



## **REGULATORS**

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-flow 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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# LPG CYLINDER INSTALLATION KITS

Our cylinder LPG installation kits are UL144 approved and come with a patented safety shut off device. With manual or automatic changeover options, our kits include regulator, adaptor, bracket and screws with options for copper pigtails or flexible stainless steel pigtails.

## **LPG CYLINDER INSTALLATION KITS**

## **Bromic Dual Cylinder LPG Installation Kit**





Part No.		acity 2.8 kPa	Adaptor +	Manual or	Pig	tails	Test Point	Connections	
rait No.	мЈ/Н	Kg/H	Bracket + Screws	Automatic Changeover	Copper	Flexible	Adaptor	INLET	OUTLET
6060535	160	3.2	Υ	Manual	2 x 450mm	-	1 x 1/2" SAE	7/16" Inverted Flare	3/8" NPT
6060544	200	4	Υ	Automatic	2 x 450mm	-	-	7/16" Inverted Flare	3/8" NPT
6060534	250	5	Υ	Manual	2 x 450mm	-	-	7/16" Inverted Flare	3/8" NPT
6060594	250	5	Y	Manual	-	2 x 450mm S/Steel	-	7/16" Inverted Flare	3/8" NPT
6060545	400	8	Υ	Automatic	2 x 450mm	-	-	7/16" Inverted Flare	1/2" NPT
6060550	400	8	Υ	Automatic	2 x 450mm	-	1 x 1/2" SAE	7/16" Inverted Flare	1/2" NPT
6060546	500	10	Υ	Manual	2 x 450mm	-	-	7/16" Inverted Flare	1/2" NPT
6060551	500	10	Υ	Manual	2 x 450mm	-	1 x 1/2" SAE	7/16" Inverted Flare	1/2" NPT
6060553	400	8	Υ	Automatic	-	2 x 600mm S/Steel	-	7/16" Inverted Flare	1/2" NPT
6060554	600	12	Υ	Automatic	-	2 x 600mm S/Steel	-	7/16" Inverted Flare	1/2" NPT
6060555	600	12	Υ	Automatic	2 x 450mm	-	-	7/16" Inverted Flare	1/2" NPT

## **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.



Port No.	LPG @	2.8 kPa	Regulator	Bracket +	AGA	Conne	ctions
Part No.	MJ/H	Kg/H	Regulator	Screws	Approval No.	INLET	OUTLET
6060238	100	2	Υ	-	7688	3/8" BSPP LH	3/8" BSPP
6060491	175	3.5	Υ	-	3414	1/4" NPT	3/8" NPT
6060411H	175	3.5	Υ	-	3414	POL	3/8" BSPP
6060411H-27	137	275	Υ	-	3414	LCC27	3/8" BSPP
6060209H	100	2	Υ	-	7688	POL	3/8" BSPP
6060209H-27	100	2	Υ	-	7688	LCC27	3/8" BSPP
6060501	1000	20	Υ	Y	-	1/4" NPT	1/2" NPT
6060502	500	10	Υ	Υ	-	1/2" NPT	1/2" NPT
6060902	600	12	Y	-	-	1/4" BSPP	1/4" BSPP

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## **DUAL STAGE LPG REGULATORS**

## **Bromic Dual Stage LPG Regulators**



Products on this page include plastic bracket - refer to pg 13

Bromic dual stage regulators are recommended for applications that require a constant outlet pressure for the life of a gas cylinder. Suited to single or dual 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. 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.

Available in kits with copper or flexible stainless steel pigtails.



