back cover (dry)	Polypropylene	Polypropylene		Stainless steel	Stainless steel			Polypropylene
(liquid filled)	Polypropylene	Stainless steel		-	-			-
Ring	Polypropylene				Steel enamel coated			Polypropylene
Window	Instrument glass, optional laminated safety glass or acrylic glass (standard for high pressure)							
Dial	Aluminum, black markings on white background							
Pointer	Aluminum, black, micrometer adjustable, optional red set hand or maximum pointer							
Movement	Rotary, stainless steel 400 series, stainless steel Teflon coated pinion gear and segment							
Accuracy	Grade 2A (0,5 % F.S.)							
Permissible								
Ambient temperature	-29 ... 93 °C [1], liquid filled with glycerin -7 ... 66 °C, liquid filled with silicone or halocarbon -40 ... 66 °C							
Medium temperature	-29 ... 121 °C, liquid filled with glycerin -7 ... 93 °C, liquid filled with silicone or halocarbon -40 ... 93 °C							
Storage temperature	-40 ... 121 °C, liquid filled with glycerin -18 ... 66 °C, liquid filled with silicone or halocarbon -40 ... 66 °C							
	[1] Available for temperatures below –29 °C, see Product Information page ASH/PI-21B for details.							
Effect	Max. 0,3 % / 10 K							
Protection according EN 60 529/IEC 529	IP54 (dry) IP66 or NEMA 4 (filled)	IP54 (dry), IP65 (liquid filled), optional IP65 hermetically sealed for dry gauges						
Filling liquids	Glycerin, silicone, halocarbon, others on request			Filling not available				
	Optional dampened movement (*PLUS!* gauge), liquid less gauge, functions as liquid filled gauge							
Mounting	Stem, surface, optional flush				Stem, flush			Stem, flush, optional surface
Weight dry/filled in kg ≤ 1600 bar	1,6/2,0	1,1/1,5	1,4/2	2,4	1,25/-	1,4/-	2,5/-	1,1/-
≥ 2500 bar	-	-	2,6/3,2	-	-	-	-	-
Accessories, options	Diaphragm seals, valves, gauges with contacts, gauges with electric output, NACE							

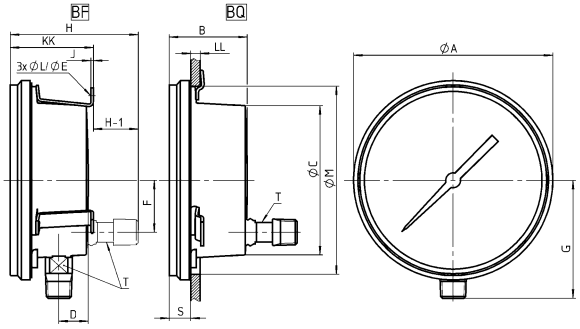
All specifications are subject to change without notice.

General dimensions in mm

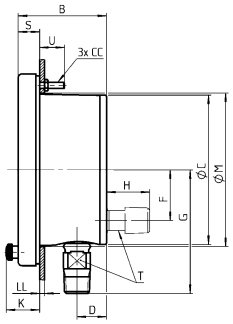


4 1/2" & 6" Type 1379

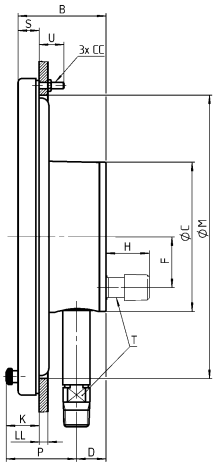
4 1/2" Type 1279



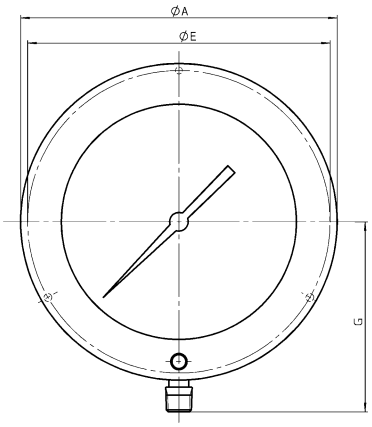
4 1/2" Type 2462



4 1/2" & 6" Type 1377



8 1/2" Type 1377 & 1379



Type	Ø inch	A	B	C	D	E	F	G	H	J	L	T	V
1279	4 1/2"	148	86	129	40	137	41	100	20	27	6	16	67

