



REGULATORS

VIS 1800



About

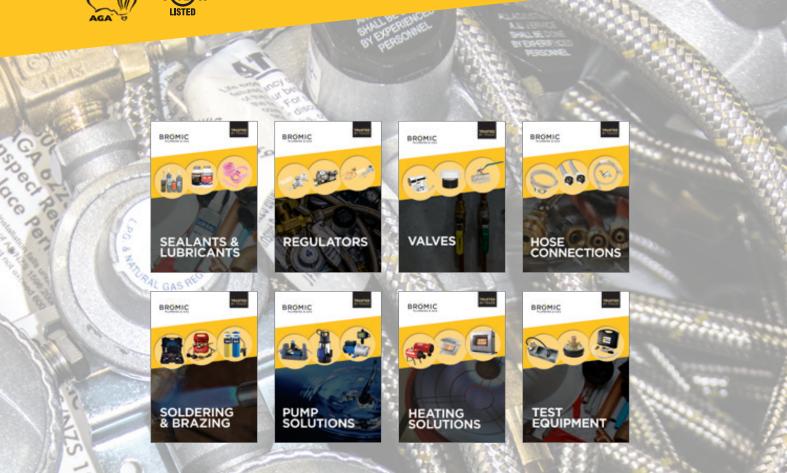
Bromic Plumbing & Gas provide a wide variety of regulators to suit applications from recreational to professional, in both Natural Gas & LPG (propane). Our range of regulators includes everything from single stage to dual stage regulators with both manual & automatic changeover options available.

Included in our range of high-quality regulators are Cavagna & Kosan. The Cavagna brand is synonymous with premium quality and trusted by the gas industry. Kosan regulators are specifically designed for high-pressure & high-volume applications, while providing superior performance and reliability.

Bromic regulators are AGA or UL144 approved.

NOTE: Any work conducted with gas installation must be carried out by qualified personnel.





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Introduction

Gas Controlling Products Manufactured in Italy by CavagnaGroup®

Why Bromic chose Cavagna Group?

- Established in 1949, specialising in gases controlling equipment
- World leading manufacturer for last 70 years
- Synonymous with premium quality
- Reputable and well respected throughout industry



Bromic Patented Technology

LPG Regulator with built-in Safety Shut-off Device (SSD)

The Bromic dual stage regulators incorporate a patented safety shut-off mechanism. This mechanism will engage in the event of gas flow greater than 140% of rated flow (e.g. regulator diaphragm failure, equipment leakage downstream) to prevent any potential disasters and ensure safety at all times.

Installation Guide:

- + Care must be taken when opening gas flow downstream. Open shut-off valve in a gradual motion.
- + Leak test full system after appliance installation. Downstream leaks can occur which will engage the safety shut-off device.



Introduction

Bromic Dual Stage Regulator (Recommended installation configuration)

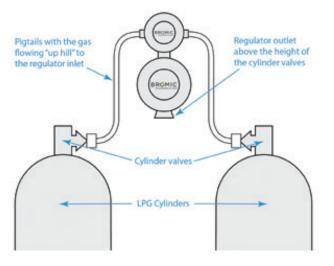


Figure 1. Recommended regulator installation configuration

- Regulator outlet must be positioned above the height
 of the cylinders
- Pigtails (copper or flexible) must flow "up hill" to the regulator inlet
- Regulator outlet (and vent) must be pointing down (towards the ground) and be adequately protected
- Regulator selected for the application must have greater capacity than maximum demand. It is recommended that the capacity be more than 25% of maximum demand
- All installations must comply with AS 5601 and AS/NZS 1596 installation guidelines and standards for gas fitting and relevant council regulations

Bromic Gas Hose Classes

Refer to the Bromic Gas Hose class table to determine

- Application
- Working pressure
- Temperature range

Class	Typical Application	Max Working Pressure @ 23°C +/- 2°C	Working Temperature Range °C	
A	Low pressure appliance hose	14 kPa	-20°C to +65°C	
В	Low pressure, high temperature appliance hose	14 kPa	-20°C to +125°C	
с	High pressure appliance and gas tool hose	2600 kPa	-20°C to +65°C	
D	High pressure, high temperature appliance and gas tool hose	2600 kPa	-20°C to +125°C	
F	Flexible cylinder connectors (Pigtails)	2600 kPa	-20°C to +100°C	

Table 1. Bromic Gas Hose Classes (ref: AS/NZS 1869:2012)

Single Stage LPG Regulators

Bromic Single Stage Regulators

Bromic single stage regulators are for applications in which a constant outlet pressure is not vital, where an operator can monitor and re-adjust pressure, or where an inlet pressure is stable. Suited to single LPG cylinder systems for domestic applications. Our single stage LPG regulators are very low maintenance yet high performing products manufactured under strict quality control supervision.

