

# **High Purity**

QUALITY GAS EQUIPMENT

tesuco.com.au

GENTEC REGU	REGULATOR	STAGE	MATERIAL	INLET PRESSURE	OUTLET PRESSURE	GAS CODE	INLET	INLET FITTING	VALVE	OUTLET FITTING
G	ж			A 20,000 kPa	N 170 kPa	AC Acetylene	8	None	0 None	<b>0</b> None
						<b>AI</b> Air	A1	AS Type 10 / BS 3	<ul> <li>Isolation Valve</li> </ul>	<b>1</b> 1/4" NPT M
			C Chrome		<b>0</b> 680 kPa	AM Ammonia	A2	AS Type 20 / BS 2,4	N Needle Valve	<b>2</b> 1/2" Compression
				<b>B</b> 30,000 kPa	<b>P</b> 1700 kPa	AR Argon	A3	AS Type 30 / BS 8 / DIN 6	C Check Valve (NRV)	<b>3</b> G3/8" F
					<b>R</b> 3440 kPa	AS Arsine	A4	AS Type 31 / BS 6 / DIN 7		<b>4</b> 1/4" Compression
						BI Butadiene	A5	AS Type 32 / BS 10		5 5/8"-18 UNF RH
		-		A 20,000 kPa	N 170 kPa	BU Butane	A6	AS Type 50		6 5/8"-18 UNF LH
						BY Butylene (Butene)	Α7	AS Type 60		8 1/8" Compression
					<b>0</b> 680 kPa	CD Carbon Dioxide	<b>A</b> 8	AS Type 51		9 6 mm Pushfit
			<b>S</b> Stainless	<b>B</b> 30,000 kPa	<b>P</b> 1700 kPa	CM Carbon Monoxide	Α9	AS Type 30 Handwheel		A 1/4" Hose Barb
					<b>R</b> 3440 kPa	CH Chlorine	B1	BS Type 14 / AS Type 44		<b>B</b> 3/8" Hose Barb
						<b>DE</b> Deuterium	B2	BS Type 15 / AS Type 45		C 5/16" Hose Barb
				С 40,000 кРа	<b>Q</b> 20,000 kPa	EA Ethane	5	CGA 180		
						EY Ethylene (Ethene)	C2	CGA 330		
			<b>C</b> Chrome		N 170 kPa	HE Helium	ឌ	CGA 350		
		2		<b>B</b> 30,000 kPa	<b>0</b> 680 kPa	HY Hydrogen	C,	CGA 580		
			<b>S</b> Stainless		<b>P</b> 1700 kPa	HC Hydrogen Chloride	CS	CGA 660		
						HF Hydrogen Fluoride	c,	CGA 540		
•	I					HS Hydrogen Sulphide	C1	CGA 590		
High Purity	urit)	-				KR Krypton	5	DIN #1		
	. U			VI-+-IV		ME Methane	D2	DIN #6 / AS Type 30		
Regulator Selection Math		D D G G G G	ירוטון			NE Neon	B	DIN #8		
						ND Nitrogen Dioxide				
						NC Nitric Oxide				
Chr	<b>Chrome Plated Brass</b>	ted Br	sse.			NI Nitrogen				
						Nitrous Oxide				
Stai	Stainless Steel	٩٩				<b>oX</b> Oxygen				
						LP Propane (LPG)				
						PR Propylene (Propene)				
						<b>SI</b> Silane				
Note: For 170 kPa Single stage, only 20,000 kPa intet is availat For 0=20.000 kPa only Single stage SS (GD15CO) is available	Pa Single s	stage, o	nly 20,000 kPa	Note: For 170 kPa Single stage, only 20,000 kPa inlet is available. Err 0=20.000 kPa only Single stage SS (GD15CO) is available.		SD Sulphur Dioxide				
All others are GR B.	R B.	וטוד אום	ye so (an i suu	k) is availance.		SH Sulphur Hexafluoride				
For corrosive mixtures, use stainless steel	ixtures, us	se stain	less steel			<b>XE</b> Xenon				

SP Special





GR1CB0

# SINGLE STAGE

Series: R21

The R21 series regulator is a diaphragm - sensed single stage high purity regulator, designed for applications where low flow is desired, available in nickel plated brass or stainless steel. Maximum outlet pressures are provided in 170 kPa, 680 kPa,

1700 kPa, and 3400 kPa. The Gentec range also includes a high pressure 20,000 kPa stainless steel regulator which can be used for all gases.

