



274 Church Street
Onehunga

System Control Engineering NZ Ltd

THE GAS BIZZ BULLETIN

June 2010

Labels & Emergency Stop Buttons

**GAS
EMERGENCY
STOP**

Large Size: 200 x 125 mm
Part No: L0201L-TRAF



Keyless Emergency Stop Switch Twist Reset

- Simple mounting
- Compact design

L0201



Keyed Emergency Stop Switch

- Lockable
- Simple mounting
- Compact design

L0205

Self Adhesive Labels now available at SCE
Ideal to go with Valve Emergency Stop Buttons
also available at SCE

Hurry and place your order now!!!

A full range of Brahma and Kromschroder solenoids are available at SCE to meet voltage and pipesizing requirements for these emergency stop switches.

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

EVERY APPLIANCE REQUIRES A REGULATOR

Continued on from the May 2010 Gas Bizzz...

CHOICE OF REGULATOR:

Is determined by the following parameters:

- **INLET PRESSURE**
- **OUTLET PRESSURE**
- **GAS VOLUME FLOW**
- **GAS TYPE**



INLET PRESSURE

Natural Gas can be supplied at pressures as high as 420 kilopascals (60psig) or as low as 1.125 kPa (4.5"wg).

LPG supply pressure from a cylinder at 700 kPa (100psig) or through a first stage regulator at 14-70 kPa (2-10psig).

If the inlet pressure to the regulator is higher than the pressure rating of the control system downstream of the regulator, over-pressure protection is required. This can be a vented relief valve, a slam-shut regulator or a high gas pressure switch wired to shut-off the solenoid valves.

OUTLET PRESSURE

The pressure at which gas is supplied by the regulator is important for atmospheric burners because it dictates the amount of air that is inspired by the mixer supplying air/gas mixture to the burner head.

The standard low pressure atmospheric burner typically inspirates 60% of its air for combustion, at a Natural Gas pressure of 1 - 2 kPa, as primary air through the mixer and the remaining 40% of air is obtained as secondary air at the burner nozzle or flame port.

The minimum pressure for aeration of LPG-fired atmospheric burners is 2.75 kPa, (11 ins. wg).

Read our next month's Gas Bizzz for more information on Regulators...

DON'T FORGET...

We are Riello Burner Distributors

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



SMRVS100401

Don't forget we sell Gas Leak Detector Spray



Now only \$8.00+GST+Freight

Quote of the Month

"Never argue with a fool. People might not know the difference"

BACHARACH
Leak Detectors
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
Gas Filters
Gas Meters
Pilot Burners
Pressure Switches
Gas Solenoid Valves

MADAS
Gas Filters
Regulators

NAMCO
Combustion Equipment

OARA
LP Gas Regulators

PH PRODUCTS
Smoke Pallets

POLIDORO
Blade Burners
Atmospheric Burners

REGO
LP Gas Regulators

RIELLO
Package Burners

ROBERTSHAW
Pilot Burners
Thermocouples
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
Ignition Electrodes

WHITE-RODGERS
Gas Control Valves