ASHCROF

1377 Duragauge® Pressure Gauge

FEATURES

- Solid front safety case with pressure relief back
- Dial sizes 4½", 6" and 8½"
- ±0.5% of span (ASME B40.100 Grade 2A)
- Customizable dial printing options

TYPICAL USES

- Refineries
- Chemical and petrochemical plants
- Offshore oil rigs
- Water and wastewater pressure control
- Pulp and water
- Mining and metals
- Equipment skids
- Specialized OEM equipment



1377

41/2" dial size





SPECIFICATIONS

±0.5% of span (ASME B40.100 Grade 2A) Accuracy: 41/2", 6", 81/2"

Dial Sizes: **Process Connection:** 1/4 NPT, 1/2 NPT,

% -18 UNF-2B (high pressure connection)

Process Connection

Location:

Ranges: Vacuum, compound to 30,000 psi Case Style: Solid front with pressure relief back

Lower, back

Movement: Rotary, adjustable, 400 SS, Teflon™ coated

Glass (STD.), safety glass, acrylic, Window Material:

non-glare glass (OPT.)

Pointer: Micrometer, adjustable, aluminum, maximum Weather Protection: Dry case: Case not sealed, recommended for weather protected environment only

Mounting: Stem, surface, flush or remote

PLUS!™ Performance Dampening:

Case

Aluminum, black epoxy

Approvals:	CE, CRN										
WETTED COMPONENTS											
Bourdon Tube	Process Connection	Joints									
316L SS	316L SS	Welded									
316L SS	Steel	Welded									
K-Monel® 500 Tube	Monel® 400	Welded									
C510 Phos. Bronze	Brass	Silver brazed									
NON-WETTED COMPONENTS											

Ring

Steel, hinged, black enamel

KEY BENEFITS

- Ideal for panel mounting
- Available 8½" dial size for remote reading

MIN/MAX TEMPERATURE LIMITS											
Version	Ambient	Process	Storage								
Dry		-20 °F to 250 °F (-29 °C to 121 °C)	-40 °F to 250 °F (-40 °C to 121 °C)								

