ASHCROFT®

Low Pressure Bellows Gauge
Type 1187, 1188 & 1189
Grade A (2-1-2%)

- ***Available in 4½˝, 6˝ and 8½˝ dial sizes***
- ***Bellows-actuated mechanism***
- ***Three bellows materials***
- ***Easily adjustable micrometer pointer***
- ***Phenolic (1188) or aluminum (1187, 1189) cases***
- ***All-stainless steel movements***

Ashcroft® bellows gauges are used for measuring low pressures from 10" H_2O to 10 psi pressure as well as vacuum and compound ranges. Coupled with their sensitivity, these gauges have a rugged design for process and industrial applications.

IN A RUSH? ASK FOR ASHCROFT GOLD SERVICE

PRESSURE RANGES[5]

STANDARD			METRIC	
Single Scale Dial Compound	Dual Scale Dial Pressure		Single Scale Dial Pressure	Dual Scale Dial Pressure
(Vac/Press) inH_2O	Inner inH_2O	Outer oz/in^2	mmH_2O	Outer Scale inH_2O
–5/5	0/10	0/6	0/250	0/10
–10/10	0/15	0/9	0/400	0/16
–30/10	0/20	0/12	0/600	0/24
–20/20	0/30	0/18	0/1000	0/40
–40/20	0/40	0/24	0/1600	0/60
–10/30	0/60	0/35	0/2500	0/100
–30/30	0/80	0/45	0/4000	0/160
–70/30	0/100	0/57	0/6000	0/240
–20/40	0/150	0/90	**Vacuum**	**Vacuum**
–50/50			–250/0	–10/0
inHg/psi	**psi**	**inHg**	–400/0	–16/0
–5/3	0/5	0/10	–600/0	–24/0
–2/5	0/8	0/16	–1000/0	–40/0
–5/5	0/10	0/20	–1600/0	–60/0
–10/5	**Vacuum**		–2500/0	–100/0
	inH_2O	**mmHg**	–4000/0	–160/0
	10/0	18/0	–6000/0	–240/0
	15/0	28/0	**Compound**	**Compound**
	20/0	37/0	–125/125	–5/5
	30/0	56/0	–200/200	–8/8
	40/0	75/0	–300/300	–12/12
	60/0	110/0	–500/500	–20/20
	80/0	150/0	–800/800	–30/30
	100/0	180/0	–1250/1250	–50/50
	150/0	270/0	–2000/2000	–80/80
	inHg	**ftH_2O**	–3000/3000	–120/120
	10/0	11/0		
	15/0	17/0		
	20/0	23/0		

CASE SELECTION

Dial Size[1]	Case Type	Case Material	Ring Style	Mounting
4½˝, 6˝, 8½˝	1187	Aluminum, black epoxy coated	Hinged steel, black crinkle enamel	Flush — back only
4½˝	1188	Phenolic, black	Threaded polypropylene ring	Stem — lower or back Surface — lower or back Flush— back, order 1278M mounting ring, specify X56
4½˝, 6˝, 8½˝	1189	Aluminum, black epoxy coated	Threaded polypropylene ring	Stem — lower or back[2] Surface — lower or back[2] Flush — back, specify X56[2]

(1) 8½˝cases have hinged rings. (2) 8½˝only available in lower connection.

BELLOWS SYSTEM/RANGE SELECTION[3]

Order Code	Bellows & Socket Material	Pressure Range	Vacuum Range	Compound Range	NPT Conn.[4]	Available Case Size and Type
A	Brass	10˝H_2O to 10 psi	10˝H_2O to 20˝ mercury	5˝H_2O vac. & 5˝ H_2O press. to 10˝ mercury vac. & 5 psi	¼	4½˝, 6˝, 8½˝–1187 4½˝–1188 4½˝, 6˝, 8½˝–1189
S	316 SS	10˝H_2O to 10 psi	10˝H_2O to 20˝ mercury	5˝H_2O vac. & 5˝ H_2O press. to 10˝ mercury vac. & 5 psi	¼	4½˝, 6˝, 8½˝–1187 4½˝–1188 4½˝, 6˝, 8½˝–1189
P	Monel	10˝H_2O to 10 psi	10˝H_2O to 20˝ mercury	5˝H_2O vac. & 5˝ H_2O press. to 10˝ mercury vac. & 5 psi	¼	4½˝, 6˝, 8½˝–1187 4½˝–1188 4½˝, 6˝, 8½˝–1189

(3) For selection of the correct bellows system material, see the media application table on page 178.
(4) Optional connection ½ NPT.
(5) Others ranges available: Consult factory

TO ORDER THIS 1188, 1187 OR 1189 PRESSURE GAUGE:

Select: **45** **1188** **AS*** **02L** **XXX** **10˝H_2O**

1. Dial size–4½˝, 6˝ & 8½˝
2. Case type–1188,1187, 1189
3. Bellows and socket material
4. Connection size–¼˝ (02), ½˝ (04)
5. Connection location–Lower (L), Back (B) only
6. Optional features–see page 108
7. Standard pressure range–10˝H_2O

Accessories–see pages 166-173

(*) Denotes solid-front case design.

Consult factory for guidance in product selection
Phone (203) 378-8281, FAX (203) 385-0499 or
visit our web site at www.ashcroft.com

DRESSER INSTRUMENT
a Halliburton company