LPG Regulator	Adjustable LPG Regulator	Soft Nose POL Regulator	90° Soft Nose POL
Part No. 6060238	Part No. 6060491	Part No. 6060411	Part No. 6060209
First Stage Regulator	Second Stage Regulator	High Pressure Regulator	
C US US	CULUS US		
Part No. 6060501	Part No. 6060502	Part No. 6060902	

Part No.	Cap	acity	Regulator	Bracket +	Manual or	Pigtails		Test Point	AGA Approval	Conne	ections
Part NO.	MJ/H	Kg/H	Regulator	Screws	Automatic Changeover	Copper	Flexible	Adaptor	No.	INLET	OUTLET
6060238	100	2	Y	-	-	-	-	-	7688	3/8" LH	3/8" NPT
6060491	175	3.5	Y	-	-	-	-	-	3414	1/4" NPT	3/8" NPT
6060411	175	3.5	Y	-	-	-	-	-	3414	POL	3/8" NPT
6060209	100	2	Y	-	-	-	-	-	7688	POL	3/8" NPT
6060501	1000	20	Y	-	Optional	Optional	Optional	Optional	-	1/4" NPT	1/2" NPT
6060502	500	10	Y	Y	-	-	-	-	-	1/2" NPT	1/2" NPT
6060902	400	8	Y	-	-	-	-	-	-	1/4" BSP	1/4" BSP

Dual Stage LPG Regulators

Bromic Dual Stage LPG Regulators



Products on this page include a metal bracket refer to pg 16

Bromic dual stage regulators are recommended for applications that require a constant outlet pressure for the life of a gas cylinder. Suited to multi-cylinder systems for large domestic or commercial applications these regulators meet the requirements of UL144, ensuring safety and quality.

All Bromic dual stage LPG regulators have an access port for a pressure test point and incorporate a patented safety shut-off device (SSD). This mechanism will engage in the event of gas flow greater than 140% of rated flow (e.g. in the case of regulator diaphragm failure or equipment leakage downstream), offering further peace of mind. Italian made, dual stage regulators offer high-quality construction and are manufactured under strict product quality control.

Part No. 6060513	Part No. 6060521	Part No. 6060531	Part No. 6060540	Part No. 6060542
Part No. 6060532	Part No. 6060522	Part No. 6060543	Part No. 6060523	Part No. 6060515

Part No.	Capa LPG @	acity 2.8 kPa	Desulator	Adaptor Manual + or Bracket Automatic		Pigt	tails	Test Point	Connections	
Part NO.	MJ/H	Kg/H	Regulator	+ Screws	Automatic Changeover	Copper	Flexible	Adaptor	INLET	OUTLET
6060513	160	3.2	Y	Bracket only	Optional	Optional	-	-	1/4" NPT	3/8" NPT
6060521	160	3.2	Y	Y	-	Optional	-	-	1/4" NPT	3/8" NPT
6060531	160	3.2	Y	Y	Manual	-	Optional	-	1/4" NPT	3/8" NPT
6060540	160	3.2	Y	Bracket only	Automatic	Optional	-	-	1/4" NPT	3/8" NPT
6060542	200	4	Y	Y	Automatic	-	Optional	-	7/16" NPT	3/8" NPT
6060532	250	5	Y	Y	Manual	-	Optional	-	1/4" NPT	3/8" NPT
6060522	250	5	Y	Y	-	-	Optional	-	1/4" NPT	3/8" NPT
6060543	400	8	Y	Y	Automatic	-	Optional	-	7/16" NPT	1/2" NPT
6060523	500	10	Y	Y	-	-	Optional	-	1/4" NPT	1/2" NPT
6060515	600	12	Y	Y	Automatic	-	Optional	-	1/4" NPT	1/2" NPT

Single Cylinder LPG Regulator Kits

Bromic Single Cylinder LPG Installation Kit

Ensuring safety and quality, Bromic UL144 approved single cylinder LPG, single stage regulator installation kits are available with flexible stainless steel or copper pigtail. Suited to single LPG cylinder systems for domestic applications.





