

Data Sheet

1038 Duplex Pressure Gauge

FEATURES

- Single gauge measures two related pressures
- Ranges to 1,000 psi including compound

TYPICAL USES

- Filters
- Pumps and valves
- Rail braking systems
- Specialized OEM equipment



1038
4½" dial size

SPECIFICATIONS

Accuracy: ±2-1-2% of span (ASME B40.100 Grade A)

Size: 4½"

Ranges: Compound, 30 to 1,000 psi

Process Connection Location: Lower or back

Process Connection Size: ¼ NPT

Case Style: Open front

Movement: Bronze

Window Material: Glass

Dial: Brushed aluminum with black markings

Case Material: Aluminum

Pointer: Non-adjustable black & red

Case Style: Open front

Weather Protection: Dry case, case not sealed, recommended for weather protected environment only.

Mounting: Stem, surface or flush

WETTED COMPONENTS

Bourdon Tube	Process Connection Material	Joints
Grade A Phosphor Bronze	Brass	Soldered (100 psi), silver braised (above 100 psi)

NON-WETTED COMPONENTS

Case	Ring
Aluminum black epoxy coated	Aluminum, threaded, black epoxy coated

KEY BENEFITS

- Convenient readability of two related pressures on a single gauge
- High reliability and performance
- Ideal product for satisfying critical installation requirements
- One year warranty

MIN/MAX TEMPERATURE LIMITS

Version	Ambient	Process	Storage
Dry	-20 °F to 200 °F (-29 °C to 93 °C)	-20 °F to 250 °F (-29 °C to 121 °C)	-40 °F to 250 °F (-40 °C to 121 °C)

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ORDERING CODE	Example:	45	1038	A	02	L	100#
Dial Size							
45 - 4½" dial		45					
Model							
1038 - Duplex, black aluminum, open front			1038				
System							
A - Phosphor bronze tube/brass process connection				A			
Process Connection Size							
02 - ¼ NPT					02		
Process Connection Location							
L - Lower						L	
B - Lower back							
Range (See range table on page 2 for all standard ranges)							
Single Scales							
100# - 100 psi							100#

STANDARD RANGES CODE - SINGLE SCALE			
	psi	bar	kPa
Compound	30IMV&15#		
			N1/1.5BR N100/150KP
	30IMV&30#		
			N1/3BR N100/300KP
	30IMV&60#		
			N1/5BR N100/500KP
	30IMV&100#		
		N1/9BR N100/900KP	
			N1/15BR N100/1500KP
			N1/24BR N100/2400KP
Positive Pressure	30#	-	-
	-	2.5BR	250KP
	60#	4BR	400KP
	-	6BR	600KP
	100#	-	-
	-	10BR	1000KP
	160#	-	-
	200#	-	-
	-	16BR	1600KP
	300#	-	-
	-	25BR	2500KP
	400#	-	-
	600#	40BR	4000KP
800#	-	-	
-	60BR	6000KP	
1000#	-	-	

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DIMENSIONS in [] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

Gauge Size (inches)	A	B	C	D	E	F	G	H	J	L	S	T	V	Weight (lbs)
4½	5 ¹³ / ₁₆ [148]	2¼ [57]	5 ⁷ / ₈ [149]	27/32 [22]	2 ¹¹ / ₁₆ [68]	1 ¹ / ₁₆ [27]	3 ²⁵ / ₃₂ [96]	1 ¹⁷ / ₃₂ [39]	¾ [10]	7/32 [6]	7/16 [11]	1 ⁹ / ₁₆ [40]	1½ [38]	2.4 1.0 kg

