



TESUCO
TECHNICAL SUPPLIES COMPANY

Regulators

QUALITY GAS EQUIPMENT

Blackwoods

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Our name Tesuco® comes from Technical Supplies Company.

We Thank You For Choosing Our Quality Gas Equipment

Beginning in 1988, Tesuco® has established itself as a specialist equipment supplier for all gas welding, heating and cutting applications. Tesuco® is proud to be 100% Australian owned and has been quality endorsed by SAI Global to the AS/NZS ISO 9001 Standard since 1995.

Tesuco® continues to introduce new and exciting products from the best Australian and overseas manufacturers. This booklet introduces you to our range of welding, heating and cutting equipment, available through our extensive distributor network both here and abroad.

Only trained operators may use this equipment.

Blackwoods

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Welding Specialists

Industrial

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Industrial Single Stage



RC1BOX10

RC1SOX10

OXYGEN

The oxygen regulators have been manufactured and tested to AS 4267. As well as passing the oxygen shock test, they have also passed the other more severe oxygen ignition test. They are manufactured from machined brass, are easily adjustable and have easy to read pressure gauges. The regulator is colour coded and marked as required in the standard.

Independently tested

- Oxygen shock test
- Oxygen promoted ignition test

PART NUMBER:	0173 6333	0190 4803	0218 8153
Mfr No.	RC1BOX10	RC1SOX10	RC1SOX4.5
Flow rate	80 m ³ /hr	80 m ³ /hr	80 m ³ /hr
<i>Note: flowrate @ 250 kPa outlet, 2,100 kPa inlet.</i>			
Inlet configuration	Bottom entry	Side entry	Side entry
Max. inlet pressure (p ₁)	20,000 kPa	20,000 kPa	20,000 kPa
Max. outlet pressure (p ₂)	1,000 kPa	1,000 kPa	450 kPa
Inlet connection	Type 10	Type 10	Type 10
Outlet connection	5/8-18 UNF-RH Male	5/8-18 UNF-RH Male	5/8-18 UNF-RH Male

i Meets AS 4267

ACETYLENE

Tesuco® acetylene regulators have been manufactured and tested to AS 4267. They are manufactured from machined brass, are easily adjustable and have easy to read pressure gauges. The regulator is colour coded and marked as required in the standard.

PART NUMBER:	0173 6316	0190 4735
Mfr No.	RC1BAC1.5	RC1SAC1.5
Flow rate	28.5 m ³ /hr	28.5 m ³ /hr
<i>Note: flowrate @ 134 kPa outlet, 300 kPa inlet.</i>		
Inlet configuration	Bottom entry	Side entry
Max. inlet pressure (p ₁)	2,500 kPa	2,500 kPa
Max. outlet pressure (p ₂)	150 kPa	150 kPa
Inlet connection	Type 20	Type 20
Outlet connection	5/8-18 UNF-LH Male	5/8-18 UNF-LH Male

i Meets AS 4267



RC1BAC1.5

RC1SAC1.5

Industrial Single Stage



LPG

The rear entry LPG regulators are designed so that the cylinder shroud is adequately cleared by the regulator outlet, so that flashback arrestors and hoses can be easily connected. They are manufactured from machined brass, are easily adjustable and have easy to read pressure gauges. The regulator is colour coded and marked as required in the standard.

RC1RLP4-3 is designed for air propane with high flowrates.

PART NUMBER:	0173 6367	0279 1761
Mfr No.	RC1RLP4	RC1RLP4-3
Flow rate	28.5 m ³ /hr	28.5 m ³ /hr
Inlet configuration	Rear entry	Rear entry
Max. inlet pressure (p ₁)	20,000 kPa	20,000 kPa
Max. outlet pressure (p ₂)	400 kPa	400 kPa
Inlet connection	Type 21	Type 21
Outlet connection	5/8-18 UNF-LH Male	3/8" BSP LH

i Meets AS 4267

MINI REGULATOR

The RCLPM4 model is designed with a "POL" type inlet connection. Made from solid brass it is compact in size to fit small cylinders. The outlet pressure is adjustable to 400 kPa with a maximum flow rate of 6 kg/h.

Designed for air propane equipment.



PART NUMBER:	0279 1778
Mfr No.	RCLPM4
Max. inlet pressure (p ₁)	1,000 kPa
Max. outlet pressure (p ₂)	400 kPa
Flow rate	6 kg/h

HELIUM BALLOON

A range of helium balloon regulators are available for the quick and simple inflation of balloons. The basic model connects directly to the cylinder and has the latest design tilt inflator on top. There is also a model that has a hand wheel for securing to the cylinder, a pressure gauge to show the cylinder contents and the latest design tilt inflator.

PART NUMBER:	0279 1795	0279 1829
Mfr No.	RCB	RCBH
Max. inlet pressure (p ₁)	20,000 kPa	20,000 kPa
Max. outlet pressure (p ₂)	350 kPa	350 kPa
Inlet connection	Type 10	Type 10 handwheel
Outlet connection	Balloon nozzle	Balloon nozzle



RCB

RCBH

Industrial Single Stage



RC1BIG10

RC1SIG10

INERT GAS

Tesuco® offers an Inert gas regulator for applications where argon is required for pressure applications rather than flow. It is available for vertical or side exit cylinder valves. They are manufactured from machined brass, are easily adjustable and have easy to read pressure gauges. The regulator is colour coded and marked as required in the standard.

PART NUMBER:	0279 1829	0279 1846
Mfr No.	RC1BIG10	RC1SIG10
Flow rate	80 m ³ /hr	80 m ³ /hr
<i>Note: flowrate @ 250 kPa outlet, 2,100 kPa inlet.</i>		
Inlet configuration	Bottom entry	Side entry
Max. inlet pressure (p_1)	20,000 kPa	20,000 kPa
Max. outlet pressure (p_2)	1,000 kPa	1,000 kPa
Inlet connection	Type 10	Type 10
Outlet connection	5/8-18 UNF-RH Male	5/8-18 UNF-RH Male

i Meets AS 4267

NITROGEN

The Tesuco® nitrogen regulators have been manufactured and tested to AS 4267. They are manufactured from machined brass, are easily adjustable and have easy to read pressure gauges. The regulator is colour coded and marked as required in the standard.

PART NUMBER:	0279 1863	0279 1880
Mfr No.	RC1BNI10	RC1SNI10
Flow rate	80 m ³ /hr	80 m ³ /hr
<i>Note: flowrate @ 250 kPa outlet, 2,100 kPa inlet.</i>		
Inlet configuration	Bottom entry	Side entry
Max. inlet pressure (p_1)	20,000 kPa	20,000 kPa
Max. outlet pressure (p_2)	1,000 kPa	1,000 kPa
Inlet connection	Type 50	Type 50
Outlet connection	5/8-18 UNF-RH Male	5/8-18 UNF-RH Male

i Meets AS 4267



RC1BNI10

RC1SNI10

Industrial Two Stage

Two Stage regulators incorporate all components and features of a single stage regulator. In addition, however, they also contain a second pressure adjusting spring; diaphragm; and valve and seat assembly, known as the "1st Stage". The first stage is not user adjustable it is "pre-set" at the factory. The "2nd stage" then performs in a manner similar to that of a single-stage regulator, except that the inlet pressure to the second stage is relatively constant.

