



System Control Engineering NZ Ltd
For Gas, Combustion & Control Equipment

274 Church Street
Onehunga
Auckland

THE GAS BIZZ BULLETIN

July 2008



System Control Engineering NZ Ltd were proud to supply
Waikato Institute of Technology with all their
BACHARACH Fyrite Tech 60 Combustion Analysers and
DIGITRON PM80 Digital Manometers.



If you are interested in buying any test equipment or manometers,
give us a call to find out more about our
BACHARACH and **DIGITRON** range.

No specials this month

As of the 1st July 2008 we have implemented a new pricing structure.

Check out our lower pricing on consumables by telephoning
09 636 1401, Fax 09 636 1525 or
email: sales@systemcontrol.co.nz

Carbon Monoxide Alarms

Ideal for Domestic and Commercial Applications

Alarm & Relay Output

230 Vac

3 LED Indication

Calibrated to alarm at 50 ppm

Part Number: GE.SE115SC



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



Dave's Technical Tip

Condensing Boiler Systems

If we assume that flued gas appliances can achieve 80% efficiency after flue losses, including the latent heat of water vapor formation and losses due to nitrogen, the condensing boiler, which incorporates an additional heat exchanger in the flue gas passages can achieve approximately 10% more efficiency by condensing the water vapor in the flue gases and recovering this latent heat.

It should be appreciated however that when these appliances are used in a pumped system with a flow and return circuit, the return water must be below the dew point of the flue gases which is nominally 60° C.

Otherwise no condensation will occur.

Because the condensing boiler produces flue gases below 60° C. PVC piping can be used as a flue (although manufacturer's recommendations should be followed).

Also a drain pipe must be provided to pipe away the water of condensation from the appliance.

Thank you to Brian Pickering of Vector for his comment with regard to return water temperatures

This Month's Competition

Who was the skipper of KZ7 in 1986/1987?

Send your answer, name and preference of wine along with your contact details by the 31 July 2008 to:

competition@systemcontrol.co.nz
OR Fax: 09-636-1525



All correct answers will go in a draw to win a bottle of red or white wine.

Prize will be dispatched with next order.



Last Month's Competition

QUESTION: What was the name of the All Black that was known as THE BOOT?

ANSWER: Don Clarke

Congratulations to Linda from Action Plumbing & Gas Ltd of Kaiapoi who was the winner of last months competition. A bottle of wine will be on its way to you with your next order.



Quote of the Month

"Be nice to people on your way up because you'll meet them on your way down". - JIMMY DURANTE

BACHARACH
Leak Detectors
Flue Gas Analysers

BRAHMA
Pilot Burners
Burner Controls
Gas Solenoid Valves
Ignition Transformers

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

JEAUVONS
OPSO Regulators
Appliance Regulators

KROMSCHRODER
Gas Meters
Gas Filters
Pilot Burners
Pressure Switches
Gas Solenoid Valves

NAMCO
Combustion Equipment

OARA
LP Gas Regulators

PH PRODUCTS
Smoke Pellets

POLIDORO
Blade Burners
Atmospheric Burners

REGO
LP Gas Regulators

RIELLO
Package Burners

ROBERTSHAW
Pilot Burners
Thermocouples
Gas Control Valves

SAMTECH
Gas Meters
Leak Detector Spray

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