Data Sheet

12DDG/15DDG Direct Drive Gauges



FEATURES

- Sealed case prevents dust, water, and corrosion
- Spiral tube transmits motion directly to the pointer
- Direct Dive technology for excellent shock resistance
- Silicone-dampened coil (option) resists vibration effects
- UL 404 listed for compressed gas including oxygen

TYPICAL USES

- Air inflators / compressors
- Specialized OEM equipment
- Industrial and specialty gases
- Portable oxygen equipment
- Breathing apparatus



15DDG 1½″ dial size **12DDG** 1¼" dial size

KEY BENEFITS

- High impact-resistant polycarbonate window
- Reliability under rugged operating conditions
- Easy installations
- No gears or bearing to wear out
- Customizable dials

MIN/MAX TEMPERATURE LIMITS									
Version	Ambient	Process	Storage						
12DDG	-40°F to 150°F	-40°F to 150°F	-40°F to 150°F						
	(-40°C to 65°C)	(-40°C to 65°C)	(-40°C to 65°C)						
15DDG	-40°F to 150°F	-40°F to 150°F	-40°F to 150°F						
	(-40°C to 65°C)	(-40°C to 65°C)	(-40°C to 65°C)						

SPECIFICATIONS Accuracy: ±

Accuracy:	(normally setpoints	±2% of span at setpoint (normally 50% of span) consult factory for other setpoints						
		UL Listed $\pm 3.5\%$ of span in middle $\frac{3}{5}$ of scale						
Sizes:		12DDG: 1¼″ 15DDG: 1½″						
Repeatability:	Better th	Better than 1%						
Range:	60 - 4,00	60 - 4,000 psi						
Process Connection Location:	Back	Back						
Process Connection Size:	1/8 NPT N	1/8 NPT Male, 1/4 NPT Male						
Dial:	Black fig	Black figures on white background						
Pointer:	Brass, pa	Brass, painted black						
Dampening options	: Silicone	Silicone dampened tube						
Approvals:		404, High Pressure Gas i00 psi - 4,000 psi)						
WETTED COM	PONENTS							
Coil	Process Con	cess Connection Restrict						
Beryllium copper	Brass	3	Safety plug 1,500 - 4,000 psi ranges					
NON-WETTED	COMPONE	INTS						
Case		Window						
Stainless steel	(sealed)	Polycarbonate						

All specifications are subject to change without notice. All sales subject to standard terms and conditions. ©2019 Ashcroft Inc. 12-15ddg_gauge_ds_RevD_Ltr_05-19 ashcroft.com info@ashcroft.com 1.800.328.8258 1 of 3

Data Sheet





ORDERING CODE	Example:	12DDG	01	В	3000	S1500	XUL
Model/Dial Size							
12DDG -11¼", Stainless steel case, brass process cor	nnection material	12DDG					
15DDG -11/2", Stainless steel case, brass process cor	nnection materialt						
Process Connection Size							
01 - ¹ / ₈ NPT Male			01	_			
02 - 1/4 NPT Male				_			
KG - 1/8 BSPT, R 1/8				_			
84 - PT 1/8				_			
Process Connection Location				_			
B - Back				В			
Range (coding example see range table on page 2	2 for all standard ranges)				-		
Single Scales						-	
3000 - 3,000 psi					3000		
Setpoint							
S1500 - 1,500 psi						S1500	
Options (If choosing an option(s) must include an	"X")						X
UL - UL 404 Listed 1,500 psi, 2,000 psi, 3,000 psi, 4,	000 psi, including oxygen						UL
T5 - Orifice restrictor 0.013"							
T7 - Orifice restrictor 0.020"							
T9 - Orifice restrictor 0.063"							
SF - Silicone dampened tube for vibration							
TC - Teflon® tape on socket							
ZO - Bulk pack							
RS - RoHS (EN directives 2011/65/EN and 2015/863)						

RANGE TABLE

RANGE	RANGE CODE
0-60 psi	60S30
0-100 psi	100\$50
0-160 psi	160S80
0-200 psi	200S100
0-300 psi	300S150
0-700 psi	700S350
0-1,200 psi	1200S600
0-1,500 psi	1500S750
0-2,000 psi	2000S1000
0-3,000 psi	3000S1500
0-4,000 psi	4000S2000

ashcroft.com info@ashcroft.com 1.800.328.8258

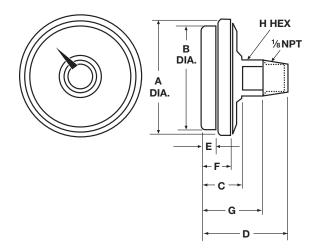


12DDG/15DDG Direct Drive Gauges

DIMENSIONS in [] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

	Back Connection											
Model No. Inches	A	В	C	D 1⁄4 NPT		E	F	G	 1⁄4 NPT	 1⁄8 NPT	J	Weight oz / kg
12DDG	1.45	1.25	0.50	1.25	1.06	0.20	0.40	0.71	⁹ ⁄18	⁷ ⁄ ₁₈	0.43	0.705 oz
	[27]	[32]	[13]	[32]	[27]	[5]	[10]	[18]	[14]	[11]	[11]	0.020 kg
15DDG	1.68	1.48	0.50	1.25	1.06	0.20	0.40	0.71	⁹ ⁄18	⁷ ⁄ ₁₈	0.43	0.776 oz
	[43]	[37	[13]	[32]	[27]	[5]	[10]	[18]	[14]	[11]	[11]	0.022 kg



All specifications are subject to change without notice. All sales subject to standard terms and conditions. ©2019 Ashcroft Inc. 12-15ddg_gauge_ds_RevD_Ltr_05-19 ashcroft.com info@ashcroft.com 1.800.328.8258