Because of the two-step pressure reduction, final delivery pressure of a two-stage regulator is constant and shows little effect from changes in cylinder pressure.



RT2BAC1.5

RT2SAC1.5

ACETYLENE

Bottom & Side Entry

PART NUMBER:	0279 1897	0279 1948
Mfr No.	RT2BAC1.5	RT2SAC1.5
Flow rate	8.5 m ³ /hr	8.5 m ³ /hr
Inlet configuration	Bottom entry	Side entry
Max. inlet pressure (p_1)	2,500 kPa	2,500 kPa
Max. outlet pressure (p_2)	150 kPa	150 kPa
Inlet connection	Type 20	Type 20
Outlet connection	5/8-18 UNF-LH	5/8-18 UNF-LH

i Meets AS 4267

HYDROGEN

Bottom & Side Entry

PART NUMBER:	0279 1931	0279 1948
Mfr No.	RT2BHY10	RT2SHY10
Flow rate	140 m ³ /hr	140 m ³ /hr
Inlet configuration	Bottom entry	Side entry
Max. inlet pressure (p_1)	20,000 kPa	20,000 kPa
Max. outlet pressure (p_2)	1,000 kPa	1,000 kPa
Inlet connection	Type 20	Type 20
Outlet connection	5/8-18 UNF-LH	5/8-18 UNF-LH

i Meets AS 4267



RT2BHY10

RT2SHY10

Industrial Two Stage



LPG Bottom & Side Entry

PART NUMBER:	0279 1965	0279 1948
Mfr No.	RT2BLP04	RT2SLP04
Flow rate	13 m ³ /hr	13 m ³ /hr
Inlet configuration	Bottom entry	Side entry
Max. inlet pressure (p_1)	2,500 kPa	2,500 kPa
Max. outlet pressure (p_2)	400 kPa	400 kPa
Inlet connection	Type 21	Type 21
Outlet connection	5/8-18 UNF-LH	5/8-18 UNF-LH

i Meets AS 4267

Industrial Two Stage



INERT GAS Bottom & Side Entry

PART NUMBER:	0190 4752	0279 2033
Mfr No.	RT2BIG10	RT2SIG10
Flow rate	31 m ³ /hr	31 m ³ /hr
Inlet configuration	Bottom entry	Side entry
Max. inlet pressure (p_1)	20,000 kPa	20,000 kPa
Max. outlet pressure (p_2)	1,000 kPa	1,000 kPa
Inlet connection	Type 10	Type 10
Outlet connection	5/8-18 UNF-RH	5/8-18 UNF-RH

i Meets AS 4267



OXYGEN Bottom & Side Entry

Independently tested
 ■ Oxygen shock test

PART NUMBER:	0279 1999	0279 2016
Mfr No.	RT2BOX10	RT2SOX10
Flow rate	35 m ³ /hr	35 m ³ /hr
Inlet configuration	Bottom entry	Side entry
Max. inlet pressure (p_1)	20,000 kPa	20,000 kPa
Max. outlet pressure (p_2)	1,000 kPa	1,000 kPa
Inlet connection	Type 10	Type 10
Outlet connection	5/8-18 UNF-RH	5/8-18 UNF-RH

i Meets AS 4267



NITROGEN Side Entry, Type 50

PART NUMBER:	0279 2050	0279 2067
Mfr No.	RT2BNI10	RT2SNI10
Flow rate	31 m ³ /hr	31 m ³ /hr
Inlet configuration	Bottom entry	Side entry
Max. inlet pressure (p_1)	20,000 kPa	20,000 kPa
Max. outlet pressure (p_2)	1,000 kPa	1,000 kPa
Inlet connection	Type 50	Type 50
Outlet connection	5/8-18 UNF-RH	5/8-18 UNF-RH

i Meets AS 4267

Welding Gases

Single Stage

ARGON FOR ARGON & ARGON MIXTURES

The Tesuco® range of argon shielding gas regulators caters for both vertical and side cylinder valves. They are available in both flow gauge style and a set pressure with flowmeter combination. They are manufactured from machined brass, are easily adjustable and have easy to read pressure gauges. The regulator is colour coded and marked as required in the standard.



FLOW GAUGE Bottom Entry

PART NUMBER:	0173 6299
Mfr No.	RC1BARFG
Flowrate	0 - 35 L/min
Inlet configuration	Bottom entry
Max. inlet pressure (p_1)	20,000 kPa
Inlet connection	Type 10
Outlet connection	5/8-18 UNF-RH Male

i Meets AS 4267



FLOW GAUGE Side Entry

PART NUMBER:	0267 4189
Mfr No.	RC1SARFG
Flowrate	0 - 35 L/min
Inlet configuration	Side entry
Max. inlet pressure (p_1)	20,000 kPa
Inlet connection	Type 10
Outlet connection	5/8-18 UNF-RH Male

i Meets AS 4267

Welding Gases

Single Stage



SET PRESSURE Bottom Entry

PART NUMBER:	0267 4053
Mfr No.	RC1BARSP
Inlet configuration	Bottom entry
Max. inlet pressure (p_1)	20,000 kPa
Set pressure	200 kPa
Inlet connection	Type 10
Outlet connection	5/8-18 UNF-RH Male

i Meets AS 4267



SET PRESSURE Bottom Entry with Flowmeter

PART NUMBER:	0267 4172
Mfr No.	RC1BARFM
Flowrate	0 - 25 L/min
Inlet configuration	Bottom entry
Max. inlet pressure (p_1)	20,000 kPa
Inlet connection	Type 10
Outlet connection	5/8-18 UNF-RH Male

i Meets AS 4267



SET PRESSURE Bottom Entry with Two Flowmeters

PART NUMBER:	0279 2084
Mfr No.	RC1BAR2FM
Flowrate	0 - 25 L/min
Inlet configuration	Bottom entry
Max. inlet pressure (p_1)	20,000 kPa
Inlet connection	Type 10
Outlet connection	5/8-18 UNF-RH Male

i Meets AS 4267

Welding Gases

Single Stage



SET PRESSURE

Side Entry

PART NUMBER:	0267 4240
Mfr No.	RC1SARSP
Inlet configuration	Side entry
Max. inlet pressure (p_1)	20,000 kPa
Set pressure	200 kPa
Inlet connection	Type 10
Outlet connection	5/8-18 UNF-RH Male

i Meets AS 4267

Welding Gases

Single Stage

CARBON DIOXIDE

The Tesuco® range of carbon dioxide shielding gas regulators caters for side exit cylinder valves. They are available in both flow gauge style and a set pressure with flowmeter combination. They are manufactured from machined brass, are easily adjustable and have easy to read pressure gauges. The regulator is colour coded and marked as required in the standard.



