

**Duplex Gauges
Type 1038, 1339
ASME B 40.1
Grade A ($\pm 2-1-2\%$ of span)**

- $3\frac{1}{2}$ " and $4\frac{1}{2}$ " dial sizes
- **Bronze Bourdon tube and brass sockets**
- **Two independant systems and movements**
- **Nonadjustable 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.



| STANDARD RANGES | | |
|-----------------|-----------------|------------------|
| Type 1038/1339 | | |
| Pressure (psi) | | |
| Range | Figure Interval | Minor Graduation |
| 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 |

| CASE TYPE | | | | | | | | |
|-------------------|--------------------|---|---|-----------------|----------------------|------------------------------|---------------|--------------------|
| Gauge Type Number | Dial Size (inches) | Case & Ring Material Finish | Bourdon Tube & Tip Material | Socket Material | Pressure Range (psi) | Pointer | Movement | NPT Conn. |
| 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" |
| DUPLEX 1339A | 4½ | Case: Aluminum Ring: Hinged 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" Back Conn. only |

| Type 1038/1339 Compound | | | | |
|-------------------------|-----------------|-----|------------------|-----|
| Range | Figure Interval | | Minor Graduation | |
| | Inches Mercury | psi | Inches Mercury | psi |
| 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 |

| CASE TYPE | | | | | | | | |
|-----------------|----------|------------------|------------------|------------------|-----------------|------------------|-----------|---|
| RANGE | | DIAL GRADUATIONS | | RANGE | | DIAL GRADUATIONS | | Outer Range When Dual Range Specified psi |
| kg/cm² | bar | Figure Interval | Minor Graduation | kPa (kilopascal) | Figure Interval | Minor Graduation | | |
| 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 | |

TO ORDER THIS 1038, 1339 DUPLEX GAUGES:

Select: 45 1038 A 02L XXX 1000#

- Dial size— $3\frac{1}{2}$ " and $4\frac{1}{2}$ " _____
- Case type—1038, 1339 _____
- Tube and socket material _____
- Connection size—¼ (02) _____
- Connection location—Lower (L), Back (B) _____
- Optional features—see page 249 _____
- Standard pressure range—1000 psi _____