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Back Cover

300 SS

Data Sheet



1377 Duragauge® Pressure Gauge

Dial Size/Model Code 451377 - 4½′ aluminum case 851377 - 4½′ aluminum case 851377 - 4½′ aluminum case, max. 20,000 psi 9513877 - 8½′ aluminum case, max. 20,000 psi 95245 (tube, brass process connection) A - Bronze tube, brass process connection, max. pressure connection 1,000 psi P - K-Monel® 500 tube, Monel® 400 process connection, max. pressure 30,000 psi, NIA for 8½′ R - 316L SS tube, steel process connection, max. pressure 20,000 psi (NA 6′ or 8½′ size) S - 316 SS tube and 316L SS process connection, max. pressure 20,000 psi (NA 6′ or 8½′ size) S - Solid front case, dry Process Connection Sizes 02 - ½′ NPT Male, NIA for ranges over 20,000 psi 04 - ½′ NPT Male, NIA for ranges over 20,000 psi 09 - ½′ 18 UNF-28, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (if choosing an option(s) must include a "X") (See table 1 on page 3 for more options) X_ LL - PLUSI** Performance, silicone free (dry gauges) B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 66 - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15psi	ORDERING CODE	Example:	451377	S	S	04	L	XLL	15#
601377 - 6" aluminum case 851377 - 8½ aluminum case, max. 20,000 psi 851377 - 8½ aluminum case, max. 20,000 psi 851377 - 8½ aluminum case, max. 20,000 psi 954 - K. Monel® 500 tube, Monel® 400 process connection, max. pressure 30,000 psi, N/A for 8½ 8 - 316. SS tube, steel process connection, max. pressure 20,000 psi (74 6" or 8½ size) 9 - 316 SS tube, steel process connection, max. pressure 20,000 psi (74 6" or 8½ size) 9 - 316 SS tube and 316L SS process connection, max. pressure 20,000 psi S Case Design 9 - K. NPT Male, N/A for ranges over 20,000 psi 9 - ½ NPT Male, N/A for ranges over 20,000 psi 9 - ½ NPT Male, N/A for ranges over 20,000 psi 9 - ½ NPT Male, N/A for ranges over 20,000 psi 9 - ½ 18 UNF-28, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location 1 - Lower 1 - Lower 1 - Lower 1 - Side (3 o'clock) 1 - Top connection 9 - Side (3 o'clock) 1 - Top connection 9 - ½ NPT Male, N/A for an option(s) must include a "X") (See table 1 on page 3 for more options) 1 - PULS!" Performance 1 - PULS!" Performance, silicone free (dry gauges) 8 - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 9 - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 1 - Side Connection dempner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact 1 - Sange (coding examples only, see range table on page 4 for all standard ranges) 1 - Single Scales 1 - Single	Dial Size/Model Code								
851377 - 81½ aluminum case, max. 20,000 psi System (tube and process connection) A - Bronze tube, brass process connection, max. pressure connection 1,000 psi P - K-Monel® 500 tube, Monel® 400 process connection, max. pressure 30,000 psi, N/A for 81½ P - S16L SS tube, steel process connection, max. pressure 20,000 psi (n/a 6² or 81½ size) S - 316 SS tube and 316L SS process connection, max. pressure 20,000 psi (n/a 6² or 81½ size) S - 316 SS tube and 316L SS process connection, max. pressure 20,000 psi S Case Design S - Solid front case, dry Process Connection Sizes 02 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 09 - ½ 18 UNF-2B, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L - Side connection (9 o*clock) T - Top connection Options (if choosing an option(s) must include a "X") (See table 1 on page 3 for more options) X_ LL - PLUSI*** Performance LL - PLUSI**** Performance, silicone free (dry gauges) 68 - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 66 - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coling examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# 15 psi 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	451377 - 41/2" aluminum case		451377						
System (tube and process connection) A - Bronze tube, brass process connection, max. pressure connection 1,000 psi P - K-Mone® 500 tube, Mone® 400 process connection, max. pressure 30,000 psi, N/A for 8½ R - 316L SS tube, steel process connection, max. pressure 20,000 psi (n/a 6* or 8½* size) S - 316 SS tube and 316L SS process connection, max. pressure 20,000 psi S - Solid front case, dry Process Connection Sizes 02 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 05 - ½ 18 UNF-2B, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L - Lower L - B - Back D - Side (3 o'clock) T - Top connection Options (if choosing an option(s) must include a "X") (See table 1 on page 3 for more options) X PLUSI* Performance NT - PLUSI* Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 6G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi	601377 - 6" aluminum case								