FLOW GAUGE

CO₂

PART NUMBER:	0279 2118
Mfr No.	RC1SCDFG
Flow rate	0 - 35 L/min
Inlet configuration	Side entry
Max. inlet pressure (p_1)	20,000 kPa
Inlet connection	Type 30
Outlet connection	5/8-18 UNF-RH Male

i Meets AS 4267



SET PRESSURE

Side Entry with Flowmeter

PART NUMBER:	0267 4155
Mfr No.	RC1SARFM
Flowrate	0 - 25 L/min
Inlet configuration	Side entry
Max. inlet pressure (p_1)	20,000 kPa
Inlet connection	Type 10
Outlet connection	5/8-18 UNF-RH Male

i Meets AS 4267



SET PRESSURE

Side Entry with Two Flowmeters

PART NUMBER:	0279 2101
Mfr No.	RC1SAR2FM
Flowrate	0 - 25 L/min
Inlet configuration	Side entry
Max. inlet pressure (p_1)	20,000 kPa
Inlet connection	Type 10
Outlet connection	5/8-18 UNF-RH Male

i Meets AS 4267

Welding Gases

Single Stage



SET PRESSURE CO₂

PART NUMBER:	0279 2135
Mfr No.	RC1SCDSP
Inlet configuration	Side entry
Max. inlet pressure (p_i)	20,000 kPa
Set pressure	200 kPa
Inlet connection	Type 30
Outlet connection	5/8-18 UNF-RH Male

i Meets AS 4267

Welding Gases

Single Stage

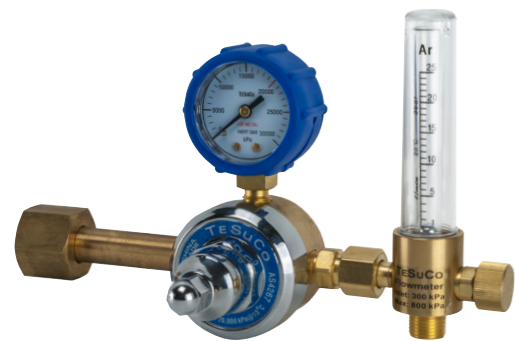
ARGON HEAT SINK

The heat sink style regulator is designed for argon shielding gas mixtures where high flows are required. The special design prevents freezing of the regulator without the use of a heater. It is pressure compensated to ensure accurate flow meter readings. The outlet is a standard 5/8-18 UNF-RH connection so a combination of flow meters and T pieces can be fitted.



SET PRESSURE

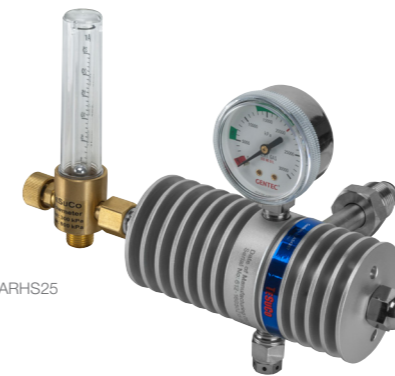
PART NUMBER:	0279 2169
Mfr No.	RG1SARHS
Flow rate	100 L/min
Max. inlet pressure (p_i)	20,000 kPa
Inlet connection	Type 10
Outlet connection	5/8-18 UNF-RH Male



SET PRESSURE CO₂ with Flowmeter

PART NUMBER:	0279 2152
Mfr No.	RC1SCDFM
Flow rate	0 - 25 L/min
Inlet configuration	Side entry
Max. inlet pressure (p_i)	20,000 kPa
Inlet connection	Type 30
Outlet connection	5/8-18 UNF-RH Male

i Meets AS 4267



RG1SARHS25

SET PRESSURE With Flowmeter

PART NUMBER:	0279 2186	0279 2203
Mfr No.	RG1SARHS25	RG1SARHS40
Outlet configuration	1 x 25 L/min Flowmeter	1 x 40 L/min Flowmeter
Max. inlet pressure (p_i)	20,000 kPa	20,000 kPa
Inlet connection	Type 10	Type 10
Outlet connection	5/8-18 UNF-RH Male	5/8-18 UNF-RH Male



RG1SARHS25T

SET PRESSURE With Two Flowmeters

PART NUMBER:	0279 2220	0279 2237
Mfr No.	RG1SARHS25T	RG1SARHS40T
Outlet configuration	2 x 25 L/min Flowmeters	2 x 40 L/min Flowmeters
Max. inlet pressure (p_i)	20,000 kPa	20,000 kPa
Inlet connection	Type 10	Type 10
Outlet connection	5/8-18 UNF-RH Male	5/8-18 UNF-RH Male

Welding Gases

Single Stage

CARBON DIOXIDE HEAT SINK

The heat sink style regulator is designed for carbon dioxide shielding gas mixtures where high flows are required. The special design prevents freezing of the regulator without the use of a heater. It is pressure compensated to ensure accurate flow meter readings. The outlet is a standard 5/8-18 UNF-RH connection so a combination of flow meters and T pieces can be fitted.



SET PRESSURE

PART NUMBER:	0267 4257
Mfr No.	RG1SCDHS
Flowrate	100 L/min
Max. inlet pressure (p_1)	20,000 kPa
Outlet set pressure	300 kPa
Inlet connection	Type 30
Outlet connection	5/8-18 UNF-RH Male

Welding Gases

Flowmeters & Restrictors

FLOWMETERS

Flowmeters are used for precise flow control of the shielding gas to the MIG gun nozzle in welding applications. Tesuco® has two in the range. One is 0-25 L/min for TIG and smaller flow MIG applications and the other is a 0-40 L/min for the larger flow MIG applications.



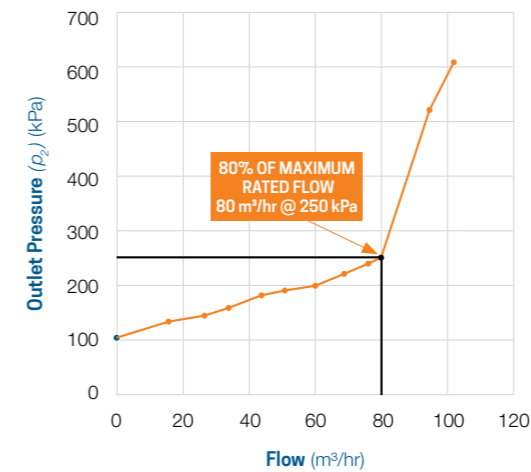
RCFL40

PART NUMBER:	0267 4206	0267 4223
Mfr No.	RCFL25	RCFL40
Max. working pressure	800 kPa	
Inlet connection	5/8-18 UNF-RH Female	
Outlet connection	5/8-18 UNF-RH Male	

