



TECHNICAL BULLETIN

INSERTA JETS



The Combustion Engineers for Gas, Oil and LPG

266 Church Street
Onehunga
Auckland
New Zealand

Phone: +64 9 6341610

Fax: +64 9 6345324

Email:

sales@combustioncontrol.co.nz

www.combustioncontrol.co.nz

Insertajets & Insertabars

PRODUCT NAME: *Insertajets and Insertabars*

PRODUCT ATTRIBUTE:

- Flame runs along the length of the bar with gross heat release
- Ratings per jet are varied by their centres and hole size of insertion
- Relevant injectors/inspirators must be chosen to provide the appropriate flame for your requirements

PRODUCT BENEFITS:

- Simple system of tap in flame port tips for easy fabrication onto bar burners
- Available in a range of three sizes
- To be fitted in either 1, 2 or 4 row patterns with the adjacent rows spaced $\frac{1}{2}$ " to 2" apart to suit the secondary air required to reach the inner rows of jets
- Operates at any gas pressure with smooth ignition

MECHANICAL DATA:

CCL ID No.	Insertajet size	Orifice dia. D (mm)	Insertion port D (mm)	Recommended Centres c (mm)	Nom. Rating at 6° wg NC btu/hr
6400	No 52	1.6002	5.9436	12.7	150
6401	No. 28	3.556	5.9436	12.7	500
6402	No. 8	5.0292	8.7122	12.875	1000

DESIGN PROCEDURE:

- To receive the heat release desired select one size of insertajet you propose to use and divide by total gross, this will give you the number of insertajets to be used
- Calculate the number of insertajets per row by dividing the flame run of the bar by distance between centres of insertajets

