

Data Sheet

12DDG/15DDG Direct Drive Gauges

FEATURES

- Sealed case prevents dust, water, and corrosion
- Spiral tube transmits motion directly to the pointer
- Direct Drive 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



SPECIFICATIONS

Accuracy:	±2% of span at setpoint (normally 50% of span) consult factory for other setpoints UL Listed ±3.5% of span in middle ⅓ of scale
Sizes:	12DDG: 1¼" 15DDG: 1½"
Repeatability:	Better than 1%
Range:	60 - 4,000 psi
Process Connection Location:	Back
Process Connection Size:	½ NPT Male, ¼ NPT Male
Dial:	Black figures on white background
Pointer:	Brass, painted black
Dampening options:	Silicone dampened tube
Approvals:	UL 404, High Pressure Gas (1,500 psi - 4,000 psi)

WETTED COMPONENTS

Coil	Process Connection	Restrictor
Beryllium copper	Brass	Safety plug 1,500 - 4,000 psi ranges

NON-WETTED COMPONENTS

Case	Window
Stainless steel (sealed)	Polycarbonate

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°C to 65°C)	-40°F to 150°F (-40°C to 65°C)	-40°F to 150°F (-40°C to 65°C)
15DDG	-40°F to 150°F (-40°C to 65°C)	-40°F to 150°F (-40°C to 65°C)	-40°F to 150°F (-40°C to 65°C)

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ORDERING CODE	Example:	12DDG	01	B	3000	S1500	XUL
Model/Dial Size							
12DDG -1¼", Stainless steel case, brass process connection material		12DDG					
15DDG -1½", Stainless steel case, brass process connection material							
Process Connection Size							
01 - ⅛ NPT Male			01				
02 - ¼ NPT Male							
KG - ⅛ BSPT, R ⅛							
84 - PT ⅛							
Process Connection Location							
B - Back				B			
Range (coding example see range table on page 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")							
UL - UL 404 Listed 1,500 psi, 2,000 psi, 3,000 psi, 4,000 psi, including oxygen							X__ 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	100S50
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

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DIMENSIONS in [] are millimeters

For reference only, consult Ashcroft for specific dimensional drawings

Model No. Inches	Back Connection											Weight oz / kg
	A	B	C	D		E	F	G	H		J	
				¼ NPT	⅜ NPT				¼ NPT	⅜ NPT		
12DDG	1.45 [27]	1.25 [32]	0.50 [13]	1.25 [32]	1.06 [27]	0.20 [5]	0.40 [10]	0.71 [18]	9/16 [14]	7/8 [11]	0.43 [11]	0.705 oz 0.020 kg
15DDG	1.68 [43]	1.48 [37]	0.50 [13]	1.25 [32]	1.06 [27]	0.20 [5]	0.40 [10]	0.71 [18]	9/16 [14]	7/8 [11]	0.43 [11]	0.776 oz 0.022 kg

