



274 Church Street
 Onehunga
 Auckland

System Control Engineering NZ Ltd

THE GAS BIZZ BULLETIN

September 2009

Did you know that we have HSI Electrodes

PLACE YOUR ORDER NOW!!!



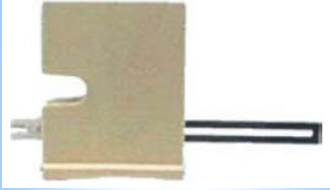
#W0419

- Silicon Carbide Igniter
- Metal Shield
- 24 volt AC



#W0425

- Silicon Carbide Igniter
- 240 volt AC



#W0420

- Silicon Carbide Igniter
- Metal Shield
- 240 volt AC



#W0426

- Silicon Carbide Igniter
- 110 volt AC



#W0423

- Silicon Carbide Igniter
- Flame Rod
- 24 volt AC



#W2014

- Silicon Carbide Igniter & Flame Rod
- 24 volt AC

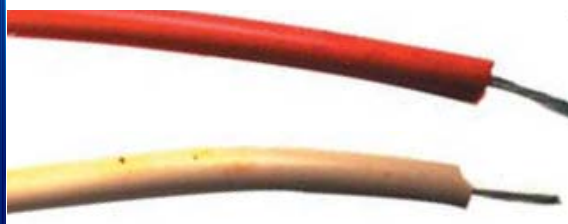
H.T Cable

- 7.7mm Silicone HT Cable
- Wire Conductor
- 150°C Rated
- By the metre



Part No: Z2205

Do you need any HT cable for burner ignition systems?
 We have these H.T cables available at SCE.



- 3.5mm
 - Wire Conductor
 - 150°C Rated
 - By the metre
- Part no: Z2195 (Red)
 Part no: Z2195W (White)

Phone: 09 636 1401 Fax: 09 636 1525
 Email: sales@systemcontrol.co.nz
 www.systemcontrol.co.nz



Dave's Technical Tip

LPG AUTO - CHANGEOVER REGULATORS

The typical LPG auto-changeover regulator usually comprises three regulators.

Two first stage regulators that take cylinder pressure on their inlet and reduce to a maximum of 70 kPa on their outlet.

The third regulator is a second stage regulator taking 70kPa maximum and reducing to 2.75kPa for the appliance operating pressure.

To achieve automatic changeover, the two first stage regulators are set at different outlet pressures, eg. one at 60kPa, the other at 70kPa.

During operation both first stage regulators are connected to a live supply of gas at cylinder pressure but because of the higher, differential pressure stopping the flow of gas from the 60kPa regulator, gas is drawn only from the 70kPa regulator. This continues until the cylinder supplying 70kpa falls to 60kPa and then the 60kPa regulator takes over the supply of gas to the burner.

Typical capacities of SCE supplied auto-changeover regulators are:

- 400MJ/h
- 500MJ/h
- 700MJ/h
- 1000MJ/h
- 2000MJ/h
- 3000MJ/h



Regulators up to 700MJ/h capacity are usually an assembly which cannot be dismantled into its component parts. The larger capacity regulators we supply as separate first and second stage and this enables a high pressure, smaller sized gas line to be run from the LPG compound to the motel or building where the appliances are fitted.

The Jeavons J125 OPSO regulator makes an ideal second stage regulator, breaking down from 70kPa to 2.75kPa with over pressure protection to 5kPa, or lower, which is ideal for appliances like the Rinnai Infinity.



We are agents for Riello Burners



SMRV/S100401

Don't forget we sell Gas Leak Detector Spray



- 11kW to 2290kW Gas Burners
- On/Off, Hi/Lo, Modulating
- 28kW to 1482kW Light Oil Burners

Now only \$8.00+GST+Freight

Quote of the Month

"The human heart creates enough pressure when it pumps out to the body to squirt blood 30 feet."

BACHARACH
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Flue Gas Analysers

BRAHMA
Pilot Burners
Burner Controls
Ignition Transformers
Gas Solenoid Valves

BROMIC
Appliance Regulators

CAMPINI
Thermostats

CATOBA
Pilots
Controls
Gas Valves

DIGITRON
Digital Manometers

DORMONT
Flexible S.S. Connectors
Quick Disconnect Couplings

DUNPHY
Gas, Oil & Dual Fuel Burners

ECOFLAM
Package Burners

GECA
CO Detectors
Gas Detectors

FLAMEFAST
Hot Metal & Heat
Treatment Equipment

ITAP
Gas Ball Valves

JEAVONS
OPSO Regulators
Appliance Regulators

KROMSCHRODER
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Gas Meters
Pilot Burners
Pressure Switches
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LP Gas Regulators

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Gas Control Valves

SATRONIC
Burner Controls

SCE
Test Points
Petes Plugs
Test Nipples
U-Tube Manometers

SEITRON
Gas Detectors

SHERWOOD
Auto Changeover Regulators

SIT
FFD's,
Flame Rods
Gas Controls
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Gas Control Valves