Part No.	Capacity LPG @ 2.8 kPa														Regulator	Adaptor + Bracket	Manual or	Pigt	tails	Test Point	Conne	ections
Part NO.	MJ/H	Kg/H	Regulator	+ Screws	Automatic Changeover	Copper	Flexible	Adaptor	INLET	OUTLET												
6060560	160	3.2	Υ	Y	Manual	Optional	1 x 450mm S/Steel	Optional	1/4" NPT	3/8" NPT												
6060526	250	5	Y	Y	Manual	1 x 450mm	Optional	Optional	1/4" NPT	3/8" NPT												
6060527	500	10	Y	Y	Manual	1 x 450mm	Optional	Optional	1/4" NPT	1/2" NPT												





*Comes in varying sizes see below.

Part No.	Description	Test Point Adaptor	Pigtail Length	Pigtail Connection	Regulator Outlet With Test Point Adaptor installed
6060583* 6060584 6060681 6060682	Single bottle regulator kit with metal bracket fitted, protective cover, 1 x H/Wheel S/S braided pigtail, pigtail elbow & test point adaptor - assembled, leak tested & packed ready for installation	5/16" SAE 3/8" SAE 5/16" SAE 3/8" SAE	1 x 450mm 1 x 450mm 1 x 600mm 1 x 660mm	1/4" NPT	5/16" SAE 3/8" SAE 5/16" SAE 3/8" SAE
6060524	Single bottle regulator kit with metal bracket fitted, 1 x copper pigtail & 1 x pigtail adaptor	-	1 x 450mm	7/16" NPT	3/8" NPT

LPG Cylinder Installation Kits

Bromic Dual Cylinder LPG Installation Kit



V2" SAE Test point adaptor included			
Part No. 6060535	Part No. 6060544	Part No. 6060534	Part No. 6060594
	1/2" SAE Test point adaptor included		1/2" SAE Test point adaptor included
Part No. 6060545	Part No. 6060550	Part No. 6060546	Part No. 6060551
	Weather kit (9999585) included		
Part No.	6060553	Part No. 6060554	Part No. 6060555

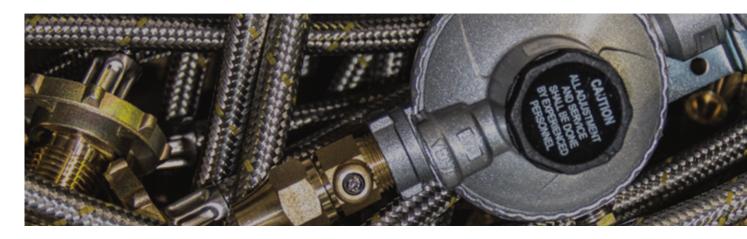
Davt Na	Capacity LPG @ 2.8 kPa		Adaptor + Degulator Bracket	Manual or	Pigtails		Test	Connections		
Part No.	MJ/H	Kg/H	Regulator	Bracket + Screws	Automatic Changeover	Copper	Flexible	Point Adaptor	INLET	OUTLET
6060535	160	3.2	Y	Y	Manual	2 x 450mm	-	1 x 1/2" SAE	7/16" NPT	3/8" NPT
6060544	200	4	Y	Y	Automatic	2 x 450mm	-	-	7/16" NPT	3/8" NPT
6060534	250	5	Y	Y	Manual	2 x 450mm	-	-	7/16" NPT	3/8" NPT
6060594	250	5	Y	Y	Manual	-	2 x 450mm S/Steel	-	7/16" NPT	3/8" NPT
6060545	400	8	Y	Y	Automatic	2 x 450mm	-	-	7/16" NPT	1/2" NPT
6060550	400	8	Y	Y	Automatic	2 x 450mm	-	1 x 1/2" SAE	7/16" NPT	1/2" NPT
6060546	500	10	Y	Y	Manual	2 x 450mm	-	-	1/4" NPT	1/2" NPT
6060551	500	10	Y	Y	Manual	2 x 450mm	-	1 x 1/2" SAE	1/4" NPT	1/2" NPT
6060553	400	8	Υ	Y	Automatic	2 x 450mm	-	-	7/16" NPT	1/2" NPT
6060554	600	12	Y	Y	Automatic	-	2 x 450mm S/Steel	-	1/4" NPT	1/2" NPT
6060555	600	12	Y	Y	Automatic	2 x 450mm	-	-	1/4" NPT	1/2" NPT

Caravan & RV LPG Regulator Kits



*Comes in varying sizes see below.