A - Bronze tube, brass process connection, max. pressure connection 1,000 psi P - K-Monel® 500 tube, Monel® 400 process connection, max. pressure 30,000 psi, N/A for 8½° B - 316L SS tube, steel process connection, max. pressure 20,000 psi (N/a 6° or 8½° size) S - 316 SS tube and 316L SS process connection, max. pressure 20,000 psi S - Solid front case, dry Process Connection Sizes O2 - ½ NPT Male, N/A for ranges over 20,000 psi O4 - ½ NPT Male, N/A for ranges over 20,000 psi O4 - ½ NPT Male, N/A for ranges over 20,000 psi O4 - ½ NPT Male, N/A for ranges over 20,000 psi O5 - ¾ 18 UNF-2B, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L - Lower L - B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) X_ PLUS!" Performance NIT - PULS!" Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NIT - Stainless Steel tag wired to case SG - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi	851377 - 81/2" aluminum case, max. 20,000 psi								
P - K-Monel® 500 tube, Monel® 400 process connection, max. pressure 30,000 psi, N/A for 8½ R - 316L SS tube, steel process connection, max. pressure 20,000 psi (n/a 6² or 8½° size) S - 316 SS tube and 316L SS process connection, max. pressure 20,000 psi S Case Design S - Solid front case, dry Process Connection Sizes 02 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 09 - ½ 18 UNF-2B, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUS!" Performance LL NZ - PLUS!" Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1116 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi	System (tube and process connection)								
R - 316L SS tube, steel process connection, max. pressure 20,000 psi (n/a 6' or 8%' size) S - 316 SS tube and 316L SS process connection, max. pressure 20,000 psi S Case Design S - Solid front case, dry Process Connection Sizes 02 - ¼ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 05 - ¾ 18 UNF-2B, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L - Lower L - Stide connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) X_ LL - PLUS!" Performance LL NZ - PLUS!" Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi	A - Bronze tube, brass process connection, max.	pressure connection 1,000 p	si						
S - 316 SS tube and 316L SS process connection, max. pressure 20,000 psi S Case Design S - Solid front case, dry Process Connection Sizes 02 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 05 - ½ 18 UNF-2B, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUS!" Performance LL NZ - PLUS!" Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi	P - K-Monel® 500 tube, Monel® 400 process conr	nection, max. pressure 30,000) psi, N/A for 81/2"						
Case Design S - Solid front case, dry Process Connection Sizes 02 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 09 - ½% 18 UNF-28, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L - B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUS!" Performance LL NZ - PLUS!" Performance, silicone free (dry gauges) 68 - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 1 bar 1KG - 1 kg/sm² 100KP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	R - 316L SS tube, steel process connection, max	pressure 20,000 psi (n/a 6" c	or 8½" size)						
S - Solid front case, dry Process Connection Sizes 02 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 09 - ½ 18 UNF-2B, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUS!" Performance LL NZ - PLUS!" Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 1 bpsi 15# - 1 bpsi 15# - 1 bpsi 15# - 1 bar 1KG - 1 kg/sm² 100KP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	S - 316 SS tube and 316L SS process connection	n, max. pressure 20,000 psi		S					
Process Connection Sizes 02 - ¼ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 09 - ¾ 18 UNF-2B, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (if choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUS!" Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi	Case Design								
02 - ½ NPT Male, N/A for ranges over 20,000 psi 04 - ½ NPT Male, N/A for ranges over 20,000 psi 09 - ½ NPT Male, N/A for ranges over 20,000 psi 09 - ½ 18 UNF-2B, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (if choosing an option(s) must include a "X") (See table 1 on page 3 for more options) X_ LL - PLUS!™ Performance LL NZ - PLUS!™ Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# 18R - 1 bar 1KG - 1 kg/sm² 1MOKP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	S - Solid front case, dry								
04 - ½ NPT Male, N/A for ranges over 20,000 psi 09 - ½ 18 UNF-2B, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (if choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUS!™ Performance LL NZ - PLUS!™ Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# 15# 1BR - 1 bar 1KG - 1 kg/sm² 100KP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	Process Connection Sizes								