#### **SPECIFICATIONS**

Body port size	1/4" NPT (F)	
Purity	6.0 (99.9999%)	
Safety test pressure	1.5 x maximum inlet pressure	
Temperature range	-40°C to 74°C	
Weight	1 kg	
<b>Materials</b> Body Seat	Nickel-plated brass PCTFE	Stainless Steel PCTFE
Diaphragm	316 L	



GR2CB0

# DUAL STAGE

Series: R31

The R31 series regulator is a diaphragm - sensed dual stage high purity regulator, designed for applications where a consistent outlet pressure and flow is desired. Available in nickel plated brass or stainless steel. Maximum outlet pressures are available in 170 kPa, 680 kPa, and 1700 kPa. All dual stage regulators have a standard 30,000 kPa inlet pressure.

Body port size	1/4" NPT (F)	
Purity	6.0 (99.9999%)	
Temperature range	-40°C to 74°C	
Weight	1.3 kg	
<b>Materials</b> Body Seat	Nickel-plated brass PCTFE	Stainless Steel PCTFE
Diaphragm	316 L	



GL1CD0

# **LINE REGULATOR**

Series: R21

The R21 series regulator is a diaphragm - sensed single stage high purity regulator, designed for applications where low flow is desired, available in nickel plated brass or stainless steel. Maximum outlet pressures provided are 680 kPa or 1700 kPa.

#### SPECIFICATIONS

Body port size	1/4" NPT (F)	
Purity	6.0 (99.9999%)	
Safety test pressure	1.5 x maximum inlet pressure	
Temperature range	-40°C to 74°C	
Weight	1 kg	
<b>Materials</b> Body Seat	Nickel-plated brass PCTFE	Stainless Steel PCTFE
Diaphragm	316 L	

# **PORTABLE CYLINDER REGULATOR**

Series: H229

The H229 portable cylinder regulator is a compact, fixed flow, piston sensed regulator for calibration gases and industrial hygiene. The units have C-10 inlet for connection to disposable gas mixture cylinders. The regulators are available in chrome plated brass or stainless steel. Flow rates available are 0.25, 0.5, 1.0, 1.5, 2.5 and 6.0 lpm.



GRPCC1050

<b>Material of construction</b> Body Seat Piston Gauge	Chrome-plated brass PTFE Brass Chrome-plated brass	316 L stainless steel PTFE Stainless steel Stainless steel
Inlet connection	5/8-18 UNF (C-10)	
Outlet connection	3/16" hose barb	
Inlet pressure	7,000 kPa	

PART NO	DESCRIPTION
GRPCC1025	Portable cylinder regulator, In: 7,000 kPa, Out: 0.25 slpm
GRPCC1050	Portable cylinder regulator, In: 7,000 kPa, Out: 0.5 slpm





# **BENCH MOUNT**

Part No: GOLBC3410

Bench mount regulators are designed for central gas systems where control is needed at the application point. The units are bottom entry with a column for mounting flush to a bench surface. They feature an isolation valve, adjustable pressure and easy to read 50 mm pressure gauges.

#### **SPECIFICATIONS**

Gas service	Non-corrosive gases
Inlet connection	1/4" NPT Male
Outlet connection	1/4" NPT Female
Delivery pressure	Max. 1,000 kPa
Purity	6.0 (99.9999%)
Country of origin	China



# SURFACE MOUNTED

Part No: GOLSC3410

Surface mount regulators are designed for central gas systems where control is needed at the application point. The units have a wall mounting block with a side entry to allow for pipework that is mounted flush to the wall surface. They feature an isolation valve, adjustable pressure and easy to read 50 mm pressure gauges.



#### WALL MOUNTED

Part No: GOLWC3410

Wall mount regulators are designed for central gas systems where control is needed at the application point. The units are rear entry for mounting flush to the wall surface where pipework is mounted within the wall or fed through the wall. They feature an isolation valve, adjustable pressure and easy to read 50 mm pressure gauges.



GPS60C2010

# **SINGLE INLET**

Series: P3200

P3200 series specialty gas control panel is a single-bank control system, designed to provide accurate control of a variety of gases used in research laboratories, laser gas systems, process analyzers, etc. Vent valves can be integrated for purging to ensure maximum purity of gas and minimize contaminants. The vent and inlet valve connections are orbital welded to minimise possibility of leaks. This panel is available in both stainless steel and brass.

#### **SPECIFICATIONS**

Gas service	All gases dependent on material compatibility
Inlet connection	1/4" NPT Female
Outlet connection	1/4" pipe compression fitting
Delivery pressure	Max. 1,000 kPa
Purity	6.0 (99.9999%)

PART NO	DESCRIPTION
GPS60C2010	Chrome plated brass
GPS60S2010	Stainless steel



GPT60C2010

# TWIN INLET

# Series: P3300

The P3300 series control panel is a twin manual panel which allows the manual changeover from one gas source to another. There is a check valve at both ends between inlet pressure gauge and regulator to allow cylinder replacement without shutting off the system. The connections for the vent valves and inlet valves are orbital welded to minimise possibility of leaks.

