



*Program the link...
get the finest reproducibility ever*



Prepares:

- Glass disks for XRF
- Solutions for AA and ICP analysis

Processes:

- Oxides
- Cement, ceramic, slag, glass, silica, carbonates
- Mining and geological samples
- Sulfides, fluorides
- Polymers, catalysts
- Pure metals, ferroalloys and other alloys
- Samples containing high volatile elements

Distinguishing features:

- Uses propane or LP gases only
- Computerized
- Automatic ignition & flame watching system
- Specially designed burners for heating uniformity



The First and Finest in Fusion



APPROVED



Instrument specifications

Electrical:	100, 115, 230 VAC; 100W; 50/60 Hz
Gas:	Propane or any other liquid petroleum gas (LPG) only
	Input pressure: 9 ± 1 PSI = 62 ± 7 kPa
	Number of burners: 3
	Maximum gas consumption (propane): $39 \text{ ft}^3/\text{h} = 18.4 \text{ l/min}$
	Maximum heat dissipation (propane): $98,000 \text{ Btu/h} = 29 \text{ kW/h}$
Dimensions:	45 x 52 x 41 cm
Weight:	50 lb. = 23 kg

Instrument benefits

SUPERIOR ANALYTICAL ACCURACY

<ul style="list-style-type: none"> • The crucibles rotate while inclined 	<ul style="list-style-type: none"> Efficient agitation and superior homogenization of the melt in less time.
<ul style="list-style-type: none"> • Specially designed burners • Consistent flame and temperature control (100 heating levels) • No temperature booster required 	<ul style="list-style-type: none"> Stable flame, especially at high and low temperatures. Uniform heating for reproducible results. Retention of volatile elements. High-performance at high altitudes.
<ul style="list-style-type: none"> • All fusion parameters can be modified: gas flow, mixing speed and amplitude, function duration, crucible angle & cooling air flow 	<ul style="list-style-type: none"> Efficient development and optimization of fusion techniques.
<ul style="list-style-type: none"> • Air/oxygen injectors in the crucibles (optional) 	<ul style="list-style-type: none"> Enhanced sample oxidation in the case of carbon-bearing samples.
<ul style="list-style-type: none"> • Non-wetting agent injector (optional) 	<ul style="list-style-type: none"> Prevention of non-wetting agent evaporation during fusion process.

USER-FRIENDLY

<ul style="list-style-type: none"> • Ten independent and user-customizable fusion programs available 	<ul style="list-style-type: none"> Assistance with method development.
<ul style="list-style-type: none"> • Can be linked to a computer • Easily adaptable software 	<ul style="list-style-type: none"> Creates, stores and recalls methods, notes and detailed sample information. 999 recipes available via computer.
<ul style="list-style-type: none"> • Fully automatic • Automatic ignition and flame-watching system • Approved CSA Norms 	<ul style="list-style-type: none"> Operates free of supervision.

ECONOMICAL

<ul style="list-style-type: none"> • Easy installation • Uses propane or LP gases only • Prepares 3 samples at a time • One-burner-per-sample design • Individual burner selection • No compressed air or oxygen required 	<ul style="list-style-type: none"> Low energy consumption. Low operation costs.
<ul style="list-style-type: none"> • Allows fusion of a wide variety of samples • Prepares glass disks and solutions with one instrument 	<ul style="list-style-type: none"> Versatile
<ul style="list-style-type: none"> • Reliable • Compact design 	<ul style="list-style-type: none"> Low maintenance and repair costs. Takes up less space in the laboratory.



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Look to Claisse for:

- further information on Claisse fluxes
- worldwide sales addresses
- free flux samples
- free consultation on sample preparation techniques

Please call or write

the fusion experts:

350, rue Franquet, Suite 45

Sainte-Foy (Quebec)

CANADA GIP 4P3

Telephone: (418) 656-6453

Fax: (418) 656-1169

E-mail: support@claisse.com

www.claisse.com