Doub No.	Capacity LPG @ 2.8 kPa		Regulator	Adaptor	Bracket	Manual or	Test Point	Connections	
Part No.	MJ/H	Kg/H	Regulator	Adaptor	+ Screws	Automatic Changeover	Adaptor	INLET	OUTLET
6060513	160	3.2	Y	-	Bracket only	Manual	-	7/16" Inverted Flare	3/8" NPT
6060521	160	3.2	Υ	Υ	Υ	-	-	7/16" Inverted Flare	3/8" NPT
6060531	160	3.2	Υ	Υ	Υ	Manual	-	7/16" Inverted Flare	3/8" NPT
6060542	200	4	Υ	-	Υ	Automatic	-	7/16" Inverted Flare	3/8" NPT
6060532	250	5	Υ	Υ	Υ	Manual	-	7/16" Inverted Flare	3/8" NPT
6060522	250	5	Υ	Υ	Υ	-	-	7/16" Inverted Flare	3/8" NPT
6060543	400	8	Υ	-	Υ	Automatic	-	7/16" Inverted Flare	1/2" NPT
6060523	500	10	Υ	Υ	Υ	-	-	7/16" Inverted Flare	1/2" NPT
6060515	600	12	Υ	-	Υ	Automatic	-	7/16" Inverted Flare	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	Pigt	ails	Test Point	Conne	ctions
Part No.	MJ/H	Kg/H	Regulator	+ Screws	Copper	pper Flexible	Adaptor	INLET	OUTLET
6060560	160	3.2	Υ	Υ	Optional	1 x 450mm S/Steel	Optional	1/4" NPT	3/8" NPT
6060526	250	5	Υ	Υ	1 x 450mm	Optional	Optional	1/4" NPT	3/8" NPT
6060527	500	10	Υ	Υ	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
6060583* 6060584 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 3/8" SAE	1 x 450mm 1 x 450mm 1 x 660mm	1/4" NPT
6060583-27 6060584-27	Single bottle regulator kit with metal bracket fitted, protective cover, 1 x LCC27 S/S braided pigtail, pigtail elbow & test point adaptor - assembled, leak tested & packed ready for installation	5/16" SAE 3/8" SAE	1 x 450mm	1/4" NPT

# **CARAVAN & RV LPG REGULATOR KITS**



## **Bromic Caravan & RV LPG Regulator Kits**



<sup>\*</sup>Comes in varying sizes see below.

Part No.	Description	Test Point Adaptor	Pigtail Length	Pigtail Connection
6060586-27 6060587-27* 6060588-27	Manual changeover regulator kit with metal bracket fitted, 2 x LCC27 S/Steel Braided pigtails and test point adaptor - assembled, leak tested and packed ready for installation	3/8" SAE 5/6" SAE 3/8" SAE	2 x 450mm 2 x 450mm 2 x 600mm	7/16" Inverted Flare
6060643-27	Automatic changeover regulator kit with metal bracket fitted, 2 x LCC27 S/Steel Braided pigtail and test point adaptor - assembled, leak tested and packed ready for installation	5/16" SAE	2 x 450mm	7/16" Inverted Flare
6060533	Manual changeover regulator kit with metal bracket fitted, 2 x copper pigtails	-	2 x 450mm	7/16" Inverted Flare

### 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

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.



## **Bromic Dual Stage Regulator (Recommended installation configuration)**

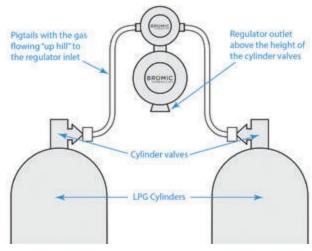


Figure 1. Recommended regulator installation configuration

- 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/NZS 5601 and AS/NZS 1596 installation guidelines and standards for gas fitting and relevant council regulations

## **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





Doub No.	Capacity	Danulatan	Bracket Manual		Pigtails		Connections	
Part No.	MJ/H	Regulator	Screws	Changeover	Copper	Flexible	INLET	OUTLET
6060504	2200	Υ	Υ	-	-	-	POL	1/2" NPT
6060505	1400	Υ	Υ	-	-	-	3/4" NPT	3/4" NPT
6060547	790	Υ	Υ	Optional	Optional	-	1/4" NPT	1/2" NPT
6060557	790	Υ	Υ	Υ	Υ	-	7/16" Inverted Flare	1/2" NPT

## **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.

Natural Gas Governor	Natural Gas Regulators - 1/2" or 3/4" BSP					
Part No. 6160595	Part No. 6160785	Part No. 6160788				



	Connection		Capacity		Specifications			
Part No.	INLET	OUTLET	MJ/H	Max. Inlet Pressure	Outlet Pressure	AGA Approval No.	Test Point Adaptor	
6160595 Natural Gas	1/2" BSP	1/2" BSP	78	5 kPa	Adjustable around 1kPa	5149	Integral test point	
6160785 Natural Gas	1/2" BSP	1/2" BSP	250	5 kPa	Adjustable 0.75 - 1.5 kPa	5862	Integral test point	
6160788 Natural Gas	3/4" BSP	3/4" BSP	250	5 kPa	Adjustable 0.75 - 1.5 kPa	5862	Integral test point	