Gases	All gases dependent on material compatibility
Inlet configuration	6 O'clock (2 sides)
Outlet configuration	12 O'clock
Delivery pressure	1,000 kPa
Purity	Max. 6.0 (99.9999%)

PART NO	DESCRIPTION
GPT60C2010	Chrome plated brass
GPT60S2010	Stainless steel





GMSA60C2010



GMSD60S2010

Auto changeover panels are a dual-bank semi-automatic changeover system, providing a continuous gas supply without interrupting the system during cylinder(s) replacement. When the primary bank is nearly depleted, a changeover will automatically occur, and the reserve bank will begin to supply gas to the system. The inlet valve on each bank provides the user additional safety while replacing the cylinder(s) on the empty bank before the next changeover occurs. The GMSD series includes a line regulator which executes a second stage pressure reduction, providing a selectable, consistent outlet pressure and flow.

Available in both stainless steel and brass.

#### **FEATURES**

- Inlet filter
- Pressure adjusting knob
- Pressure gauges
- Isolation valves with OPEN / CLOSE window
- Purge valves with OPEN / CLOSE window
- Safety relief valve
- Non-return valves
- Stainless steel mounting panel

Gas service	All gases dependent on material compatibility
Inlet connection	1/4" NPT Female
Outlet connection	1/4" pipe compression fitting
Inlet configuration	6 O'clock (two sides)
Outlet configuration	12 O'clock
Delivery pressure	1,000 kPa
Purity	6.0 (99.9999%)

	REGULATOR	DIMENSIONS	WEIG	HTS (kg)
PART NO	MATERIAL	(mm)	NET	GROSS
GMSD60C2010	Chrome plated brass	(H) 315 (W) 400 (D) 143	7.10	8.00
GMSD60S2010	Stainless steel	(H) 315 (W) 400 (D) 143	6.90	7.65
GMSA60C2010	Chrome plated brass	(H) 220 (W) 406 (D) 143	6.01	6.89
GMSA60S2010	Stainless steel	(H) 220 (W) 406 (D) 143	5.79	6.55





G02A60C4010



G03A60C4010

# **OUTLET PANELS**

# Series: P4400

The P4400 series outlet panels provide final pressure control at the point of use with a maximum inlet pressure of 4,000 kPa and adjustable outlet pressure up to 1,000 kPa. Constructed from chrome plated brass the P4400 intended for non-corrosive gases and is available in single, twin or triple outlet panels.

Gas service	Non-corrosive gases
Inlet connection	1/4" NPT Female
Outlet connection	1/4" NPT Female
Inlet configuration	12 O'clock
Outlet configuration	6 O'clock
Delivery pressure	Max. 1,000 kPa
Purity	6.0 (99.9999%)
Warranty	1 Year (manufacturer's warranty)
Country of origin	China

PART NO	DESCRIPTION
G01A60C4010	Single outlet
G02A60C4010	Twin outlet
G03A60C4010	Triple outlet





GHF20WP

#### **PTFE LINED**

PTFE lined high pressure, high purity gas supply hoses. They are suitable for use with high purity gases up to 6.0 (99.9999%) purity.

#### SPECIFICATIONS

Gas service	Non-corrosive gases (not recommended for helium)
<b>Connection</b> Inlet Outlet	1/4" NPT Female 1/4" NPT Female
Purity	6.0 (99.9999%)
Lining	PTFE
Country of origin	China
Warranty	1 Year (manufacturer's defect)

PART NO	DESCRIPTION
GHF09WP	Flexible lead stainless steel 900 mm
GHF20WP	Flexible lead stainless steel 2,000 mm



GHF20WS

#### **STAINLESS STEEL LINED**

High pressure, high purity gas supply hoses. They are suitable for use with high purity gases up to 6.0 (99.9999%) purity. These hoses are also suitable for toxic and corrosive gases and gas mixtures.

Gas service	All gases
<b>Connection</b> Inlet Outlet	1/4" NPT Female 1/4" NPT Female
Purity	6.0 (99.9999%)
Lining	Stainless steel
Country of origin	China
Warranty	1 Year (manufacturer's defect)

PART NO	DESCRIPTION
GHF09WS	Flexible lead stainless steel 900 mm
GHF20WS	Flexible lead stainless steel 2,000 mm





#### **PROTOCOL STATIONS**

The protocol station is a small high pressure distribution block that allows the regulator to be mounted on a wall or bench and is suitable for both single and dual-stage regulators. The protocol station is an inexpensive, versatile piece of equipment which improves safety, convenience, organisation and is available in chrome plated brass or stainless steel.

#### SPECIFICATIONS

Gas service	All gases dependent on material compatibility
<b>Connection</b> Inlet Outlet	1/4" NPT Female 1/4" NPT Female
Purity	6.0 (99.9999%)
Country of origin	China
Warranty	1 Year (manufacturer's defect)

PART NO	DESCRIPTION
GPSB	Gentec protocol station chrome plated
GPSS	Gentec protocol station stainless steel

# **HIGH PURITY FLOWMETER**

Gentec flowmeters are designed and manufactured to meet the highest standards of performance and accuracy for both scientific and medical applications where fine control of low rate is required. Models are available across a wide flow range.

