



**Waterloo
Manufacturing**
Company Limited

Boiler News

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CB-Hawk ICS INTEGRATED BOILER ROOM CONTROL SYSTEM

NO OTHER CONTROL WATCHES YOUR BOILER ROOM LIKE A HAWK

The CB Hawk ICS is a totally integrated control system embodying precise boiler/burner management control and safety with logic based ancillary devices and functions. The result is a coordinated system which maximizes efficiency, reduces operating costs, and increases productivity; delivering critical real time and historic information with the touch of a screen!

Using today's state of the art technology, the CB Hawk ICS soars to a new level, combining a highly powered high speed processor with sophisticated inter-communication protocol ("Ethernet/IP") for controlling and monitoring all of the important boiler system operating and safety functions in one synergistic, expandable package.

KEY FEATURES AND FUNCTIONS IN BASE PACKAGE:

- Integrated burner management control from pre-purge to post-purge.
- Flame scanning and amplifying.
- Processing inputs from solid state sensors measuring pressure and/or temperature.
- Firing rate control
- Thermal shock protection
- Night/day setback
- Outdoor reset
- Remote setpoint
- Lead/lag control for multiple boilers
- Variable Speed Drive (VSD) capability for combustion air and/or boiler feed pump(s)
- Auxiliary inputs available for monitoring boiler related devices and conditions.
- Human machine Interface (HMI) for setting operating conditions and accessing all operating parameters and alarm history. All this with the touch of a screen!
- Local electronic communication



CLEAVER-BROOKS BOILER BUCKS BEGIN TO PAY OFF! \$\$\$

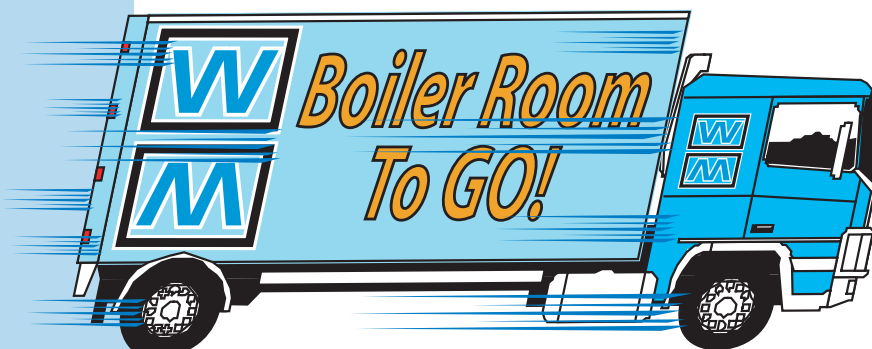
And the winners are

Chris Bridges – McNeil Consumers – Guelph
Greg Bell – Clarica-Sunlife – Waterloo
Ken Ball – Foseco-Morval – Guelph

Are you a winner as well ?!

Check your Boiler Bucks for the monthly draws on the Cleaver-Brooks website

www.cbboilers.com



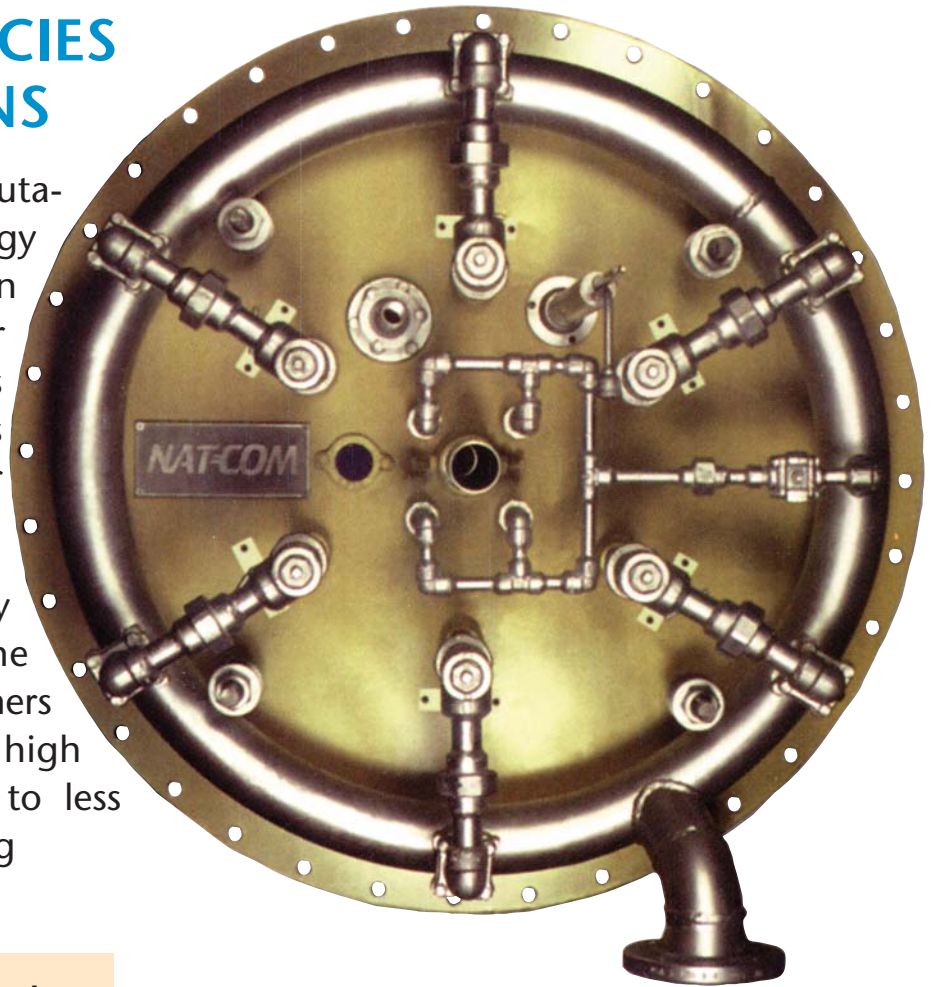
We understand how critical steam can be to your business. Even with preventative measures breakdowns can occur. We made up to 10,000 lb/hr steam which can be quickly integrated with your system and have you up and running again. For More info contact Ken Naugler.

NATCOM *BURNERS ARE CLEARING THE AIR WITH PURE POWER*

HIGHEST EFFICIENCIES LOWEST EMISSIONS

NATCOM'S advanced Computational Fluid Dynamic Technology (CFD) and flexible burner design can be applied to firetube or watertube boilers in size ranges from 4-400 MM BTU/HR as new boiler/burner packages or retrofit.

Bringing out the best in any boiler it is applied to, the NATCOM multi-fuel firing burners deliver peak performance, high efficiency and low emissions to less than 9 PPM NO_x when burning natural gas.



NATCOM burners can be found on packaged boilers in single burner sizes ranging from 20 to 400 MMBTU/Hr capacities, on multi-burner boiler applications burning fuels such as conventional Natural Gas to Waste Stream Gases, Hydrogen Gas, Digester Gas, and Crude to Waste Oils, serving industries such as Pulp & Paper Mills, Refineries, Mines, Institutions and Utilities.

NATCOM

National Combustion Equipment Inc.

A  **Company**

***Low Emission Burners for
new Boiler Packages and
Burner Retrofits***

www.waterloomanufacturing.ca

Phone (519) 884-0600 • Fax (519) 884-0213

Toll free 1-800-265-8809