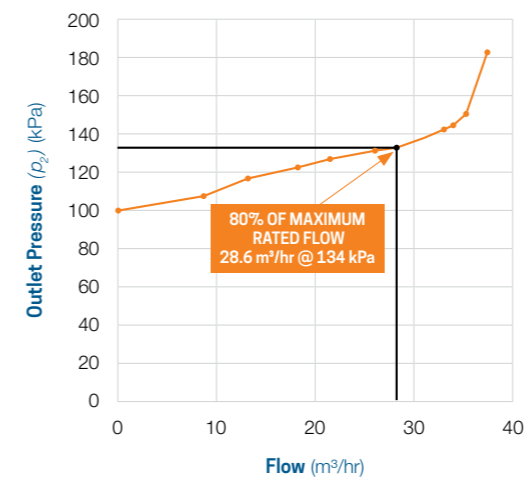
SINGLE STAGE

RC Series

Oxygen/Inert/Permanent Gases



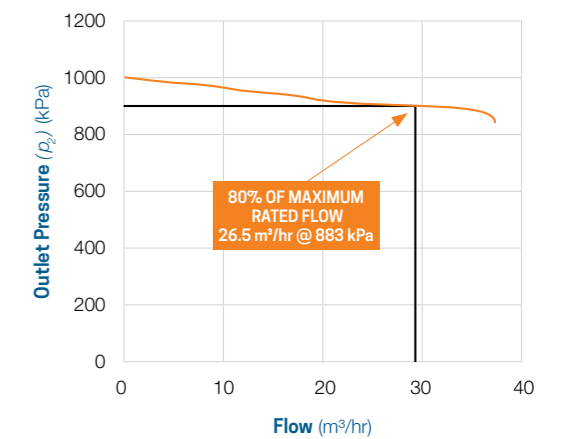
Acetylene



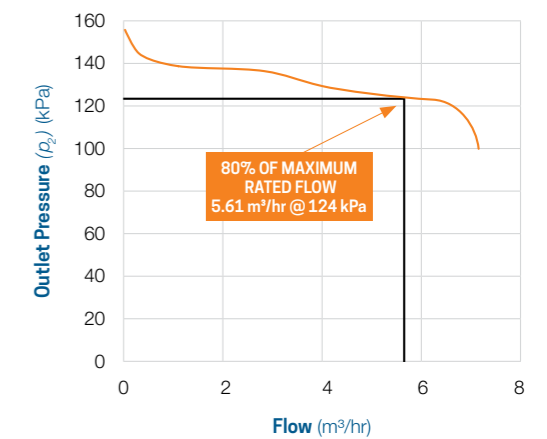
TWO STAGE

RT Series

Oxygen/Inert/Permanent Gases



Acetylene



SET PRESSURE

With Flowmeter

PART NUMBER:	0279 2264	0279 2271
Mfr No.	RG1SCDHS25	RG1SCDHS40
Outlet configuration	1 x 25 L/min Flowmeter	1 x 40 L/min Flowmeter
Max. inlet pressure (p_1)	20,000 kPa	20,000 kPa
Outlet set pressure	300 kPa	300 kPa
Inlet connection	Type 30	Type 30
Outlet connection	5/8-18 UNF-RH Male	5/8-18 UNF-RH Male

SET PRESSURE

With Two Flowmeters

PART NUMBER:	0279 2288	0279 2305
Mfr No.	RG1SCDHS25T	RG1SCDHS40T
Outlet configuration	2 x 25 L/min Flowmeters	2 x 40 L/min Flowmeters
Max. inlet pressure (p_1)	20,000 kPa	20,000 kPa
Outlet set pressure	300 kPa	300 kPa
Inlet connection	Type 30	Type 30
Outlet connection	5/8-18 UNF-RH Male	5/8-18 UNF-RH Male

RG1SCDHS25

RG1SCDHS25T

High Pressure Single Stage



PISTON STYLE

This professional piston style regulator has a rugged brass construction with large easy to read dual scale kPa/psi) pressure gauges with gauge protectors fitted. The regulator is colour coded and engraved or labelled with all the requirements of the standard AS 4267. This regulator has been designed specifically for the air conditioning and refrigeration industries.

PART NUMBER:	0279 2322
Mfr No.	RI1SNI60C
Flow rate	150 m ³ /hr
<i>Note: flowrate @ 6,000 kPa outlet, 20,000 kPa inlet.</i>	
Inlet configuration	Side entry
Gas service	Nitrogen
Max. inlet pressure (p₁)	30,000 kPa
Max. outlet pressure (p₂)	6,000 kPa
Inlet connection	Type 50

i Meets AS 4267

High Pressure Single Stage

Tesuco high pressure regulator are designed for precise gas control at high inlet and delivery pressures rating up to 30,000kPa. Superior performance and safety features include:

- Piston-type construction
- Body and bonnet are machined from "A" Class brass
- Delrin cap bushing for controlled pressure adjustments
- 50mm Dual scale pressure gauges (kPa - psi)



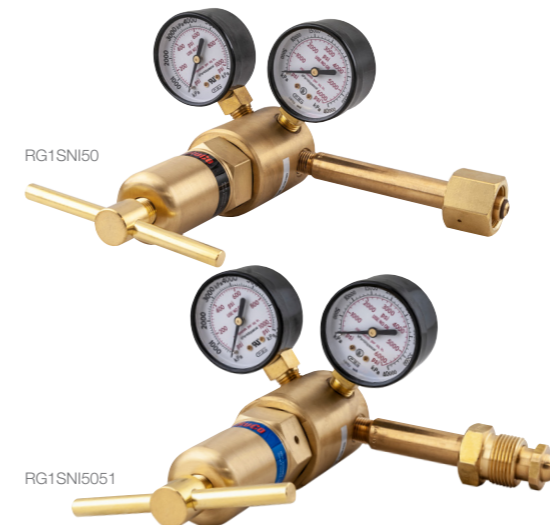
PART NUMBER:	0279 2356
Mfr No.	RG1SOX50
Flow rate	135 m ³ /hr
Inlet configuration	Side entry
Gas service	Oxygen
Max. inlet pressure (p₁)	20,000 kPa
Max. outlet pressure (p₂)	5,000 kPa
Inlet connection	Type 10
Outlet connection	1/4" NPT Female

NITROGEN 6,000 kPa REGULATOR & TEST GAUGE KIT

The same professional regulator, with the hand wheel tightening feature supplied as a kit with the refrigeration test gauge, all in a sturdy IP55 rated plastic storage case with a foam insert to keep the regulator and test gauge safe from damage.

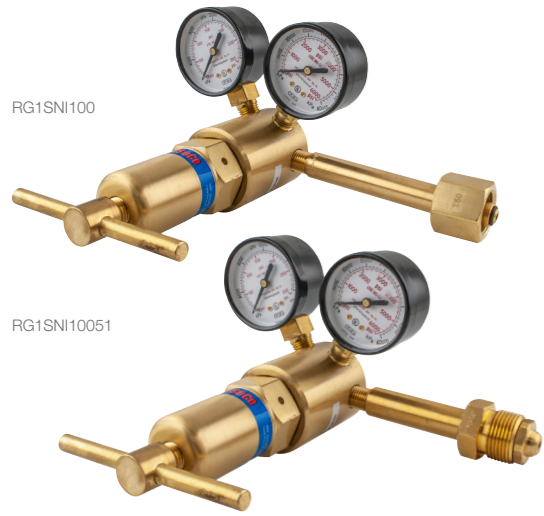
MFR NO.	PART NUMBER:
RI1SNI60CTG	0279 2339

i Meets AS 4267



PART NUMBER:	0279 2373	0279 2390
Mfr No.	RG1SNI50	RG1SNI5051
Flow rate	135 m ³ /hr	135 m ³ /hr
Inlet configuration	Side entry	Side entry
Gas service	Nitrogen	Nitrogen
Max. inlet pressure (p₁)	40,000 kPa	40,000 kPa
Max. outlet pressure (p₂)	5,000 kPa	5,000 kPa
Inlet connection	Type 50	Type 51
Outlet connection	1/4" NPT Female	1/4" NPT Female