Gas service	Non-corrosive gases
<b>Connection</b> Inlet Outlet	1/8" NPT Female 1/8" NPT Female
Purity	6.0 (99.9999%)
Flowmeter black	Acrylic
Country of origin	China
Warranty	1 Year (manufacturer's defect)

PART NO	DESCRIPTION
FM293-3L-X	High purity flowmeter 3 L/min
FM293-16L-X	High purity flowmeter 16 L/min
FM293-75L-X	High purity flowmeter 75 L/min







# **OXYTURBO REGULATOR BRACKET**

For OT Major Range

The OT194820 is a Stainless Steel bracket suitable for mounting GENTEC Single Stage High Purity Cylinder Regulators and Line regulators to a wall or fixed surface. (Regulators are supplied with suitable screws for attaching to suitable brackets)

PART NO

OT194820



APSDB

# **PRESSURE SWITCHES**

Materials of construction Body Head Wetted parts	316 L Stainless steel ABS plastic 316 L Stainless steel
Inlet connections	1/4" NPT
Gas service	All gases
Pressure set points	2
Maximum inlet pressure	40,000 kPa
Power rating	15 to 35 VAC/DC
Power consumption	Max.1000 W
Temperature range	0°C to +80°C
IP rating	IP 65
Signal output	20 mA
Ассигасу	0.5% Pressure span
Rotation	330°

PART NO	DESCRIPTION
APSDB	Digital pressure switch (BSP thread)
APSDN	Digital pressure switch (NPT thread)



# ALARMS

Gas alarm panels are installed to give visual or audible and visual indication of a depleted gas supply. These devices include, but are not limited to, pre-set and adjustable contact gauges, pressure switches, strobes and indicators and adaptors, depending upon the application. Gas alarm panels are available in a single or two channel versions. The single channel alarm panel is most suitable for manual manifolds while the two channel panel can be used with semi-automatic manifolds, where the status of both sides can be easily monitored.

Materials of construction	Durable PVC plastic
Power rating	24 VAC/DC
Channels	2
Power consumption	Max. 2 W
IP rating	IP40
Power connections	Hard wired to terminals
Temperature range	-20°C to +50°C
Noise level (buzzer)	85dB (A) at 10 cm
Flammability rating	UL94-HB

PART NO	DESCRIPTION
AA2	Visual & audible 2 channel complete with separate flashing ref strobe and plug pack. No contact gauges
AA2100	Visual and audible 2 channel complete with separate flashing red strobe, plug pack and 2 contact gauges
ΑΑΤ	Audible and visual alarm panel with separate neon light, inc. Plug pack, no contact gauges
AAT1100	Alarm panel with neon audible and visual inc. Plug pack.1 x 1,000 kPa contact gauges
AAT2100	Alarm panel audible and visual 2 x 1,000 kPa contact gauge





ACG1000

# **CONTACT GAUGES**

A contact gauge replaces the high pressure gauge in the regulator and sends a signal to the alarm panel when the pressure in the cylinder reaches the pre-set contact point. These high quality contact gauges are manufactured by WIKA in Germany and have a robust stainless steel case.

#### **SPECIFICATIONS**

Materials of construction Case Window Wetted parts	316 Stainless steel Clear plastic Cu alloy
Gas service	All gases dependent on material compatibility
Inlet connections	G 1/4" (1/4" BSPP)
Pre-set pressure	1,000 kPa
Maximum inlet pressure	30,000 kPa
Power rating	4.5 to 24 VAC/DC
Power consumption	Max. 2.4 W
Temperature range	-20°C to +60°C
IP rating	IP 65
Identifications markings	Maximum pressure Set pressure
Warranty	1 Year (manufacturer's defect)
Country of origin	China

PART NO	DESCRIPTION
ACG1000	Contact alarm gauge
ACG1000S	Contact alarm gauge stainless steel
ACGA	Adaptor 1/4" NPT - 1/4" BSPP For contact alarm gauges



# **STROBES AND INDICATORS**

PART NO	DESCRIPTION
AATN	Remote neon indicator for audible and visual alarm supplied with 4 m cable
AST	Alarm LED flashing strobe 12-24 volt DC unit only



BP-DV11HLNT4FNT4

# **ISOLATION VALVES**

Gentec diaphragm valves are designed and manufactured for high purity applications with metal to metal seal to ensure optimum performance and minimum particle generation. The units have an open/closed indicator window to give instant confirmation of closure status. The units are also helium leak tested.

