ASHCROFT®

Low Pressure Bellows Gauge
Type 1187, 1188 & 1189
ASME B 40.1 Grade A
(±2-1-2% of span)

- ***Available in 4½˝ and 6˝ 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[4]

STANDARD			METRIC	
Single Scale Dial Compound	Dual Scale Dial Pressure		Single Scale Dial Pressure	Dual Scale Dial Pressure
(Vac/Press) in.H_2O	Inner in.H_2O	Outer oz/in²	mmH_2O	Outer Scale in.H_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
in.Hg/psi	**psi**	**in.Hg**	–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
	in.H_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
	in.Hg	**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˝	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˝	1189	Aluminum, black epoxy coated	Threaded polypropylene ring	Stem — lower Surface — lower

BELLOWS SYSTEM/RANGE SELECTION[3]

Order Code	Bellows & Socket Material	Pressure Range	Vacuum Range	Compound Range	NPT Conn.	Available Case Size and Type
A	Brass	10 in.H_2O to 10 psi	10 in.H_2O to 20 in.Hg	5 in.H_2O vac. & 5 in. 5 in.H_2O vac. & 10 in. Hg vac. & 5 psi	¼, ½	4½˝–1187 4½˝–1188 4½˝, 6˝–1189[5]
S	316 SS	10 in.H_2O to 10 psi	10˝H_2O to 20 in.Hg	5 in.H_2O vac. & 5 in. 5 in.H_2O vac. & 10 in. Hg vac. & 5 psi	¼, ½	4½˝–1187 4½˝–1188 4½˝, 6˝–1189[5]
P	Monel Meets NACE MR01-75	10 in.H_2O to 10 psi	10˝H_2O to 20 in.Hg	5 in.H_2O vac. & 5 in. 5 in.H_2O vac. & 10 in. Hg vac. & 5 psi	¼, ½	4½˝–1187 4½˝–1188 4½˝, 6˝–1189[5]

(3) For selection of the correct bellows system material, see the media application table on page 243 or the Corrosion Guide.
(4) Others ranges available: Consult factory.
(5) Lower connect only.

TO ORDER THIS 1188, 1187 OR 1189 PRESSURE GAUGE:

Select: **45** **1188** **AS*** **02L** **XXX** **10 IW**

1. Dial size–4½˝ & 6˝
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)
6. Optional features – see page 176
7. Standard pressure range –10 in.H_2O