	Conne	Connection		acity	Specifications			
Part No.	INLET	OUTLET MJ/H		Max. Inlet Pressure	Outlet Pressure	AGA Approval No.	Test Point Adaptor	
6160886 LPG	1/2" BSP	1/2" BSP	250	5 kPa	Adjustable around 2.75 kPa	5862	Integral test point	
6160888 LPG	3/4" BSP	3/4" BSP	250	5 kPa	Adjustable around 2.75 kPa	5862	Integral test point	

#### **Bromic Metal Bracket**

#### Part No. 6060992

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



### **Bromic Weather Kit**

#### Part No. 9999585

Suits most LPG regulators and LPG appliance installations



## **Bromic Drain Regulator Kit**

#### Part No. 6060920

Suits all LPG regulators and LPG appliance installations



### **Bromic Compliance Plate**

#### Part No. 9999950

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



### **Bromic Plastic Bracket & Screws**

#### Part No. 6060993

Universal plastic mounting bracket

Suits LPG (propane) regulators



## **Bromic Pigtail Adaptor**

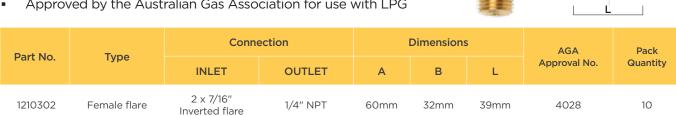
#### Part No. 5050420

- 1/4" NTP M x 7/16" Inverted Flare
- Copper pigtail adaptor suits all manual LPG regulators

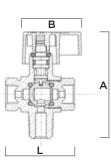


## **Bromic Manual Changeover Valve (LPG)**

- 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







## **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.



	Constitut		Hose Type	Conne	ections
Part No.	Capacity LPG at 2.8 kPa	Hose Length	(ID = Internal Diameter)	INLET	OUTLET
6260007H	2 kg/H	600mm	PVC / 8mm ID	POL	3/8" SAE F
6260009H	2 kg/H	900mm	PVC / 8mm ID	POL	1/4" BSP F
6260009H-27	2 kg/H	900mm	PVC / 8mm ID	LCC27	1/4" BSP F
6260006H	2 kg/H	600mm	PVC / 8mm ID	POL	1/4" BSP F
6260006H-27	2 kg/H	600mm	PVC / 8mm ID	LCC27	1/4" BSP F
6260212H	2 kg/H	1200mm	PVC / 8mm ID	POL	1/4" BSP F
6260212H-27	2 kg/H	1200mm	PVC / 8mm ID	LCC27	1/4" BSP F
6260218H	2 kg/H	1800mm	PVC / 8mm ID	POL	1/4" BSP F
6260218H-27	2 kg/H	1800mm	PVC / 8mm ID	LCC27	1/4" BSP F
6260702	2 kg/H	1200mm	Stainless Steel / 10mm ID	POL	1/4" BSP F
6260706H-27	2 kg/H	600mm	Stainless Steel / 10mm ID	LCC27	1/4" BSP F
6260709	2 kg/H	900mm	Stainless Steel / 10mm ID	POL	1/4" BSP F
6260708	2 kg/H	1800mm	Stainless Steel / 10mm ID	POL	1/4" BSP F
6260708-27	2 kg/H	1800mm	Stainless Steel / 10mm ID	LCC27	1/4" BSP F
6260712	2 kg/H	1200mm	Stainless Steel / 10mm ID	POL	3/8" SAE F
6260716	2 kg/H	600mm	Stainless Steel / 10mm ID	POL	3/8" SAE F
6260716-27	2 kg/H	600mm	Stainless Steel / 10mm ID	LCC27	3/8" SAE F
6260718	2 kg/H	1800mm	Stainless Steel / 10mm ID	POL	3/8" SAE F
6260718-27	2 kg/H	1800mm	Stainless Steel / 10mm ID	LCC27	3/8" SAE F
6260719	2 kg/H	900mm	Stainless Steel / 10mm ID	POL	3/8" SAE F
6260719-27	2 kg/H	900mm	Stainless Steel / 10mm ID	LCC27	3/8" SAE F

## **Pigtail Assemblies**

CLASS C

Bromic rubber 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
- AGA Approved
- High pressure, low temperature hose type
- Maximum working pressure 2.6 MPa
- Working temperature -20°C to +65°C
- Approved to AS/NZS 1869