<b>Connection</b> Inlet Outlet	1/4" NPT 1/4" FNPT
Country of origin	China
Warranty	1 Year (manufacturer's defect)

 PART NO	DESCRIPTION
BP-DV11HLNT4FNT4	Isolation valve plated brass 1/4" NPT M - FM with status window. For Gentec regulator outlet Maximum pressure 3,500 kPa
BP-DV13MHB-FNT4	Isolation/purge valve 1/4" NPT plated brass, 3 ports For Gentec panes and manifolds Maximum pressure 20,000 kPa
BP-DV13MH-FNT4	Isolation valve 1/4" NPT plated brass, 2 ports For twin cylinder manifolds Maximum pressure 20,000 kPa
SL-DV54MHB-FNT4	Isolation/purge valve 1/4" NPT stainless steel, 3 port For Gentec panels and manifolds Maximum pressure 20,000 kPa

# **High Purity**





**NEEDLE VALVES** 

Gentec needle valves are designed and manufactured for high pressure, high purity applications. All valves are nitrogen pressure leak tested to maximum operating pressures.

G-207CP

 PART NO	DESCRIPTION
G-207CP	Needle valve For Gentec HP regulators Maximum pressure 3,500 kPa
SS-NV13-FNT4-V	Needle valve 'V' type 1/4" NPT Straight stainless steel Maximum pressure 34,500 kPa
SS-NV13-FNT4-V-A	Needle valve 'V' type 1/4" NPT 90 degree stainless steel Maximum pressure 34,500 kPa



SS-BV15-FNT4

# **BALL VALVES**

Gentec ball valves are designed and manufactured for high purity applications with stainless steel ball and PTE bushing. All valves are nitrogen pressure leak tested to maximum operating pressures. Valves are available in 2, 3 or 5 way options. Valves are available for panel mounting.

 PART NO	DESCRIPTION
SS-BV15-FNT4	Genlok ball valve 1/4" NPT FM - 1/4" NPT FM
BP-BV35-FNT4-FB	Genlok ball valve 3 Way 1/4" NPT FM Chrome plated brass
SS-BV35-FNT4	Genlok ball valve 3 Way 1/4" NPT FM Stainless steel MWP: 17,200 kPa
SS-BV52-FNT4	Genlok ball valve 5 Way 1/4" NPT FM





SPRGCCV

## **NON-RETURN VALVES**

Gentec non return valves (or check valves) are designed and manufactured to meet the highest standards of performance of stainless steel with fluoro rubber o-rings.

<b>Connection</b> Inlet Outlet	1/4" NPT 1/4" NPT
Maximum pressure	20,000 kPa
Country of origin	China
Warranty	1 Year (manufacturer's defect)

	PART NO	DESCRIPTION
Conne VI Conne VI Conne VI	G-B4CP4-1	Non return valve brass 1/4" NPT - 1/4" NPT FM
ACCEPTED TO THE SECOND	SS-CV11-NT4-VI-3	Check valve 1/4" NPT stainless steel for twin and single manifolds



# **RELIEF VALVES**

Gentec relief valves are designed and manufactured to meet the highest standards of performance of chrome plated brass or stainless steel. The valves area available in a wide range of pressures and are adjustable within a range for accurate calibration.

Connection Inlet Outlet	1/4" NPT 1/4" NPT
Maximum pressure	30,000 kPa
Country of origin	China
Warranty	1 Year (manufacturer's defect)

PART NO	DESCRIPTION
SPRBRV1114	Relief valve 140 kPa 1/4" NPT M - 1/4" NPT FM For Gentec high purity regulators
SPRBRV11170	Relief valve 1700 kPa 1/4" NPT M - 1/4" NPT FM For Gentec high purity regulators
SPRBRV1168	Relief valve 680 kPa 1/4" NPT M - 1/4" NPT FM For Gentec high purity regulators
SS-RV11-100	Relief valves 680 kPa stainless steel 1/4" NPT M - 1/4" MPT FM For Gentec high purity regulators
SS-RV11-250	Relief valve 1700 kPa stainless steel 1/4" NPT M - 1/4" NPT FM For Gentec high purity regulators
SS-RV31RE-290	Relief valve 316 stainless steel Flurororubber Seat Preset pressure: 290 psi
SS-RV31YF-580	Relief valve 316 stainless steel EDPM Seat Preset pressure: 580 psi





The Gentec range of Genlok fittings feature a superior mechanical design and provide excellent sealing and tube gripping performance that result in leak-tight tube connections and torque free assembly. They have been specifically designed to withstand high pressure, vibration, vacuum and temperature changes.