High Pressure Single Stage



RG1SNI100

RG1SNI10051

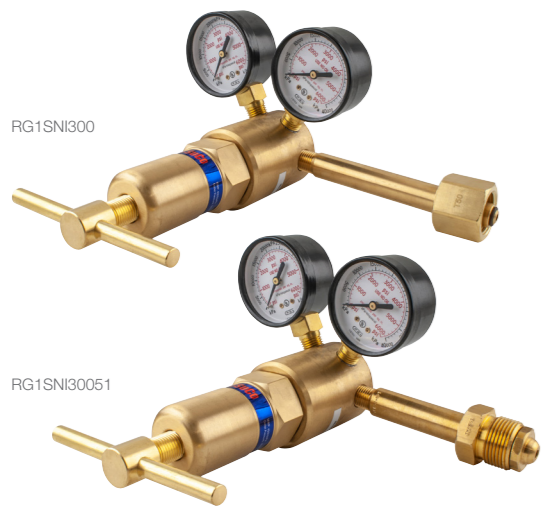
PART NUMBER:	0190 4905	0279 2407
Mfr No.	RG1SNI100	RG1SNI10051
Flow rate	340 m ³ /hr	340 m ³ /hr
Inlet configuration	Side entry	Side entry
Gas service	Nitrogen	Nitrogen
Max. inlet pressure (p ₁)	40,000 kPa	40,000 kPa
Max. outlet pressure (p ₂)	10,000 kPa	10,000 kPa
Inlet connection	Type 50	Type 51
Outlet connection	¼" NPT Female	¼" NPT Female



RG1SNI200

RG1SNI20051

PART NUMBER:	0279 2424	0192 4820
Mfr No.	RG1SNI200	RG1SNI20051
Flow rate	360 m ³ /hr	360 m ³ /hr
Inlet configuration	Side entry	Side entry
Gas service	Nitrogen	Nitrogen
Max. inlet pressure (p ₁)	40,000 kPa	40,000 kPa
Max. outlet pressure (p ₂)	20,000 kPa	20,000 kPa
Inlet connection	Type 50	Type 51
Outlet connection	¼" NPT Female	¼" NPT Female



RG1SNI300

RG1SNI30051

PART NUMBER:	0279 2441	0279 2458
Mfr No.	RG1SNI300	RG1SNI30051
Flow rate	360 m ³ /hr	360 m ³ /hr
Inlet configuration	Side entry	Side entry
Gas service	Nitrogen	Nitrogen
Max. inlet pressure (p ₁)	40,000 kPa	40,000 kPa
Max. outlet pressure (p ₂)	30,000 kPa	30,000 kPa
Inlet connection	Type 50	Type 51
Outlet connection	¼" NPT Female	¼" NPT Female

High Pressure Single Stage



HEATER REGULATOR

- Regulator is preset at 20,000 kPa
- Thermostatically-controlled built-in electric heater keeps the CO₂ warm and provides continuous duty cycle without freezing
- 2 1/2" gauges for easy reading
- Forged brass body and housing cap
- Sintered bronze inlet filter

PART NUMBER:	0279 2475
Mfr No.	RG1SHR
Flow rate	50 m ³ /hr
<i>Note: flowrate @ 15°C</i>	
Max. inlet pressure (p ₁)	20,000 kPa
Max. outlet pressure (p ₂)	1,300 kPa
Inlet connection	Type 30
Outlet connection	G 1/2" RH Male
Heater	1200 W / 220 V
Weight	4.4 kg



RG2SAI40

4,000 kPa Dual Stage

This side entry dual stage regulator has a two stage piston design for high inlet, high outlet pressure and provides a high gas flow. It is designed to deliver this high outlet pressure in an extremely stable way, making it ideal for laser applications. The body and first stage is made completely from fully machined brass bar stock and is extremely rugged and reliable.

PART NUMBER:	0267 4138	0190 4956
MFR NO.	RG2SAI40	RG2SNI40
Flow rate	100 m ³ /hr	100 m ³ /hr
<i>Note: flowrate @ 3,500 kPa outlet, 20,000 kPa inlet.</i>		
Gas service	Air	Nitrogen
Max. inlet pressure (p ₁)	30,000 kPa	30,000 kPa
Max. outlet pressure (p ₂)	4,000 kPa	4,000 kPa
Inlet connection	Type 60	Type 50
Outlet connection	¼" NPT Female	¼" NPT Female

Other gas types are available upon request.

Beverage

Post Mix/Post Mix & Beer Combinations



SINGLE STAGE Cylinder Mount

PART NUMBER:	0279 2492		
Mfr No.	RC1SCD04R		
Max. working pressure	20,000 kPa		
Delivery pressure	0 - 400 kPa		
Inlet	Type 30 stem and nut		
Outlet	5/8-18 UNF RH with nut and 5 mm hose barb		
Relief valve	High volume set at 440 kPa		
Flow rate	kPa	m³/hr	L/min
<i>Indicative only and based on flow recorded in air through the non-return valve at the outlet. For CO₂ x 0.808.</i>			
	100	4.4	73
	350	15.88	265

i Meets AS 4267



SINGLE STAGE One Gauge

For disposable gas cylinders

PART NUMBER:	0279 2509		
Mfr No.	R1MCD4P		
Gas service	Carbon Dioxide		
Max. working pressure	13,000 kPa		
Delivery pressure	0 - 400 kPa		
Inlet connection	M10 x 1		
Outlet connection	1/4" push fit		
Relief valve	Set at 440 kPa		

For Disposable Gas Cylinders

Regulators



MICRO REGULATOR

PART NUMBER:	0279 2526
Mfr No.	OTMRIGP5
Gas service	Inert Gas
Max. working pressure	13,000 kPa
Delivery pressure	0 - 10 L/min
Inlet connection	M10 x 1
Outlet connection	5/8-18 UNF-RH Male



NITROGEN REGULATOR

FEATURES

- Outlet pressure gauge
- Cylinder contents gauge
- Adjustable pressure
- Suitable for nitrogen and leakxpose® disposable cylinders

PART NUMBER:	0279 3543
Mfr No.	RG1MNI15
Maximum inlet pressure (p₁)	15,000 kPa
Maximum outlet pressure (p₂)	1,500 kPa
Inlet type	M10 x 1
Outlet type	1/4" SAE flare
Pressure gauge	2
Pressure	0 - 1,500 kPa



NITROGEN REGULATOR

A small, very high outlet pressure regulator designed for use with disposable cylinders containing nitrogen or nitrogen / hydrogen mixtures (LeakXpose®). It is used for the convenient, high pressure testing of air conditioning and refrigeration systems. Used with LeakXpose®, it can be used for leak detection in domestic, commercial and automotive air conditioning systems, or refrigeration systems. Combined with disposable gas cylinders it is especially suited to on site testing and leak detection.

PART NUMBER:	0279 2560
Mfr No.	R11SNI60M10
Flow rate	50 m ³ /hr
Inlet configuration	Side
Maximum inlet pressure (p₁)	14,500 kPa
Maximum outlet pressure (p₂)	6,000 kPa
Inlet connection	M10 x 1
Outlet connection	1/4 SAE Flare RH

Hydroponic Regulators

Carbon dioxide delivery systems are designed for Hydroponic installations, where the introduction of regular amounts of CO₂ gas enhance the plants growth. The systems comprise of a regulator, a solenoid valve (with 240 volt connection). Simply plug into a timer set for your delivery intervals, set the L/min of gas required and every time the timer activates a measured supply of gas is delivered into the enclosure.



