

## Type 40DDG, 50DDG Direct Drive Gauge



### FEATURES

- *Direct drive technology provides excellent shock resistance, no gears to jam*
- *ASME B40.100 Grade B accuracy ( $\pm 3-2-3\%$ ) in a commercial grade direct drive gauge*
- *No loose pointers*
- *Lightweight*
- *Smoother pointer rotation*
- *Cost effective*

Ashcroft® direct drive gauge technology provides excellent shock resistance. Testing has shown these gauges to be **four times** more shock resistant than conventional fixed movement gauges! Direct drive gauges have no gears to jam or wear out. The net result is a gauge that arrives at your facility to specified calibration parameters and stays that way throughout the service life of the gauge.

Ashcroft® direct drive gauges are lightweight, attractive, and durable, plus the sealed case construction makes this product appropriate for many harsh environmental conditions. This winning combination of features is only available in Ashcroft® direct drive gauges.

Ashcroft® direct drive gauges are available in a 40mm and 50mm ABS/polycarbonate blend case with integral socket. The molded case and socket design helps address cross threading problems which can occur when mating a brass socket into a plastic housing.

### COMMONLY USED ON

*Filter regulator lubricators, portable compressors, medical/dental equipment, industrial machinery, paint spray equipment, air tanks, a variety of other applications*

### PRODUCT SPECIFICATIONS

<b>ASHCROFT® Model No.:</b>	40DDG/50DDG
<b>Dial Size:</b>	40mm (1½") or 50mm (2") diameter
<b>Case:</b>	ABS/polycarbonate blend, black
<b>Lens:</b>	Polycarbonate, ultrasonically welded to case
<b>Dial:</b>	Plastic, black figures on white background
<b>Pointer:</b>	Brass, painted black
<b>Bourdon Tube:</b>	Beryllium copper coil, silicone dampened
<b>Bourdon Tube/Case Seal:</b>	Buna-N O-ring
<b>Movement:</b>	None (direct drive)
<b>Socket:</b>	Integral ABS polycarbonate blend
<b>Connections:</b>	40 DDG—½ NPT back 50 DDG—½ NPT or ¼ NPT back
<b>Ranges:</b>	0/60 (180° arc), 0/100, 0/160, 0/200, 0/300 and 0/400 psi (235° arc) For optimum gauge life, select a gauge with a full scale pressure range of approximately twice the maximum excursion pressure.
<b>Repeatability:</b>	Within 1%
<b>Pressure Relief:</b>	Mylar tape dot
<b>Accuracy:</b>	ASME B40.100 Grade B ( $\pm 3/2/3\%$ )
<b>Overpressure:</b>	110% of range
<b>Operating pressure:</b>	-40°F to 150°F; -40°C to 65°C

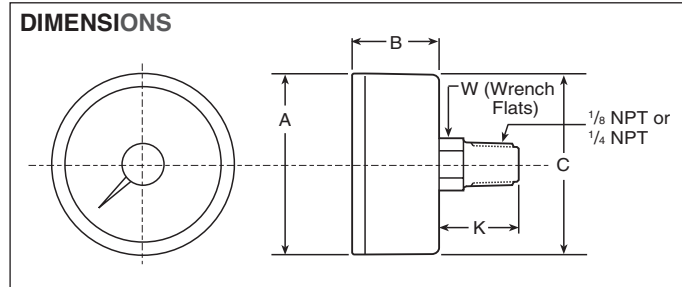
### OPTIONAL FEATURES

- Custom dials
  - Throttle plugs
  - Red or white pointers
  - Bulk pack
  - Special accuracy, on application
- Consult factory for high cycle life applications.*

### HOW TO ORDER (Typical example)

	<b>40</b>	<b>DDG</b>	<b>01B</b>	<b>P</b>	<b>(X)T5</b>	<b>100#</b>
<b>Dial Size:</b> 40mm	_____	_____	_____	_____	_____	_____
<b>Case Type:</b> Direct Drive Gauge	_____	_____	_____	_____	_____	_____
<b>Connection Size/Location:</b> ½ NPT Back	_____	_____	_____	_____	_____	_____
<b>Connection Material:</b> P=ABS	_____	_____	_____	_____	_____	_____
<b>Options:</b> Throttle Plug (.013" orifice)	_____	_____	_____	_____	_____	_____
<b>Range:</b> 0/100 psi	_____	_____	_____	_____	_____	_____

## Type 40DDG, 50DDG Direct Drive Gauge



Dial Size	A	B	C	K		W	
				1/8 NPT	1/4 NPT	1/8 NPT	1/4 NPT
1 1/2" (40mm)	1.63 (42)	.71 (18)	1.63 (42)	.65 (17)	—	.44 (11)	—
2" (50mm)	2.15 (54)	.71 (18)	2.15 (54)	.65 (17)	.90 (23)	.44 (11)	.56 (14)