Materials of construction Fittings/Ferrules	316 L Stainless steel
Purity	6.0 (99.9999)
Maximum pressure	Dependant on tubing well thickness
Country of origin	China
Warranty	1 Year (manufacturer's defect)

	PART NO	ТҮРЕ	DESCRIPTION
	SS-MA-OD4-NT4	Male adaptor	Tube to pipe 1/4" NPT M -1/4" tube
	SS-MC-TF2-NT4	Male connector	1/4" NPT - 1/8" Genlok
	SS-MC-TF4-NT2	Male connector	1/8" NPT - 1/4" Genlok
and the Ele	SS-MC-TF4-NT4	Male connector	1/4" NPT - 1/4" Genlok
	SS-MC-TF8-NT4	Male connector	1/4" NPT - 1/2" Genlok
	SS-FA-0D4-FNT4	Female adaptor	Genlok tube to Female thread 1/4" NPT FM - 1/4" Pipe
	SS-FC-TF8-FNT4	Female connector	1/4" NPT - 1/2" Genlok
	SS-FC-TF4-FNT4	Female connector	1/4" NPT - 1/4" Genlok

# **High Purity** Genlok Fittings

	PART NO	ТҮРЕ	DESCRIPTION
	SS-ME-TF2-NT2	Male elbow	1/8" NPT - 1/8" Genlok
and the second	SS-ME-TF4-NT2	Male elbow	1/8" NPT - 1/4" Genlok
	SS-ME-TF4-NT4	Male elbow	1/4" NPT - 1/4" Genlok
	SS-ME-TF6-NT4	Male elbow	1/4" NPTM - 3/8" Genlok
Die -	SS-ME-TF8-NT4	Male elbow	1/4" NPT - 1/2" Genlok
R. Fr. m.	SS-U-TF4	Union connector	1/4" NPT - 1/8" Genlok
	SS-U-TF8	Union connector	1/2" Genlok
STATES 50	SS-UE-TF4	Union elbow	1/4" Genlok - 1/4" Genlok
A HOME AND ITO	SS-BU-TF4	Bulkhead union	1/4" - 1/4" Genlok
E CE IO	SS-UT-TF4	Union tee	1/4" Genlok
	SS-UT-TF8	Union tee	1/2" Genlok
	SS-MBT-TF4-NT4	Male branch tee	1/4" NPT M - 1/4" Genlok
	SS-MBT-TF6-NT4	Male branch tee	1/4" NPT M - 3/8" Genlok
	SS-PHP-NT4	Blanking plug	Stainless steel 1/4" NPT
	SS-P-TF6	Blanking plug	3/8"

# **High Purity** Genlok Fittings



	PART NO	ТҮРЕ	DESCRIPTION
AT HO	SS-C-TF4	Сар	1/4" NPT
	SS-N-TF4	Nut	1/4" NPT
	SS-N-TF6	Nut	3/8"
	SS-FSET-TF4	Ferrule set	1/4" NPT
	SS-FSET-TF6	Ferrule set	3/8"
	SS-PRE-NT2-FNT4	Elbows	1/4" F to 1/8" M NPT
	SS-PMHC-HD4-NT4	Hose barb	1/4" - 1/4" Male NPT
ALLINE RESIDENCE	SS-PMHC-HD6-NT4	Hose barb	3/8" - 1/4" Male NPT
	SS-PTHC-HD4-0D4	Hose barb	1/4" - 1/4" hose
	SS-PTHC-HD6-0D4	Hose barb	3/8" - 1/4" hose
	SPR01R1RS	Adaptor	Stainless steel 1/4" NPT M - 1/4" NPT M
	SS-PHLN-NT4-2.5	Adaptor	1/4" NPT M -1/4" NPT M 2.5 cm
	SS-PRA-FNT4-NT2	Adaptor	1/8" M NPT to 1/4" F NPT
	SS-PRB-NT4-FNT2	Adaptor	1/8" NPT FM to 1/4" NPT M



### **AUSTRALIAN STANDARD**

Tesuco<sup>®</sup> caters for the various conversions need between international manufacturers. All Australian standard inlet connections consist of a stainless steel stem and nut and adhere to the AS 2473.2 Standard.

SPRA10S         Type 10, 1/4" NPT           SPRA20S         Type 20, 1/4" NPT           SPRA30S         Type 30, 1/4" NPT           SPRA31S         Type 31, 1/4" NPT           SPRA32S         Type 32, 1/4" NPT           SPRA50S         Type 50, 1/4" NPT           SPRA60S         Type 60, 1/4" NPT	PART NO	DESCRIPTION
SPRA30S         Type 30, 1/4" NPT           SPRA31S         Type 31, 1/4" NPT           SPRA32S         Type 32, 1/4" NPT           SPRA50S         Type 50, 1/4" NPT	SPRA10S	Туре 10, 1/4" NPT
SPRA31S         Type 31, 1/4" NPT           SPRA32S         Type 32, 1/4" NPT           SPRA50S         Type 50, 1/4" NPT	SPRA20S	Type 20, 1/4" NPT
SPRA32S         Type 32, 1/4" NPT           SPRA50S         Type 50, 1/4" NPT	SPRA30S	Type 30, 1/4" NPT
<b>SPRA50S</b> Type 50, 1/4" NPT	SPRA31S	Type 31, 1/4" NPT
	SPRA32S	Type 32, 1/4" NPT
<b>SPRA60S</b> Type 60, 1/4" NPT	SPRA50S	Type 50, 1/4" NPT
	SPRA60S	Туре 60, 1/4" NPT

# WASHERS

Listed are our range of washers that correspond with the Australian standard inlet connections available.