RC1SCDFGVS



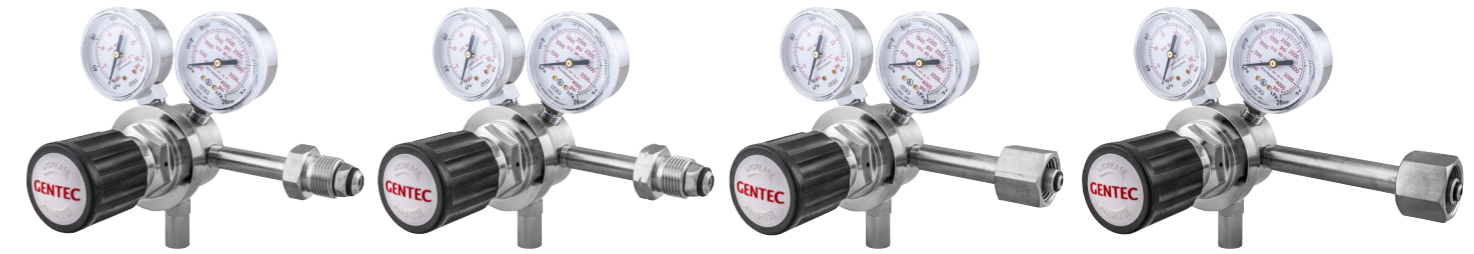
RC1SCDFMSV

HYDROPONIC REGULATORS

For type 30 re-fillable CO₂ cylinders

PART NUMBER:	0279 2577	0279 2594
Mfr No.	RC1SCDFGVS	RC1SCDFMSV
Gas service	CO ₂	CO ₂
Max. working pressure (p ₁)	20,000 kPa	20,000 kPa
Delivery pressure	0 - 35 L/min	0 - 25 L/min
Inlet connection	Type 30	Type 30
Outlet connection	5/8-18 UNF-RH Male	5/8-18 UNF-RH Male
Solenoid valve	230 V / 50 Hz	230 V / 50 Hz
Timer	Not included	Not included

Scientific High Purity, Single Stage



GR1CANARA100

GR1CANMEA200

GR1CANNIA600

GR1CANAI700

PART NUMBER:	0279 2611	0279 2628	0279 2645	0279 2662
Mfr No.	GR1CANARA100	GR1CANMEA200	GR1CANNIA600	GR1CANAI700
Flow rate	20 m ³ /hr	20 m ³ /hr	20 m ³ /hr	20 m ³ /hr
Purity	6.0 (99.9999%)	6.0 (99.9999%)	6.0 (99.9999%)	6.0 (99.9999%)
Body material	Chrome plated brass	Chrome plated brass	Chrome plated brass	Chrome plated brass
Inlet configuration	Side entry	Side entry	Side entry	Side entry
Max. inlet pressure (p ₁)	20,000 kPa	20,000 kPa	20,000 kPa	20,000 kPa
Max. outlet pressure (p ₂)	170 kPa	170 kPa	170 kPa	170 kPa
Inlet connection	Type 10	Type 20	Type 50	Type 60
Gas code	Argon	Methane	Nitrogen	Air
Outlet connection	1/4" NPT Female	1/4" NPT Female	1/4" NPT Female	1/4" NPT Female



GR1CBOARA100

GR1CBOHYA200

GR1CBOCDA300

GR1CBOXA100

PART NUMBER:	0279 2679	0279 4804	0279 2696	0279 2713	0279 2730
Mfr No.	GR1CBOARA100	GR1CBOHYA200	GR1CBOCDA300	GR1CBOA600	GR1CBOXA100
Flow rate	70 m ³ /hr	70 m ³ /hr	70 m ³ /hr	70 m ³ /hr	70 m ³ /hr
Purity	6.0 (99.9999%)	6.0 (99.9999%)	6.0 (99.9999%)	6.0 (99.9999%)	6.0 (99.9999%)
Body material	Chrome plated brass	Chrome plated brass	Chrome plated brass	Chrome plated brass	Chrome plated brass
Inlet configuration	Side entry	Side entry	Side entry	Side entry	Side entry
Max. inlet pressure (p ₁)	30,000 kPa	30,000 kPa	30,000 kPa	30,000 kPa	30,000 kPa
Max. outlet pressure (p ₂)	680 kPa	680 kPa	680 kPa	680 kPa	680 kPa
Inlet connection	Type 10	Type 20	Type 50	Type 50	Type 10
Gas code	Argon	Hydrogen	Carbon dioxide	Nitrogen	Oxygen
Outlet connection	1/4" NPT Female	1/4" NPT Female	1/4" NPT Female	1/4" NPT Female	1/4" NPT Female

Scientific

High Purity, Single Stage



PART NUMBER:	0279 2747	0279 4821	0279 2764
Mfr No.	GR1CBPCDA300	GR1CBPNIA600	GR1CBPOXA100
Flow rate	100 m ³ /hr	100 m ³ /hr	100 m ³ /hr
Purity	6.0 (99.9999%)	6.0 (99.9999%)	6.0 (99.9999%)
Body material	Chrome plated brass	Chrome plated brass	Chrome plated brass
Inlet configuration	Side entry	Side entry	Side entry
Max. inlet pressure (p ₁)	30,000 kPa	30,000 kPa	30,000 kPa
Max. outlet pressure (p ₂)	1,700 kPa	1,700 kPa	1,700 kPa
Inlet connection	Type 30	Type 50	Type 10
Gas code	Carbon dioxide	Nitrogen	Oxygen
Outlet connection	1/4" NPT Female	1/4" NPT Female	1/4" NPT Female

Scientific

High Purity, Dual Stage



PART NUMBER:	0279 2798	0279 4838	0279 2815
Mfr No.	GR2CBNHEA100	GR2CBNCDA304	GR2CBNIA60B
Flow rate	10 m ³ /hr	10 m ³ /hr	10 m ³ /hr
Purity	6.0 (99.9999%)	6.0 (99.9999%)	6.0 (99.9999%)
Body material	Chrome plated brass	Chrome plated brass	Chrome plated brass
Inlet configuration	Side entry	Side entry	Side entry
Max. inlet pressure (p ₁)	30,000 kPa	30,000 kPa	30,000 kPa
Max. outlet pressure (p ₂)	170 kPa	170 kPa	170 kPa
Inlet connection	Type 10	Type 30	Type 50
Gas code	Helium	Carbon dioxide	Nitrogen
Outlet connection	1/4" NPT Female	1/4" Compression fitting	3/8" Hose barb



PART NUMBER:	0279 2781
Mfr No.	GR1CBRNIA600
Flow rate	100 m ³ /hr
Purity	6.0 (99.9999%)
Body material	Chrome plated brass
Inlet configuration	Side entry
Max. inlet pressure (p ₁)	30,000 kPa
Max. outlet pressure (p ₂)	3,440 kPa
Inlet connection	Type 50
Gas code	Nitrogen
Outlet connection	1/4" NPT Female

Other gas types are available upon request.

Full stainless steel regulators for corrosive gas are also available.



