

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	4 ½											
Construction housing ring	Solid front safety pattern with blow out at the back				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		
High pressure in bar (6 inch only)	-1/0	-1/0,6	-1/1,5	-1/3	-1/5	-1/9	Receiver 0,2/1													
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																			
Connection location	9/16-18 UNF-2B Aminco, others on request																			
Material	Lower, back																			
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											
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																			
Effect	¹⁾ Available for temperatures below -29 °C, see Product Information page ASH/PI-21B for details. Max. 0,3 % / 10 K																			
Protection according EN 60 529/IEC 529	IP54 (dry), IP65 (liquid filled), optional IP65 hermetically sealed for dry gauges																			
Filling liquids	Glycerin, silicone, halocarbon, others on request				Filling not available															
Mounting	Stem, surface, optional flush				Stem, flush				Stem, flush, optional surface											
Weight dry/filled in kg	≤ 1600 bar		≥ 2500 bar		1,1/1,5		1,1/1,5		1,4/2		2		1,1/-		1,4/-		2/-		1,1/-	
Accessories, options	Diaphragm seals, valves, gauges with contacts, gauges with electric output, NACE																			