SPR010

PART NO	DESCRIPTION
SPR010	'0'-ring for Type 10, 20 & 21 stems
SPR050	'O'-ring For Type 50/60 stems





### **BRITISH STANDARD**

Tesuco<sup>®</sup> caters for the various conversions need between international manufacturers. All British standard inlet connections consist of a stainless steel stem and nut and adhere to the BS 341 standard.

PART NO	DESCRIPTION
SPRB14S	BS 14 - 1/4" NPT
SPRB15S	BS 15 - 1/4" NPT

# WASHERS

Listed are our range of washers that correspond with the British standard inlet connections available.



PART NO	DESCRIPTION
SPROBS14	'0'-ring for BS14/15 connection



# **CGA STANDARDS**

US Compressed Gas Association

Tesuco<sup>®</sup> caters for the various conversions need between international manufacturers. The following connections adhere to the US compressed gas association standard.

PART NO	DESCRIPTION
SPRC180S	Nut and stem stainless steel CGA 180 - 1/4" NPT
SPRC330S	Nut and stem stainless steel CGA 330 - 1/4" NPT
SPRC350S	Nut and stem stainless steel CGA 350 - 1/4" NPT
SPRC540C	Nut and stem chromed brass CGA 540 - 1/4" NPT
SPRC580S	Nut and stem stainless steel CGA 580 - $1/4^{\prime\prime}$ NPT
SPRC590S	Nut and stem stainless steel CGA 590 - $1/4^{\prime\prime}$ NPT
SPRC660S	Nut and stem stainless steel CGA 660 - $1/4^{\prime\prime}$ NPT



SPROC180

# WASHERS

Listed are our range of washers that correspond with the CGA US compressed gas association inlet connection standards.

PART NO	DESCRIPTION
SPROC180	'0'-ring for CGA 180 connection
SPR0C330	'0'-ring for CGA 330 connection
SPROC660	'O'-ring for CGA 660 connection





# **GERMAN STANDARDS**

DIN

Tesuco<sup>®</sup> caters for the various conversions need between international manufacturers. All British standard inlet connections consist of a stainless steel stem and nut and adhere to the BS 341 standard.

PART NO	DESCRIPTION
SPRD01S	DIN 01 - 1/4" NPT
SPRD06S	DIN 06 - 1/4" NPT
SPRD08S	DIN 08 - 1/4" NPT
SPRD14S	DIN 14 - 1/4" NPT



# WASHERS

Listed are our range of washers that correspond with the  $\operatorname{German}$  standard inlet connections

PART NO	DESCRIPTION
SPROD1	'O'-ring for DIN01/DIN06 connection
SPROD8	'O'-ring for DIN08 connection

# **High Purity** Comparison Table

ТҮРЕ	OUTLET	CONNECTION	DESCRIPTION	BS 341.3	CGA V-1	DIN 477
10			5/8" BSP RH Internal, 14 T.P.I. Internal angled sealing face, thread I.D, 21.0 mm Gases: oxygen, helium, argon, non-flammable non-toxic mixtures	#3		
11			5/8" BSP RH Internal, 14 T.P.I. Internal angled sealing face, internal recess diameter 23.5 – 24.0 mm Gases (up to 25,000 kPa): oxygen			
16			1.103" NGO RH External, 14 T.P.I. Internal angled sealing face, thread O.D. 27.9 mm, centre hole 13.3 x 10.2 mm deep Gases (up to 31,500 kPa): oxygen		701	
17			W21.8 RH External, 14 T.P.I. Internal angled sealing face, thread O.D. 21.8 mm, centre hole 13.3 x 22 mm deep Gases: oxygen			
20			5/8" BSP LH Internal, 14 T.P.I. Internal angled sealing face, thread I.D. 21.0 mm. Gases: acetylene, carbon monoxide, ethane, ethylene, hydrogen, methane, flammable gases, flammable non-toxic mixtures	#2, 4		
21			0.885" NGO LH Internal, 14 T.P.I. Internal angled sealing face, thread I.D. 21.0 mm Gases: LPG, butane, propane, propylene		510	
22			1.045" NGO LH Internal, 14 T.P.I. Internal angled sealing face, thread I.D. 24.6 mm Gases (up to 31,500 kPa): hydrogen, methane		695	
23			1.125" NGO LH Internal, 14 T.P.I. Internal angled sealing face, thread I.D. 26.6 mm Gases (up to 31,500 kPa): hydrogen, methane		703	
24			1/4" BSP LH External, 19 T.P.I. Flat end sealing face, thread O.D. 13.0 mm Gases: flammable gases, flammable non-toxic mixtures	#17		
25			W21.8 LH External, 14 T.P.I. Internal angled sealing face, thread I.D. 21.8 mm, centre hole 10.0 x 22 mm deep Gases: acetylene			
26			0.903" NGO LH External, 14 T.P.I. Internal angled sealing face, thread O.D. 22.9 mm, centre hole 15.0 x 5.6 mm deep Gases: LPG (liquid withdrawal only)		555	
30			0.860" WHIT RH, 14 T.P.I. Flat end sealing face, thread O.D. 21.8 mm Gases: carbon dioxide, nitrous oxide	#8		No. 6
31			5/8" BSP RH External, 14 T.P.I. Flat end sealing face, thread O.D. 22.8 mm Gases: sulphur hexafluoride, methyl bromide, phosgene	#6		No. 7
32			1/2" BSP RH External, 14 T.P.I. Flat end sealing face, thread O.D. 20.8 mm Gases: ammonia, sulphur dioxide	#10		

