



## **Gas Installer/ Service Refresher Training Course Training sessions**

### **What is in the course?**

These courses are designed as a skills maintenance and skills advancement course: Specifically tailored to existing licensed gas installers of Type A gas appliances both domestic and commercial appliances

Updates on the correct installation procedures using the correct Australian Standards and with references to secondary Australian Standards:

Particular reference to AS5601 AS1596 and referencing AS4563 & AS4551

### **Who should attend and why?**

- Any gas fitter with a Gas Work license, who would like a practical real life gas license training upgrade: To underpin previous knowledge and update your gas experience to the current work methods in the gas industries:
- Increase your knowledge base in other areas of the gas industry:
- Do you want to learn about the next revolution beyond the Internet revolution: The energy & waste management revolution and sustainability boom- And how the gas industry is in the forefront and why?
- Find out how to calculate Carbon output for Electricity versus power and how to calculate the savings by using gas fired devices over electrically fired devices?
- Did you know there are gas fired Air-conditioners?
- If you would like to understand the new Risk Assessment processes & your new role in a safe gas installation.
- Looking at getting more income from providing a Gas Safety Test & Tag for Caravans, Marine and portable equipment. Hired or rented gas equipment provides a test.
- Want to learn about using more test equipment & why it must be part of the process? Like combustion analysis calibrators, electronic gas detectors, digital manometers, U-tube manometers gas rate meters (how to read) , injector charts and more.

### **What do you receive?**

- **The groups will be limited to a maximum of 15 attendees- places are limited.**
- **The success participant will receive a Certificate of attendance & successful completion and successful competency of the assessments.**

**The training skills maintenance training should be submitted in conjunction with your Compliance Certificates when the applicant renews their Gas Work License as proof of Skills Maintenance for their license.**

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### **Course Outline**

#### **Day 1- 10 hrs**

- **Correct installations**
  - a. Regulators using OPP when and where.
  - b. Appliance regulators
  - c. Reticulation systems- types and application
  - d. As 1596 overview and what has changed
  - e. Ventilation , natural ventilation
  - f. Flues do's & don'ts your responsibility
  - g. Mechanical ventilation versus interlocks.
  - h. Correct pipe sizes: Static Gas pressure, working pressures , burner pressures
  - i. AS5601 how to read the code and how it assists.
  - j. Pipe sizing and volume versus pressure
  - k. Gas defect notices your responsibility
  - l. Gas Compliance certificates
  - m. Caravans/ Mobile homes & Marine Overview

Knowledge Assessment

#### **Day 2- 10 Hrs**

- Gas conversions
  - a. Appliances how to convert Nat/LPG & vice versa- the do's & don'ts
- What is Vitiation?
- Co/CO2 ratio
- Setting up a complex appliances Type A?
- Flame failure why & when and where it is required
- How flame failure works
- Oxygen depletion pilots
- LEL & UEL
- Appliances from other countries
- What is Type A gas appliance certification

Knowledge Assessment

There will be a mix of practical and theory during the duration of the course:

**Course Cost \$880 Inc GST or \$660 early bird special paid by 15<sup>th</sup> July 2010**



**Registration Form: REGISTER EARLY**

Fax 07-32646539 or email [info@bizmatrix.com.au](mailto:info@bizmatrix.com.au)

**Short Training Courses JULY 2010**  
2 X 1 day Training Course

Applicant's Name: \_\_\_\_\_ Qualifications: \_\_\_\_\_

Prime Language spoken , if NOT English : \_\_\_\_\_ Pre-requisite – Must have a Gas work license? YES/NO

Special requirements needed: \_\_\_\_\_

Company Name: \_\_\_\_\_ Address \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email \_\_\_\_\_

Dates: Day 1 – 19<sup>th</sup> July 2010 Day 2- 26<sup>th</sup> July 2010

I will be attending YES/ NO

I would like you to add my name to the database to be notified of further courses: YES / NO

Address: \_\_\_\_\_ Email: \_\_\_\_\_

Please insert if an invoice is required: YES/NO and if yes list the name and ABN info you require on the invoice

I (Name) \_\_\_\_\_

Confirm I shall be attending the training session and enclose the payment details:

Signature: \_\_\_\_\_ Dated: \_\_\_\_/\_\_\_\_/\_\_\_\_

Payment system (Please tick below)

Cheque  Cash  Direct payment  Credit card payment

Fax 07-3264-6539 or email: [info@bizmatrix.com.au](mailto:info@bizmatrix.com.au) by 15<sup>th</sup> July 2010

**REMITTANCE ADVICE:**

Signature: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

**Early Bird \$ 660 inc GST \_\_\_\_\_ due 15<sup>th</sup> July 2010**

OR/ Registration Deposit Fee: \$440 inc GST \_\_\_\_\_ due 19<sup>th</sup> July 2010

Balance \$440inc GST due by 26<sup>th</sup> JULY 2010 \_\_\_\_\_

Amount to pay:--- \$ \_\_\_\_\_ INC GST - \_\_\_\_\_

Company or Name on invoice: \_\_\_\_\_ ABN \_\_\_\_\_

Address details: \_\_\_\_\_

BIZMATRIX RTO 32074

BIZMATRIX Pty Ltd

Direct Payment detail

Westpac Banking BSB 034-272 Account 198-650

INVOICE REQ YES/NO

PO BOX 489 ALBANY CREEK Q 4035