99 - %s 18 UNF-2B, high pressure fitting, standard for pressures over 20,000 psi Process Connection Location L - Lower L B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUSI*** Performance LL NZ - PLUSI**** Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# UNKP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	02 - 1/4 NPT Male, N/A for ranges over 20,000 psi								
Process Connection Location L - Lower L B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUSI*** Performance LL NZ - PLUSI*** Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# 15# 15# 15# 15# 15# 15# 15# 15# 15#	04 - 1/2 NPT Male, N/A for ranges over 20,000 psi					04			
L - Lower L B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUSI" Performance L L NZ - PLUSI" Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi	09 - % 18 UNF-2B, high pressure fitting, standard	d for pressures over 20,000 p	si						
B - Back D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUS!™ Performance LL NZ - PLUS!™ Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# 15R - 1 bar 1KG - 1 kg/sm² 100KP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	Process Connection Location								
D - Side (3 o'clock) E - Side connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUS!™ Performance LL NZ - PLUS!™ Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# Colored To Scales 15# - 15 psi 15# ONCP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	L - Lower						L		
E - Side connection (9 o'clock) T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) X_ LL - PLUS!™ Performance LL NZ - PLUS!™ Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# 1KG - 1 kg/sm² 100KP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	B - Back								
T - Top connection Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) X_ LL - PLUS!™ Performance LL NZ - PLUS!™ Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# 15# 15# 15# Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	D - Side (3 o'clock)								
Options (If choosing an option(s) must include a "X") (See table 1 on page 3 for more options) LL - PLUS!™ Performance NZ - PLUS!™ Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# 1KG - 1 kg/sm² 100KP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	E - Side connection (9 o'clock)								
LL - PLUS!™ Performance NZ - PLUS!™ Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# 1KG - 1 kg/sm² 100KP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	T - Top connection								
NZ - PLUS!™ Performance, silicone free (dry gauges) 6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi	Options (If choosing an option(s) must include	a "X") (See table 1 on page	3 for more option	ns)				X	
6B - Cleaned for gaseous, oxygen service NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi 15# ONKP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	LL - PLUS! ™ Performance							LL	
NH - Stainless Steel tag wired to case 5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi	NZ - PLUS! ™ Performance, silicone free (dry gaug	ges)							
5G - Attach one accessory to gauge. Applicable to PL02 pressure limiting valve, V01,V02 valves, 1098, 1100, 1198, 2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi	6B - Cleaned for gaseous, oxygen service								
2198 siphons, 7001, 7004 needle valves, 1115 capillary, 1106 pulsation dampner, 1112, PD02 pressure snubbers, MDV swivel adapter, 2265 electric warning contact Range (coding examples only, see range table on page 4 for all standard ranges) Single Scales 15# - 15 psi	NH - Stainless Steel tag wired to case								
Single Scales 15# - 15 psi 15# 1BR - 1 bar 1KG - 1 kg/sm² 100KP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale 15#/BR - 15 psi inner scale, 1 bar outer scale	2198 siphons, 7001, 7004 needle valves, 11	15 capillary, 1106 pulsation d					MDV		
15# - 15 psi	Range (coding examples only, see range table	on page 4 for all standard	ranges)						
1BR - 1 bar 1KG - 1 kg/sm² 100KP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	Single Scales								
1KG - 1 kg/sm² 100KP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	15# - 15 psi								15#
100KP - 100 kPa Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	1BR - 1 bar								
Dual Scales 15#/BR - 15 psi inner scale, 1 bar outer scale	1KG - 1 kg/sm ²								
15#/BR - 15 psi inner scale, 1 bar outer scale	100KP - 100 kPa								
	Dual Scales								
1BR/# - 1 bar inner scale, 15 psi outer scale	15#/BR - 15 psi inner scale, 1 bar outer scale								
	1BR/# - 1 bar inner scale, 15 psi outer scale								