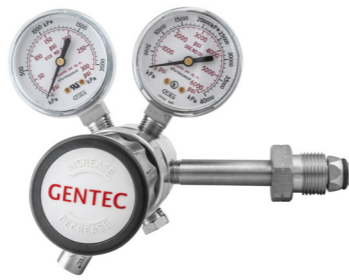
PART NUMBER:	0279 2832	0279 4872	0279 2849
Mfr No.	GR2CBOHEA100	GR2CBONIA602	GR2CBOXA100
Flow rate	20 m ³ /hr	20 m ³ /hr	20 m ³ /hr
Purity	6.0 (99.9999%)	6.0 (99.9999%)	6.0 (99.9999%)
Body material	Chrome plated brass	Chrome plated brass	Chrome plated brass
Inlet configuration	Side entry	Side entry	Side entry
Max. inlet pressure (p ₁)	30,000 kPa	30,000 kPa	30,000 kPa
Max. outlet pressure (p ₂)	680 kPa	680 kPa	680 kPa
Inlet connection	Type 10	Type 50	Type 10
Gas code	Helium	Nitrogen	Oxygen
Outlet connection	1/4" NPT Female	1/2" Compression fitting	1/4" NPT Female

Scientific

High Purity, Dual Stage



GR2CBPHEA108



GR2CBPHYA200

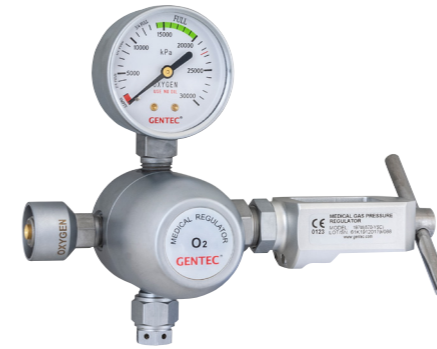
PART NUMBER:	0279 2866	0279 4889	0279 2883	0279 2900
Mfr No.	GR2CBPHEA108	GR2CBPHYA200	GR2CBPNIA600	GR2CBPOXA100
Flow rate	25 m ³ /hr	25 m ³ /hr	25 m ³ /hr	25 m ³ /hr
Purity	6.0 (99.9999%)	6.0 (99.9999%)	6.0 (99.9999%)	6.0 (99.9999%)
Body material	Chrome plated brass	Chrome plated brass	Chrome plated brass	Chrome plated brass
Inlet configuration	Side entry	Side entry	Side entry	Side entry
Max. inlet pressure (P ₁)	30,000 kPa	30,000 kPa	30,000 kPa	30,000 kPa
Max. outlet pressure (P ₂)	1,700 kPa	1,700 kPa	1,700 kPa	1,700 kPa
Inlet connection	Type 10	Type 20	Type 50	Type 10
Gas code	Helium	Hydrogen	Nitrogen	Oxygen
Outlet connection	1/8" Compression fitting	1/4" NPT Female	1/4" NPT Female	1/4" NPT Female

Other gas types are available upon request.

Full stainless steel regulators for corrosive gas are also available.

Medical

Standard



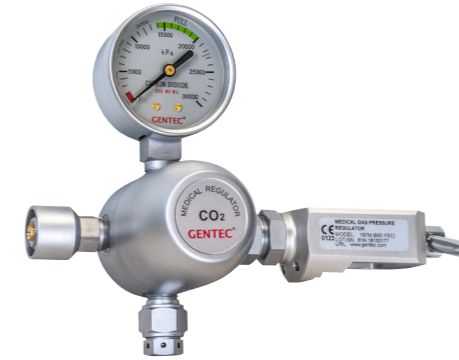
197M-870-YSC



197M-950-YSC



197M-910-YSC



197M-940-YSC



197M-965-YSC

STANDARD

The 197M regulators are fabricated of high-quality brass and have a Matte Chrome body. Key features include, adjustable yoke system, easy to read pressure gauge made to AS 4706, Self-Sealing outlet makes sure no gas will flow until the flowmeter is connected. Pin index yoke 'T' screw includes a clip to prevent it from being removed completely. Regulator comes with a manual and a one year warranty against manufacturers defect. The 197M Regulators are listed on the Australian Register of Therapeutic Goods (ARTG).

PART NUMBER:	0279 2917	0279 2951	0279 4906	0279 2934	0279 2968
Mfr No.	197M-870-YSC	197M-950-YSC	197M-910-YSC	197M-940-YSC	197M-965-YSC
Gas service	Medical oxygen	Medical air	Nitrous oxide	Carbon dioxide	50/50 Oxy/nitrous oxide
Set pressure	400 kPa	400 kPa	400 kPa	400 kPa	400 kPa
Q1 Valve	130 L/min	130 L/min	130 L/min	130 L/min	130 L/min
Max. flow	300 L/min	300 L/min	300 L/min	300 L/min	300 L/min

i Meets AS 3840.1

Medical Click Style



286MB-15LYA

VARIABLE CLICK STYLE THERAPY REGULATORS

These click flow regulators are manufactured with a chrome plated brass body, with brass chamber. These Regulators are listed on the Australian Register of Therapeutic Goods, comply with all relevant Australian Standards*, and have passed the oxygen flammability test.

**Note: Flow tolerances required by AS 3840 are such that at 1/32 and 1/16 Lpm the tolerances are lower than the repeatability achievable between different test equipment or operators.*

PART NUMBER:	0279 2985	0279 3002	0279 3019	0279 3036
Mfr No.	286MB-4LYE	286MB-8LYA	286MB-15LYA	286MB-25LYA
Gas service	Medical oxygen	Medical oxygen	Medical oxygen	Medical oxygen
Max. inlet pressure (p _i)	3000 psi	3000 psi	3000 psi	3000 psi
Set pressure	400 kPa	400 kPa	400 kPa	400 kPa
Flowrate	4 L/min	8 L/min	15 L/min	25 L/min
Flow selection settings	0, 1/32, 1/16, 1/8, 1/4, 0.50, 0.75, 1, 1.5, 2, 3, 4 L/min	0, 0.5, 1, 1.5, 2, 2.5, 3, 4, 5, 6, 7, 8 L/min	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10, 15 L/min	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25 L/min
Outlet	1 x hosebarb (flow controlled)	1 x hosebarb (flow controlled)	1 x hosebarb (flow controlled)	1 x hosebarb (flow controlled)

i Meets AS 3840.1



PART NUMBER:	0279 3053
Mfr No.	286MB-25LY2A
Gas service	Medical oxygen
Max. inlet pressure (p _i)	3000 psi
Set pressure	400 kPa
Flowrate	8 L/min
Flow selection settings	0, 0.5, 1, 2, 3, 4, 5, 6, 8, 10, 15, 25 L/min
Outlet	1 x hosebarb (flow controlled) 2 SiS outlets (full flow)

Medical Flowmeters



PART NUMBER:	0279 3070
Mfr No.	FM197BS-15L-SISR
Gas service	Medical oxygen
Full scale	15 L/min
Max. flowrate	Restricted to 16 - 18 L/min
Outlet fitting	1/4" BSP male
Calibration pressure	400 kPa
Safety relief valve	Built in
Hose barb	Supplied
User manual	Supplied
Warranty	5 Years (manufacturers defect)

i Meets Australian Standards



PART NUMBER:	0279 3087
Mfr No.	FM197M-950-YSC
Gas service	Medical air
Full scale	15 L/min
Max. flowrate	Restricted to 16 - 18 L/min
Outlet fitting	1/4" BSP male
Calibration pressure	400 kPa
Safety relief valve	Built in
Hose barb	Supplied
User manual	Supplied
Warranty	5 Years (manufacturers defect)

i Meets Australian Standards



CLICK STYLE FLOWMETER

The CFM Series Flowmeters are a compact click adjustable flowmeter with an aluminium casing. The outlet is 1/4" BSP with a standard hose nipple with gas specific colouring. The units are TGA Listed.