Part No.	Description	Test Point Adaptor	Pigtail Length	Pigtail Connection	Regulator Outlet With Test Point Adaptor Installed
6060587* 6060586 6060588	Manual changeover regulator kit with metal bracket fitted, 2 x H/Wheel S/Steel Braided pigtail and test point adaptor - assembled, leak tested and packed ready for installation	5/16" SAE 3/8" SAE 3/8" SAE	2 x 450mm 2 x 450mm 2 x 600mm	7/16" NPT	5/16" SAE 3/8" SAE 3/8" SAE
6060643 6060644	Automatic changeover regulator kit with metal bracket fitted, 2 x H/Wheel S/Steel Braided pigtail and test point adaptor - assembled, leak tested and packed ready for installation	5/16" SAE 3/8" SAE	2 x 450mm 2 x 450mm	7/16" NPT	5/16" SAE 3/8" SAE
6060533	Manual changeover regulator kit with metal bracket fitted, 2 x copper pigtails	-	2 x 450mm	7/16" NPT	3/8″ NPT
6060641	Automatic changeover regulator kit with metal bracket fitted, 2 x copper pigtails	-	2 x 450mm	7/16" NPT	3/8" NPT



Kosan LPG Regulators

Kosan Commercial LPG Regulators



Bromic's range of Kosan LPG regulators are heavy duty in every sense of the word, designed specifically for high-pressure and high-volume applications. Featuring a specially-formulated regulator seat compound to protect against damaging substances, Kosan's ultra-durable regulators offer superior performance and reliability.

- Specially-formulated chemically-inert seat compound
- Aluminium body
- Stainless steel screws
- Reinforced diaphragm
- Safety device seal
- Compact size and common mounting ensures interchangeability
- Steel mounting bracket included

Application

Suitable for commercial gas applications.

First Stage Regulator	Second Stage Regulator	Dual Stage Regulator	Dual Stage Regulator Kit
Part No. 6060504	Part No. 6060505	Part No. 6060547	Part No. 6060557

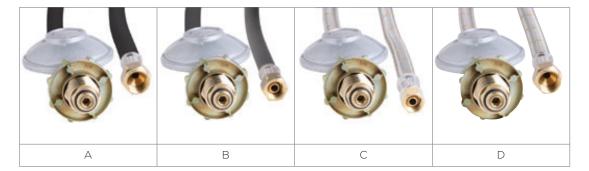
Part No.	Capacity	Regulator	Adaptor + Bracket	Pigtai Manual		tails	nils Test Point		Connections	
Part NO.	MJ/H	Regulator	+ Screws	Changeover	Copper	Flexible	Adaptor	INLET	OUTLET	
6060504	2200	Y	Y	-	-	-	-	POL	1/2" NPT	
6060505	1400	Y	Υ	Optional	-	-	-	3/4" NPT	3/4" NPT	
6060547	790	Y	Y	Optional	-	-	-	1/4" NPT	1/2" NPT	
6060557	790	Y	Y	Y	-	-	-	1/4" NPT	1/2" NPT	

Kosan LPG Regulators

LPG Regulator & Hose Assemblies

Bromic LPG Regulator & Hose Assemblies

Our range offers 8mm PVC and 10mm Stainless Steel gas hose options in varying lengths. These LPG regulators have a 2 kg/h capacity at 2.8 kPa and are ideal for use in outdoor LPG appliance applications.



		Capacity		Hose Type	Connections		
Image	Part No.	LPG at 2.8 kPa	Hose Length	(ID = Internal Diameter)	INLET	OUTLET	
	6260007	2 kg/H	600mm PVC / 8mm ID		POL	3/8" SAEF	
A	6260009	2 kg/H	900mm	PVC / 8mm ID	POL	1/4" BSPF	
	6260006	2 kg/H	600mm	PVC / 8mm ID	POL	1/4" BSPF	
в	6260212	2 kg/H	1200mm	PVC / 8mm ID	POL	1/4" BSPF	
	6260218	2 kg/H	1800mm	PVC / 8mm ID	POL	1/4" BSPF	
	6260706	2 kg/H	600mm	Stainless Steel / 10mm ID	POL	1/4" BSPF	
с	6260709	2 kg/H	900mm	Stainless Steel / 10mm ID	POL	1/4" BSPF	
	6260702	2 kg/H	1200mm	Stainless Steel / 10mm ID	POL	1/4" BSPF	
	6260708	2 kg/H	1800mm	Stainless Steel / 10mm ID	POL	1/4" BSPF	
D	6260716	2 kg/H	600mm	Stainless Steel / 10mm ID	POL	3/8" SAEF	
U	6260719	2 kg/H	900mm	Stainless Steel / 10mm ID	POL	3/8" SAEF	



Gas Appliance Regulators

Bromic Gas Appliance Regulators

Bromic's range of Natural Gas governors are available in a range of sizes. Also available in LPG.

