MANUAL GAS ADJUSTER GAF SERIES

INTRODUCTION

The GAF gas adjusters are designed to provide an accurate flow control. The conical needle or cylindrical plug valve has a micrometric adjusting stem and allows excellent regulation capabilities even at reduced flows. A GAF gas adjuster can be accurately adjusted with a screwdriver. A seal cap protects the adjustment screw and prevents leakage.

APPLICATIONS

• Micrometric flow regulation for non aggressive fluid: i.e., natural gas, LPG, air, Nitrogen, etc...

CHARACTERISTICS

- Valve body:
- Piston and rising stem:
- Cap:
- "O" ring seal
- Max. operating pressure:
- Fluid temperature:
- Size from ø 1/2" to ø 4"
- Gas adjusters can be supplied for threaded or flanged connections, with pressure tap.

INSTALLATION

- It is recommended to mount adjusting valves downstream the measuring device.
- Check that there are no bodies inside the valve seat before installation, if necessary purge the GAF with compressed air.
- Disassemble the connection flanges of the gas adjuster (inlet/outlet) and install on the pipeline. Assemble the GAF checking the proper tightness of the gaskets.
- Verify that pressure taps are closed and tight.







Headquarters Esa S.r.l.

International Sales

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cast iron G25

VITON 350 mbar

galvanized AVP aluminium/AVP

- 30°C +180°C

according ISO 7/1

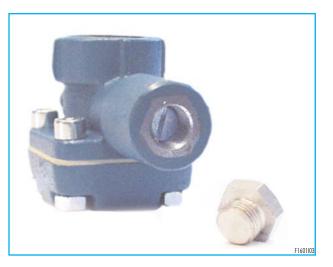
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REGULATION

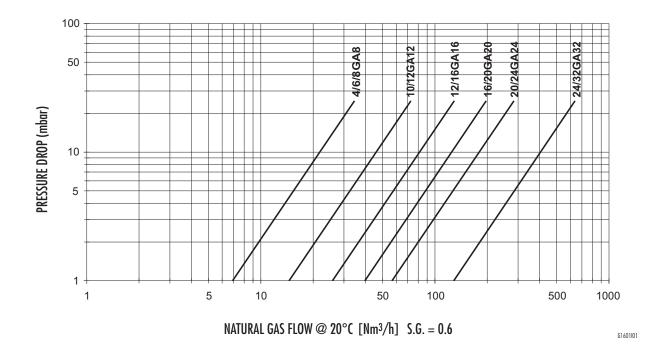
The regulation of the flow rate is accomplished by acting on the stern of the valve which has been screwed on. Remove the plug and adjust the stem position with a screwdriver.

- "Extract" the stem to increase the flowrate
- "Insert" the stem to decrease the flow rate

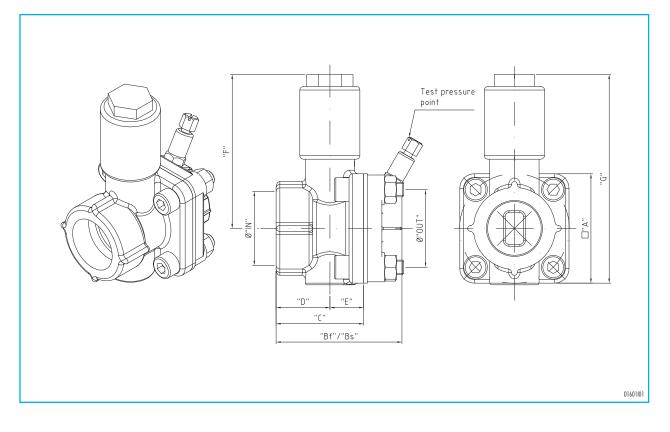
The gas adjuster's stem is provided with positioners for maximun opening/closure



CAPACITY TABLE



DIMENSIONS

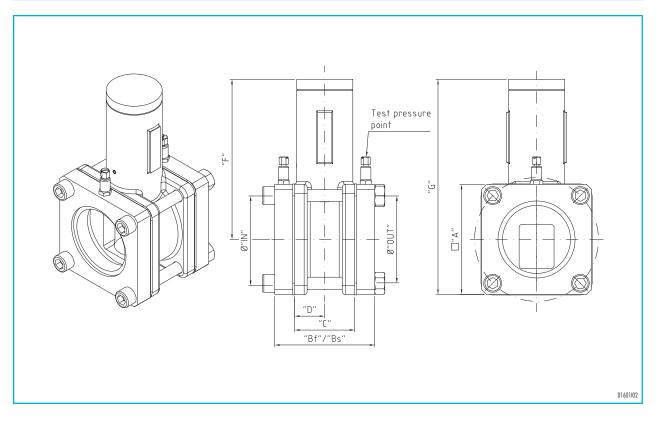


Model	ø IN	ø OUT	A mm	Bf** mm	Bs** mm	C mm	D mm	E mm	F mm	G mm	Mass kg
4GAF6	G - ½″	G - ¾″	60	69	68	48	30	18	85	115	1
6GAF6	G - ¾″	G - ¾″	60	69	68	48	30	18	85	115	1
6GAF8	G - ¾″	G - 1″	60	69	68	48	30	18	85	115	1
8GAF8	G - 1″	G - 1″	60	69	68	48	30	18	85	115	1
10GAF10	G - 1.¼″	G - 1.¼″	76	90.5	80	60	40	20	107	145	2
10GAF12	G - 1.¼″	G - 1.½″	76	90.5	80	60	40	20	107	145	2
12GAF12	G - 1.½″	G - 1.½″	76	90.5	80	60	40	20	107	145	2

Bf** = Dimension with threaded flanges Bs** = Dimension with welding flanges



DIMENSIONS



Model	ø IN	ø OUT	A mm	Bf** mm	Bs** mm	C mm	D mm	F mm	G mm	Mass kg
12GAF16	G - 1.½″	G - 2″	90	104	80	40	20	121	166	3.9
16GAF16	G - 2″	G - 2″	90	104	80	40	20	121	166	3.9
16GAF20	DN50	DN65	100	-	95	55	27.5	150	200	5.5
20GAF20	DN65	DN65	100	-	95	55	27.5	150	200	5.5
20GAF24	DN65	DN80	110	-	100	60	30	160	215	7.6
24GAF24	DN80	DN80	110	-	100	60	30	160	215	7.6
24GAF32	DN80	DN100	150	-	115	75	37,5	227	302	16.5
32GAF32	DN100	DN100	150	-	115	75	37.5	227	302	16.5

 $Bf^{**} = Dimension$ with threaded flanges

Bs** = Dimension with welding flanges

NOTE: Based on the company's policy aimed at a continuous improvement on product quality, ESA-PYRONICS reserves the right to bring changes to the technical characteristics of this device without previous notice. Our catalog updated to the latest version is available on our web site www.esapyronics.com and it is possible to download modified documents



WARNING: Operating a combustion system can be dangerous and cause harm to persons or damage to equipment. Every burner must be provided with safety devices that monitors the combustion. The installation, adjustment and maintenance operations should only be performed by trained and qualified personnel.