### Flexible Rubber Pigtails - 6HPT

Part No.	Description	Length	Box Qty	AGA Approval No.
6HPT0450	7/16" - 24 Inverted Flare X POL	450mm	10	6409





Part No.	Description	Length	Box Qty	AGA Approval No.
6HPTH450	7/16" - 24 Inverted Flare X Handwheel POL	450mm	10	6409

## **Copper Pigtail Assemblies**

- High pressure, low temperature hose type
- Maximum working pressure 2.6 MPa
- Working temperature -20°C to +65°C

### **Copper Pigtails**

Part No.	Description	Length	Box Quantity
6360510		450mm	25
6360511	7/16" Inverted Flare X POL	600mm	10
6360514		750mm	10
6360512		1000mm	10

## **FLEXIBLE STAINLESS STEEL PIGTAILS**

### **Flexible Stainless Steel Pigtail Assemblies**

CLASS

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

- Class F Pigtail connector
- AGA Approved
- Maximum working pressure 2.6MPa
- Maximum hose length 600mm
- Working temperature -20°C to +100°C
- Approved to AS/NZS 1869







### Flexible Braided Stainless Steel Pigtails - 6SFN

Part No.	Description	Length	Box Qty	AGA Approval No.
6SFN0450	7/16" Inverted Flare	450mm	10	6223
6SFN0600	X POL	600mm	10	6223





## Flexible Braided Stainless Steel Pigtails - 6SHW

Part No.	Description	Length	Box Qty	AGA Approval No.
6SHW0450*	7/16" Inverted Flare	450mm	10	6223
6SHW0600	x Handwheel POL	600mm	10	6223





#### Flexible Braided Stainless Steel Pigtails - 6SCA

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



## Flexible Stainless Steel LCC27 Pigtail Assemblies

CLASS F

Bromic flexible stainless steel Class F LCC27 pigtail assemblies are manufactured in accordance with AS/NZS 1869 and approved by the Australian Gas Association for use with gas.

- Class F Pigtail connector
- AGA Approved
- Maximum working pressure 2.6MPa
- Maximum hose length 600mm
- Working temperature -20°C to +100°C
- Approved to AS/NZS 1869





#### Flexible Braided Stainless Steel Pigtails - 6LCC27

Part No.	Description	Length	Box Qty	AGA Approval No.
6LCC270450NPT	1/4" NPT M	450mm	10	6223
6LCC270600NPT	LCC27	600mm	10	6223

### Flexible Braided Stainless Steel Pigtails - 6LCC27



Part No.	Description	Length	Box Qty	AGA Approval No.
6LCC270450FLA	7/16"-24 Inverted Flare X LCC27	450mm	10	6223
6LCC270600FLA		600mm	10	6223

## **TEST POINT ADAPTORS**

### **Bromic Test Point Adaptors**



Part No.	Connection	Material	Suits Regulator	Box Qty
6160442	1/2" BSPP F x 1/2" BSPP F	Brass	*Sealing seat requires flat washer (Part No. 9390952)	10
6160452	1/2" BSPP F x 1/2" BSPP F	Brass	-	10
6160461	3/8" BSPP F x 3/8" NPT M	Brass	6160593	10
6160462	1/2" BSPP F x 1/2" BSPP M	Brass	6160595, 6160795, 6160796	10
6160505	1/8" BSP M	Brass	-	25
6160672	3/8" BSPP M x 5/16" SAE M & nut	Brass	6060520, 6060521, 6060522, 6060540, 6060544	10
6160673	3/8" BSPP M x 3/8" SAE M & nut	Brass	6060520, 6060521, 6060522, 6060540, 6060544	10
6160674	1/2" BSPP M x 1/2" SAE M & nut	Brass	6060523, 6060545	10
6160675	3/8" BSPP M x 1/2" SAE M & nut	Brass	6060520, 6060521, 6060522, 6060540, 6060544	10
6160676	1/2" BSPP M x 3/4" SAE M & 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) 2023, 'Test points are now required on gas systems' Petroleum and Gas Safety News, Section 82, pg. 62.

## **WARRANTIES & EXTRA**

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 our helpful customer service staff or visit bromicplumbing.com for more information.

#### **IMAGES, SPECIFICATIONS**

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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.