Approved by the Australian Gas Association, these regulators offer reliable performance with a maximum inlet pressure of 5 kPa.



	Conne	ection	Cap	acity	Specifications			
Part No.	INLET	OUTLET	MJ/H	Max. Inlet Pressure	Adjustable	AGA Approval No.	Test Point Adaptor	
6160595 Natural Gas	1/2" BSP	1/2" BSP	78	5 kPa	-	5149	Integral test point	
6160785 Natural Gas	1/2" BSP	1/2" BSP	250	5 kPa	1 or 2 kPa maximum	5862	RP 1/2"	
6160788 Natural Gas	3/4" BSP	3/4" BSP	250	5 kPa	1 or 2 kPa maximum	5862	BSP 3/4"	



-	Conne	ection	Capacity		Specifications			
Part No.	INLET	OUTLET	MJ/H	Max. Inlet Pressure	Adjustable	AGA Approval No.	Test Point Adaptor	
6160886 LPG	1/2" BSP	1/2" BSP	250	5 kPa	Min. outlet 2.75 kPa	5862	RP 1/2"	
6160888 LPG	3/4" BSP	3/4" BSP	250	5 kPa	Min. outlet 2.75 kPa	5862	BSP 3/4"	

Bromic Pigtails

Pigtail Assemblies

Bromic rubber and copper Class C pigtail assemblies are manufactured in accordance with Standard AS/NZS 1869 and approved by the Australian Gas Association for use with gas.

- Class C Gas Hose (ref. Table 1; pg. 5)
- AGA Approved
- High pressure, low temperature hose type

Flexible Rubber Pigtails - 6HPT

Part No.	Description	Length	Box Qty	AGA Approval No.	E
6HPT0450	5/16" - 24 Inverted Flare X POL	450mm	10	6409	

Maximum working pressure 2.6 MPa

Approved to AS/NZS 1869:2012

■ Working temperature -20°C to +65°C

Flexible Rubber Pigtails - 6HPTH

Part No.	Description	Length	Box Qty	AGA Approval No.		
6HPTH450	5/16" - 24 Inverted Flare x Handwheel POL	450mm	10	6409	202- LPG	

Copper Pigtails

Part No.	Description	Length	Box Quantity
6360510	5/16"	450mm	25
6360511	Inverted Flare x	600mm	10
6360512	POL	1000mm	10







Flexible Stainless Steel Pigtails

Flexible Stainless Steel Pigtail Assemblies

Bromic flexible stainless steel Class F pigtail assemblies are manufactured in accordance with Standard AS/NZS 1869 and approved by the Australian Gas Association for use with gas.

- Class F Pigtail connector (ref. Table 1; pg. 5) Maximum hose length 600mm
- AGA Approved

- Working temperature -20°C to +100°C
- Maximum working pressure 2.6MPa
 - Approved to AS/NZS 1869:2012

Flexible Braided Stainless Steel Pigtails - 6SFN

Part No.	Description	Length	Box Qty	AGA Approval No.	
6SFN0450	5/16" Inverted Flare	450mm	10	6223	
6SFN0600	x POL	600mm	10	6223	





CLASS F

Flexible Braided Stainless Steel Pigtails - 6SHW

Part No.	Description	Length	Box Qty	AGA Approval No.	100
6SHW0450*	5/16" Inverted Flare	450mm	10	6223	355
6SHW0600	x Handwheel POL	600mm	10	6223	





*6SHW0450 needs to be assembled into inlet with AC29 adaptor (5050420), 1/4" NPT M (into regulator) x 7/16"x24 NS F

Flexible Braided Stainless Steel Pigtails - 6SCA

Part No.	Description	Length	Box Qty	AGA Approval No.	
6SCA0450	1/4" NPT M	450mm	10	6223	3
6SCA0600	POL	600mm	10	6223	