Type	Ø inch	A	B	C	D	E	F	G	H	J	K	L	M	P	S	T	V	CC	LL
1379	4 1/2"	148	86	124	40	137	41	100	20	27	-	6	-	-	-	16	67	-	-
	6"	192	87	162		178		122				7,5							
	8 1/2"	256	72	121	24	244		154	35	-	27	-	229	57	17		-	#10-24	3-13

1278M	Ø inch	A-1	M	CC	LL
1279	4 1/2"	152	148	#10-24	3-8
1379	4 1/2"				
	6"	197	189	1¼-20	

Type	Ø inch	A	B	C	D	E	F	G	H	J	K	M	P	S	T	U	CC	LL
1377	4 1/2"	155	72	121	24	137	41	100	35	27		124	-	17	16	20	#10-24	3-13
	6"	192				178		122				165					1/4-20	
	8 1/2"	256				244		154				229	57					

Type	Ø inch	A	B	C	D	E	F	G	H	H-1	J	KK	L	LL	M	S	T
2462	4 1/2"	161	63	121	24	137	42	100	104	36,5	2	67	6	2-13	152	17	16

Rev. I

Order information

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering units	Filling liquid	Options
(45) 4 ½ inch (115 mm) **(60)** 6 inch (150 mm) [1] **(85)** 8 ½ inch (215 mm) [1]	**1279** **1377** **1379** **2462**	**(A)** Brass socket, bronze tube [1] **(S)** 316L (1.4404) [2] **(P)** Monel 400 socket, K-Monel 500 tube [2] [4] **(WW)** 316 (1.4401) socket, inconel 718 tube [3]	**(S)** Solid front IP54 **(SH)** Hermetically sealed IP65, field fillable [1] [2] **(SL)** Liquid filled IP65 [1] [2]	**(04)** ½ NPT male [1] **(02)** ¼ NPT male [1] **(09)** 9/16-18 UNF-2B Aminco (standard for high pressure > 1000 bar) **(15)** G ½ B male [1] [2] **(16)** M20x1,5 male [1] [2]	**(L)** Lower **(B)** Back [1]	**-1/ 0** **-1/ 1,5** **-1/ 3** **-1/ 5** **-1/ 9** **0/ 0,6** **0/ 1** **0/ 1,6** **0/ 2,5** **0/ 4** **0/ 6** **0/ 10** **0/ 16** **0/ 25** **0/ 40** **0/ 60** **0/ 100** **0/ 160** **0/ 250** **0/ 400** **0/ 600** **0/ 1000** **0/ 1600** **0/ 2500** **0/ 4000** **0/ 6000** **0/ 7000**	**(BAR)** psi and others on request	**(=)** Standard no filling **(GV)** Silicone **(GV3)** Silicone 3 cst **(HA)** Halo-carbon **(GR)** Glycerin	**(NH)** Tagging wired **(TX)** Throttle screw stainless steel (not for process connection 09) **(6B)** Oxygen service **(PD)** Acrylic glass **(SG)** Safety glass **(EP)** Maximum pointer adjustable **(SH)** Red set hand stationary **(LL)** Liquid less gauge (*PLUS!* gauge) **(PR)** Receiver gauge **(56)** Flush mounting ring for 4 ½" and 6" type 1279 and 1379

1) not for type 1279 and 2462

1) max. 60 bar
2) max. 1600 bar
3) only for high pressure gauges type 60-1379
4) not for size 85

1) not for type 1377, 2462 and 8 ½" type 1379
2) IP66 /NEMA4 for 1279

1) max. 1000 bar
2) only for 316L

1) not for type 85-1379

Order example

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering unit	Filling liquid	Options
45	1279	S	SL	15	L	0/16	BAR	GR	NH

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