PART NUMBER:	0279 3104
Mfr No.	CFM-15L-SIS
Gas service	Medical oxygen
Calibration	50 psi
Outlet fitting	1/4" BSP male
Flow rate settings	0, 0.5, 1, 2, 3, 4, 5, 6, 7, 8, 10 & 15 L/min

Medical Flowmeters



OXYGEN SUPPLY MANIFOLD

The DST Oxygen Supply Manifold is designed for EMS and mass casualty situations where multiple patients require oxygen simultaneously. The unit can be connected to wall outlets, or cylinders for portability and provide consistent pressure with individually selectable flow rates. The unit is available in 5, 7 or 9 flowmeter models. The supply hose provided is 3m but can be varied to customer requirements.

The units are manufactured according to CE requirements and are compliant to EN 13220.

MFR NO.	PART NUMBER:
DST-7-15L	0279 3121

Medical Accessories



KEY WRENCH

For medical cylinder

MFR NO.	PART NUMBER:
G123029007	0279 3410



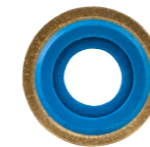
FM293-1L-X-SIS

FM293 SERIES NEONATAL, PERINATAL & SPECIALTY FLOWMETER

Designed for perinatal and neonatal applications where extreme accuracy and very low flow is required.

Acrylic block construction.

PART NUMBER:	0279 3138	0279 3155	0279 3172	0279 3189	0279 3206
Mfr No.	FM293-1L-X-SIS	FM293-200-X-SIS	FM293-3L-X-SIS	FM293-75L-X-SIS	FM293-75L-Q-SIS
Gas service	Medical oxygen	Medical oxygen	Medical oxygen	Medical oxygen	Medical air
Full scale	1 Lpm	200 cc/min	3 Lpm	75 Lpm	75 Lpm
Max. flowrate	5 - 10 Lpm	500 cc/min	20 - 50 Lpm	70 - 100 Lpm	70 - 100 Lpm
Calibration pressure	400 kPa	400 kPa	400 kPa	400 kPa	400 kPa
Inlet connection	Sleeve Index System (SIS) as per AS 2902 — 2005				
Outlet connection	G1/4"	G1/4"	G1/4"	G1/4"	G1/4"
Hose barb	Supplied	Supplied	Supplied	Supplied	Supplied
User manual	Supplied	Supplied	Supplied	Supplied	Supplied
Warranty	5 Year limited warranty	5 Year limited warranty	5 Year limited warranty	5 Year limited warranty	5 Year limited warranty



BODOK SEALS

Gentec Bodok Seals are a specialised washer that allow for a gas tight seal between the regulators yoke and a gas cylinder.

PART NUMBER:	0279 3682
Mfr No.	G204662010
Colour	Blue
Pack qty	10

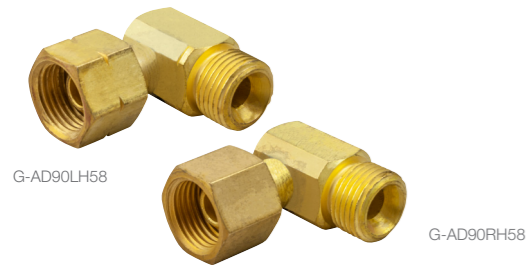


HOSE BARBS

Tesuco® hose barbs are designed to compliment their flowmeter counterparts. White hose barbs are suitable for oxygen flowmeters, while our black hose barbs are for air flowmeters.

PART NUMBER:	0279 3699	0279 3716
Mfr No.	G204302400	G204302404
Gas Service	Medical oxygen	Medical air
Colour	White	Black
Pack qty	10	10

Accessories



REGULATOR OUTLET ADAPTOR

There are applications that require a 90 degree adaptor on the outlet of the regulator. These ones are small and made from solid brass for left hand and right hand threads.

PART NUMBER:	0218 9213	0218 9196
Mfr No.	G-AD90LH58	G-AD90RH58
Inlet connection	5/8-18 UNF-RH Female	5/8-18 UNF-RH Female
Outlet connection	5/8-18 UNF-RH Male	5/8-18 UNF-RH Male



BLANKING PLUGS

When not in use, it is good practice to have blanking plugs on the outlets of regulators and regulated outlet points. This stops the ingress of dirt and insects and stops gas leaks if they are accidentally turned on. They also protect the thread from damage during transport.

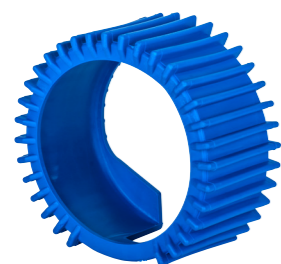
MFR NO.	PART NUMBER:
W-PLUG58LH	0279 3223
W-PLUG58RH	0279 4923



GAUGE PROTECTOR

Gauge protectors are available to fit to the 50 mm diameter pressure gauges. They help protect the pressure gauge from minor knocks and impacts when in use and being transported.

PART NUMBER:	0279 3308	0279 4940	0279 3325
Mfr No.	SPRGPB	SPRGPBL	SPRGPR
Colour	Black	Blue	Red



GAUGE PROTECTOR

To suit RI1SNI60 Regulator

SPECIFICATIONS	0279 3342
Mfr No.	SPRGP63BL
Size	63 mm
Colour	Blue

Accessories



GAS PRE-HEATERS

The heaters are suitable for pressures up to 200 bar (20,000 kPa). The media flowing through the system are evenly warmed through an automatic temperature control, so that an uninterrupted flow - even when in constant use - is provided. There are two mounting options available. One has type 30 connections and can be mounted between the cylinder and the regulator, or on a wall mounted manifold arrangement, between the manifold and regulator. Gas warmers should be situated under cover as the units are weather proof but not waterproof. It is recommended that the power is disconnected when the system is out of use for long periods as the gas heater can overheat the gas. When the system is not being used the cylinder valve should be shut and the gas pressure released from the system.

PART NUMBER:	0279 3359
Mfr No.	GH19030
Inlet connection	Type 30 stem and nut
Outlet connection	Type 30 male



O-RINGS

PART NUMBER:	0279 3376	0279 3393	0279 3665
Mfr No.	SPRO10B	SPRO50	SPRO30W
Regulator range	RC for Type 10, 20, 21	RC for Type 50, 60	RI for Type 30
Pack qty	10	10	10

National Branch Network



Australian Capital Territory

Canberra (Fyshwick)



New South Wales

Albury

Broken Hill

Coffs Harbour

Dubbo

Lismore

Newcastle

Orange

Sydney (Greystanes)

Tamworth

Tuggerah

Wagga Wagga

Wollongong



South Australia

Adelaide

Mt Gambier

Roxby Downs

Whyalla



Queensland

Brisbane

Cairns

Gladstone

Gympie

Hamilton

Mackay

Mt Isa

Rockhampton

Toowoomba

Townsville



Victoria

Ballarat (Wendouree)

Bendigo

Dandenong

Geelong

Melbourne (Scoresby)

Morwell

Portland

Shepparton



Northern Territory

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Blackwoods Electrical Supplies

Mandurah