Flexible Braided Stainless Steel Pigtails - 6SCH

Part No.	Description	Length	Box Qty	AGA Approval No.
6SCH0450	1/4" NPT M	450mm	10	6223
6SCH0600	X Handwheel POL	600mm	10	6223





Flexible Stainless Steel Pigtails CLASS F

Optional Extras

Bromic Metal Bracket

Part No. 6060992

- Universal metal mounting bracket
- Suits LPG (propane) regulators



Bromic Compliance Plate

Part No. 9999950

- Suits all LPG regulators and LPG appliance installations
- NSW only

This installation is a	W SOUTH WALES designed for use with TROLEUM GAS
CERT. OF INSPECTION NO:	
TESTED BY	(LICENCE NO)
CONTRACTOR	(AUTHORITY NO)
DATE OF TEST	
APPLIANCES:	

Bromic Drain Regulator Kit

Part No. 6060920

Suits all LPG regulators and LPG appliance installations



Bromic Weather Kit

Part No. 9999585

Suits most LPG regulators and LPG appliance installations

Bromic Pigtail Adaptor

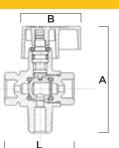
Part No. 5050420

- 1/4" NTP M x 5/16" SAE IF
- Copper pigtail adaptor suits all manual LPG regulators



Bromic Manual Changeover Valve (LPG)

- 100% Pressure Tested
- High quality brass construction
- Working Temperature 0°C to +60°C
- Maximum operating pressure @ nominal temperature 2600 kPa
- Approved by the Australian Gas Association for use with LPG





Part No.	Туре	Connection		Dimensions			AGA	Pack
		INLET	OUTLET	А	В	L	Approval No.	Quantity
1210302	Female flare	2 x 5/16" Inverted flare	1/4" NPT	60mm	32mm	39mm	4028	10

Test Point Adaptors

Bromic Test Point Adaptors

Part No. 6160442	Part No. 6160452	Part No. 6160461	Part No. 6160462	Part No. 6160505
Part No. 6160672	Part No. 6160673	Part No. 6160674	Part No. 6160675	Part No. 6160676

Part No.	Connection	Material	Suits Regulator	Pack Qty
6160442	1/2" BSP F x 1/2" BSP F	Brass	*Sealing seat requires flat washer (Part No. 9390952)	10
6160452	50452 1/2" BSP F x 1/2" BSP F Brass		-	10
6160461	3/8" BSP F x 3/8" BSP M	Brass	6160593	10
6160462	1/2" BSP F x 1/2" BSP M	Brass	6160595, 6160795, 6160796	10
6160505	6160672 R-3/8" M x 5/16" SAE M & nut Brass		-	25
6160672			6060520, 6060521, 6060522, 6060540, 6060544	10
6160673			6060520, 6060521, 6060522, 6060540, 6060544	10
6160674	R-1/2" M x 1/2" SAE F & nut	Brass	6060523, 6060545	10
6160675	R-3/8" M x 1/2" SAE F & nut	Brass	6060520, 6060521, 6060522, 6060540, 6060544	10
6160676	R-1/2" M x 3/4" SAE F & nut	Brass	6060523, 6060545	10

IMPORTANT: Government regulations for test point adaptors

TEST POINTS REQUIRED ON GAS SYSTEMS

When gas is supplied for the first time or by a new supplier, the gas supplier must ensure that a test point is located on or immediately downstream from the regulator. This should be used to test for leaks and to pressure test the system.

Test points are compulsory in Queensland and Western Australia* (correct at time of printing). Source: Queensland Government (Department of Mines, Resources and Water) 2006, 'Test points are now required on gas systems' Petroleum and Gas Safety News, No. 13, Feb, pg. 5

Warranties & Extras

All Bromic products are manufactured to the highest quality standard and come with guarantees against any material or workmanship defects; guarantees that cannot be excluded under Australian Consumer Law. For specific warranty details on any Bromic product, including warranty duration, please refer to the product instructions. Alternatively, contact one of our helpful customer service staff or visit bromicgroup.com for more information.

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ORDERING

Orders can be placed by fax, online or email. Our catalogue includes Part No. to ensure ease of use, with the customer in mind.

COMPLIANCE

Products stocked by Bromic comply with all relevant regulatory requirements i.e. MEPS, AGA, electrical and safety requirements.

Notes

Notes



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