When selecting a diaphragm seal or isolation ring, refer to the Min/Max Guide for compatibility with this gauge or scan the QR code to the right.



Data Sheet



1377 Duragauge® Pressure Gauge

TABLE 1 (Ordering Codes Continued)

IADEL I	(Ordering Codes Continued)
CODE	OPTION
AB	Gauges calibrated to compensate for absolute pressure
DA	Dial marking (text marking on the dial)
EP	Maximum pointer (adjustable, N/A with liquid filled or hermetically sealed cases)
HY	Hydrostatic/pneumatic testing (system pressurized to 150% of rated system pressure for 5 minutes. Overload stop STD.)
NG	Non-glare glass (N/A with liquid fill or hermetically sealed cases)
os	Overload stop
PD	Acrylic window (STD. with liquid filled or hermetically sealed cases)
SH	Red set hand, stationary
SG	Safety glass
TS	Throttle screw (STD. with liquid filled, hermetically sealed or <i>PLUS!</i> ™ Performance)
VS	Underload stop
C4	<u>Traceable calibration certificate</u>
D3	DuraVis [™] retroreflective dial (4½″ case only)

Data Sheet



1377 Duragauge® Pressure Gauge

STA	NDARD PRE	ESSURE RAN	GES				
Ε	psi	bar	kPa	mPa	kg/cm²		
Vacuum	30IMV	N1BR	N100KP	N1MP	N1KG		
Va	-	N1/0.6BR	N100/60KP	0.1/0.06MP	N1/0.6KG		
	V/15#	-	-	-	-		
	-	N1/1.5BR	N100/150KP	N.1/0.15MP	N1/1.5KG		
힏	V/30#	_	_	_	_		
Compound	_	N1/3BR	N100/300KP	N.1/0.3MP	N1/3KG		
E O	V/60#	_	_	_	_		
ပ	-	N1/5BR	N100/500KP	N.1/.5MP	N1/5KG		
	V/100#	-	-	-	-		
	-	N1/9BR	N100/900KP	N.1/.9MP	N1/9KG		
	15#	1BR	100KP	0.1MP	1KG		
	20#	-	-	-	-		
	-	1.6BR	160KP	0.16MP	1.6KG		
	30#	-	-	-	-		
	-	2.5BR	250KP	0.25MP	2.5KG		
	60#	4BR	400KP	0.4MP	4KG		
	_	6BR	600KP	0.6MP	6KG		
	100#	-	-	-	-		
	120#	-	-	-	-		
	-	10BR	1000KP	1MP	10KG		
	160#	_	_	-	_		
	200#	- 1000	- 1000KD	- 1 CMD	-		
	-	16BR	1600KP	1.6MP	16KG		
	300#	- 25BR	2500KP	- 0.FMD	– 25KG		
6 3	- 400#			2.5MP			
sure	500#	-	-	_	_		
res	600#	40BR	4000KP	4MP	40KG		
e P	800#	40011	4000KF	41111	4010		
Positive Pressure	-	60BR	6000KP	6MP	60KG		
Pos	1000#	- -		OIVII-	- -		
	1500#	100BR	10000KP	10MP	100KG		
	2000#	-	-	-	-		
	_	160BR	16000KP	16MP	160KG		
	3000#	-	-	_	-		
	-	250BR	25000KP	25MP	250KG		
	4000#	_	_	_	_		
	5000#	_	_	_	_		
	6000#	400BR	40000KP	40MP	400KG		
	8000#	_	_	-	_		
	_	600BR	60000KP	60MP	600KG		
	10000#	-	-	-	-		
	15000#	1000BR	100000KP	100MP	1000KG		
	20000#	-	-	-	-		
	-	1600BR	-	160MP	1600KG		
	30000#	-	-	-	-		

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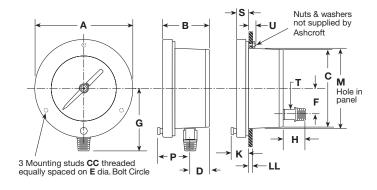
1377 Duragauge® Pressure Gauge

DIMENSIONS in [] are millimeters

Drawings are for reference only, consult Ashcroft for specific dimensional drawings.

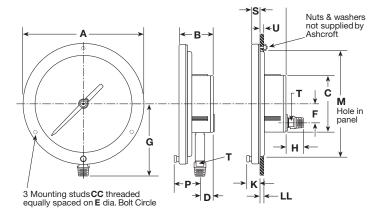
1377 41/2" and 6" lower connection

1377 41/2" and 6" back connection



1377 81/2" lower connection

1377 81/2" back connection



Dial Size Inches	Α	В	С	D	E	F	G	н	К	М	Р	s	т	U	СС	ш	Weight (lbs)
41/2	6 [152]	21/8 [73]	4¾ [121]	1½ [27]	5¾ [137]	15% [41]	3 ¹⁵ / ₁₆ [100]	1¾ [35]	1½ [27]	47/8 [124]	21/8 [54]	5⁄8 [16]	5⁄8 [16]	³ ⁄ ₄ [19]	#10-24	½-½ [3][13]	2.5
6	7% ₆ [192]	2% [73]	4¾ [121]	1½ [27]	7 [178]	1% [41]	4½ [114]	1% [35]	1½ [27]	6½ [165]	21/8 [54]	5⁄8 [16]	5% [16]	³⁄₄ [19]	1/4-20	½-½ [3][13]	2.5
81/2	10½ [257]	21/8 [73]	4¾ [121]	1½ [27]	95/8 [244]	1% [41]	6 [152]	1% [35]	1½ [27]	9 [229]	21/8 [54]	5⁄8 [16]	5⁄8 [16]	³ ⁄ ₄ [19]	1/4-20	½-½ [3][13]	4.5