

Type 1038 Duplex Gauge



FEATURES

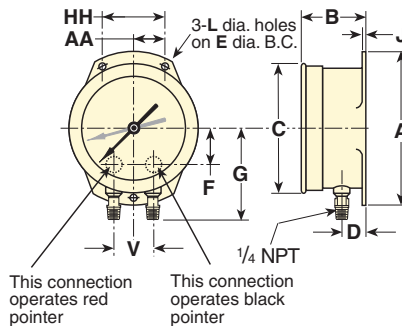
- Available in 3 1/2" and 4 1/2" dial sizes
- Bronze Bourdon tube and brass sockets
- Two independent systems and movements
- Non-adjustable red and black pointers

The Ashcroft® Type 1038 duplex gauge is used to display two separate input pressures on the same gauge for comparison purposes.

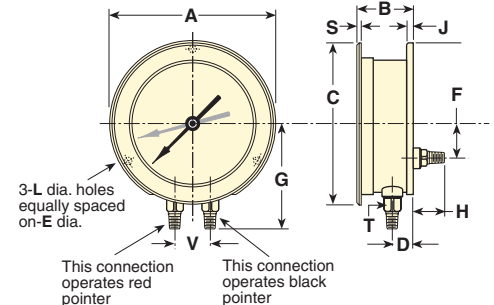
PRODUCT SPECIFICATIONS

- Model Number:** 1038
Accuracy: 2%-1%-2% ASME Grade A
Case Style: Open Front (dry only)
Case Material: Cast Iron 3 1/2", Aluminum 4 1/2"
 Black Epoxy Coated
Dial Size: 3 1/2" (35), 4 1/2" (45)
Dial Material & Color: Brushed Aluminum with Black Markings
Ring Type: Aluminum, Threaded, Black Epoxy Coated
Bourdon Tube Material: Grade A Phosphor Bronze (A)
Socket Material: Brass
Connection Size: 1/4 (02) NPT
Connection Location: Lower (L) (3 1/2" only) or Back (B)
Range Limits: 30-1000 psi
Mounting: Stem, Surface
Movement: Bronze
Pointer: Non-Adjustable Black & Red
Window: Glass
Warranty: 1 Year

DIMENSIONS



Type 1038 – 3 1/2" Gauge



Type 1038 – 4 1/2" Gauge

Dial Size Inches	A	B	C	D	E	F	G	H	I	J	L	V	AA	HH	Wght (lbs)
3 1/2	4 3/4 (121)	1 15/16 (49)	3 15/16 (100)	2 3/32 (18)	4 1/4 (108)	—	2 25/62 (71)	—	—	1/8 (3)	9/62 (7)	1 3/16 (30)	1 (25)	2 (51)	1.5 .7 kg
4 1/2	5 13/16 (148)	2 1/4 (57)	5 7/8 (149)	2 7/32 (22)	5 3/8 (137)	1 1/16 (27)	3 25/62 (96)	1 17/32 (39)	1 9/62 (15)	3/8 (10)	7/62 (6)	1 1/2 (38)	—	—	2.4 1.0 kg

HOW TO ORDER:

- 45 1038 A 02L 0/1000#
1. Dial size—3 1/2" & 4 1/2" _____
 2. Case type—1038 _____
 3. Tube and socket material _____
 4. Connection size—1/4 (02) _____
 5. Connection location—Lower (L), Back (B) _____
 6. Standard pressure range—1000 psi _____

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CASE TYPE								
Gauge Type Number	Dial Size (inches)	Case & Ring Material Finish	Bourdon Tube & Tip Material	Socket Material	Pressure Range (psi)	Pointer	Movement	NPT Connection
DUPLEX 1038A	3½, 4½	Case: 3½", 4½" aluminum Ring: Threaded aluminum All black epoxy coated	Phosphor Bronze Tip: Brass (all joints silver brazed, soldered below 100 psi)	Brass	30/1000	Non Adjustable Black and Red	Bronze-bushed	¼

STANDARD METRIC RANGES									
TYPE	RANGE		DIAL GRADUATIONS		RANGE	DIAL GRADUATIONS		Outer Scale When Dual Range Specified/psi	
	kg/cm ²	Bar	Figure Interval	Minor Graduation	kPa (kilopascal)	Figure Interval	Minor Graduation		
1038A	Pressure								
	0/2.5	0/2.5	0.5	0.05	0/250	50	5	0/35	
	0/4	0/4	0.5	0.05	0/400	50	5	0/55	
	0/6	0/6	0.5	0.05	0/400	50	5	0/85	
	0/10	0/10	1	0.1	0/1000	100	10	0/140	
	0/16	0/16	2	0.2	0/1600	200	20	0/220	
	0/25	0/25	5	0.5	0/2500	500	50	0/350	
	0/40	0/40	5	0.5	0/4000	500	50	0/550	
	0/60	0/60	5	1	0/6000	500	100	0/850	
	Compound								
	-1/1.5	-1/0/1.5	0.5	0.05	-100/150	50	5	30"Hg/20	
	-1/3	-1/0/3	0.5	0.05	-100/300	50	5	30"Hg/40	
	-1/5	-1/0/5	0.5	0.1	-100/500	50	10	30"Hg/70	
	-1/9	-1/0/9	1	0.1	-100/900	100	10	30"Hg/125	
-1/15	-1/0/15	1	0.1	-100/1500	200	20	30"Hg/215		
-1/24	-1/0/24	2	0.2	-100/2400	500	20	30"Hg/340		

STANDARD RANGES				
psi	Figure Interval		Minor Grad.	
Pressure				
0/30	5		0.5	
0/60	5		1	
0/100	10		1	
0/160	20		2	
0/200	20		2	
0/300	30		5	
0/600	50		10	
0/800	100		10	
0/1000	100		10	
Range	Figure Interval		Minor Grad.	
	Inches Mercury	psi	Inches Mercury	psi
Compound				
30 in.Hg/15 psi	5	3	1	0.5
30 in.Hg/30 psi	10	5	1	0.5
30 in.Hg/60 psi	10	10	1	1
30 in.Hg/100 psi	10	10	1	1
30 in.Hg/150 psi	10	20	2	2
30 in.Hg/300 psi	30	25	5	5