# **High Purity** Comparison Table



ТҮРЕ	OUTLET	CONNECTION	DESCRIPTION	BS 341.3	CGA V-1	DIN 477
33			1/4" BSP RH External, 19 T.P.I. Flat end sealing face, thread O.D. 13.0 mm Gases: non-flammable non-toxic mixtures	#16		
34			3/4" BSP RH External, 14 T.P.I. Flat end sealing face, thread O.D. 26.3 mm Gases: refrigerant gases			No. 9
40			5/8" BSP LH, External 14 T.P.I. Flat end sealing face, thread O.D. 22.8 mm Gases: cyanogen, ethylene oxide,hydrogen cyanide, vinyl chloride	#7		
41			3/8" BSP LH External, 19 T.P.I. Internal angled sealing face, thread 0.D. 16.5 mm Gases: LPG, butane, propane,			No. 4
42			1/2" BSP LH External, 14 T.P.I. Flat end sealing face, thread O.D. 20.8 mm Gases: ethylamine, ethylene oxide	#11		
43			0.825" NGO LH External, 14 T.P.I. Flat end sealing face, thread 0.D. 20.8 mm Gases: hydrogen bromide, hydrogen chloride, hydrogen sulphide, methyl mercaptan		330	
44			3/8" BSP RH External, 14 T.P.I. Flat end sealing face, thread 0.D. 16.5 mm Gases: non-flammable toxic mixtures	#14		No. 11
45			3/8" BSP LH External, 14 T.P.I. Flat end sealing face, thread O.D. 16.5 mm Gases: flammable toxic mixtures	#15		
50			W24x2 RH External, 14 T.P.I. Internal angled sealing face, thread O.D. 24.0 mm, 1st centre hole 13.3 x 8.1 mm deep Gases: nitrogen, neon, krypton, xenon, nitrogen/carbon dioxide mixtures non-flammable non-toxic non-oxidising mixtures			
51			1.045" NGO RH Internal, 14 T.P.I. Internal angled sealing face, thread I.D. 24.6 mm Gases (up to 31,5000 kPa): argon, helium, nitrogen, neon, krypton, xenon		680	
52			1.030" NGO LH External, 14 T.P.I. Internal angled sealing face, thread O.D. 26.0 mm, centre hole 15.00 x 7.1 mm deep Gases (up to 42,500 kPa): argon, helium, nitrogen, neon, krypton, xenon		677	
60			W27x2 RH External, 14 T.P.I. Internal angled sealing face, thread O.D. 27.0 mm, 1st centre hole 18.2 x 8.1 mm deep Gases: air			
61			0.825" NGO RH External, 14 T.P.I. Internal angled sealing face, thread O.D. 20.8 mm, centre hole 12.8 x 12.1 mm deep Gases (up to 31,500 kPa): air		347	
62	K K		1.125" NGO RH Internal, 14 T.P.I. Internal angled sealing face, thread I.D. 26.6 mm Gases (up to 42,500 kPa): air		702	

DISTRIBUTED BY



DOWNLOAD BROCHURE



Phone +61 2 9737 9937 Email sales@tesuco.com.au Website tesuco.com.au

The information in this brochure is to be used as a guide only. The ultimate responsibility for safe use of the equipment lies with the operator. In the interest of constant improvement in quality and design, product specifications may change at any time, without notice. E&OE



FLAME () PRO

Tesuco<sup>®</sup> Bevline<sup>®</sup>

line<sup>®</sup> Leakxpose<sup>®</sup>

se<sup>®</sup> Flame///Pro<sup>®</sup>

Pro<sup>®</sup> Flame Pro<sup>™</sup>