

**MEASUREMENT & CONTROL SOLUTIONS  
FOR POWER AND STEAM GENERATION**

**Boiler/Steam  
Control &  
Measurement**

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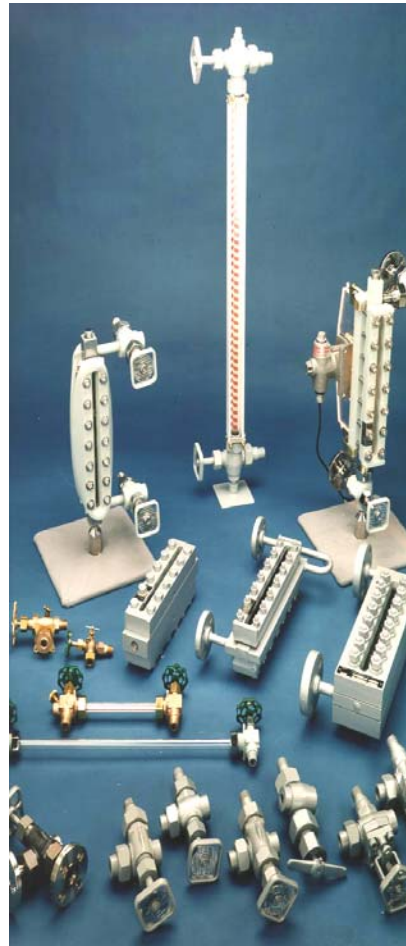
**ARE YOU UP TO CODE? YARWAY  
BOILER TRIM PRODUCTS CAN HELP!**

You can rely on Proquip, Inc for all of your boiler trim needs. We would like the opportunity to help with your next routine maintenance shut down.

As you may have heard, Yarway, Gilco, and Penberthy have merged to now offer a very complete line of drum level products. Furthermore all products are engineer certified to meet boiler code.

Call us today for assistance with:

- Direct Reading Glass Gages, Including Replacement Glass & Gas-kets.
- Magnetic Level Gages
- Replacement Electrodes for water columns.
- Multi-Probe Level Indicators.
- Multi-Probe Indicators with Internal Diagnostics extending probe life.



Optional Door Mounted Red/Green LED Display Shown

**TEMPERATURE MEASUREMENT THAT DOESN'T  
BURN A HOLE IN YOUR WALLET.**

Proquip, Inc. also offers a full line of thermocouple assemblies, RTD's, and Tubeskin assemblies for temperature measurement on boilers as well.

and housing designs that will extend the life of your measurement devices. Our knowledgeable staff can help size and apply these devices for your next routine maintenance shut down.

**CALL US TODAY!**



We offer several attachment

## CASHCO STEAM TEAM!

*Call Us today for a  
**free** Cashco Control  
& Regulator Valve  
Sizing CD!*

708-352-5732

*Did you know?*

*Free training seminars are also available and courses count as continuing education credits for P.E.'s. Call us today for seminar agendas & Packets.*

708-352-5732



Cashco's Pilot Operated Steam Regulator (POSR) Max. Inlet 300 psig with a Controllable outlet from 5 to 150 PSIG! Material is Steel or Iron. Used when you want to maintain constant steam pressure with a wide variation of flow! Sizes



Cashco's model D pressure reducing regulator! Use S2 trim and you have a fine Steam reducing station. It is not a high flow device but do you need it?? Max. Inlet pressure is 300 PSIG with a reduction range of 2 to 150 PSIG. It is a simple reducing regulator designed to do that "REDUCE THE PRESSURE" available in Steel, Stainless Steel and Iron construction. Flanged or NPT. Great device for knocking down the steam pressure.



The Cashco 1000 HP is the high pressure steam let down regulator. What I mean by high pressure is anything over 300 PSIG, but let's not forget the 1000 HP steam flood regulator that can reduce 2600 PSIG. The 1000 HP has been the top industry standard for steam reduction for over 80 years and we haven't changed it. Reduced range from 10 to 300 PSIG in Flanged or NPT connections, material of Steel, Iron, or Stainless steel. There isn't much in steam reduction this regulator can't do.



Cashco's model 2266 / 764T temperature controller. Here is where you want to be if the customer wants to maintain temperature on a vessel. All you do is install the 2266 in a steam line and insert the 764T into the vessel. Connect 20 psig to the 764T and run the output to the 2266 and your in business. There is even a nifty dial so you can increase or decrease the temperature. This is slick and inexpensive. The only way to take care of simple temperature control with steam.



Cashco's model Ranger QCT. W/764P pressure controller!

This is where you will get all the flow you could possibly want. "YOU WILL NEED AIR TO OPERATE" but when you want a high flow system the Ranger can supply it. The 764P allows the set up to be very competitive priced. It's such a simple control set up that the controller comes attached to the main valve. You install the whole works and attach 20 PSIG of air and your working. (Simple as that) Sizes available from 1" to 8" inlet ranges up to 1480 PSIG depending on material and sizes (lets watch those max. pressure drop limits) The material is Steel, Stainless Steel. or the inexpensive Ductile Iron.



## A GREAT WAY TO MEASURE NATURAL GAS USAGE.

Optimization of a fuel process can result in significant savings in fuel costs. Proper control of the air/fuel ratio to a burner results in the highest possible efficiency—maximum steam output for the least fuel consumption. Accurate flow measurement of the natural gas and combustion air is critical to achieve peak efficiency.



The topic of turndown needs to be combined with the discussion of accuracy and repeatability for an obvious reason. If the flowmeter is only accurate over part of the measurement range, your ability to optimize combustion over the entire operating range of the boiler will not be possible. A flowmeter with a wide turndown provides accurate and repeatable measurement over the entire operating range of the boiler. Fox flowmeters are based on Thermal Mass Flow technology that is highly sensitive to gas flow resulting in a turndown up to 100:1. The platinum sensor achieves long term stability because platinum is one of the most stable materials on earth. Fox delivers accurate and repeatable flow measurement over the full boiler operating range.

—Fox Thermal Instruments

The Fox FT2 provides a direct mass measurement in Standard Cubic Feet Per Minute. Alternatively, differential pressure devices, vortex, turbine, and variable area meters provide only a volumetric flow measurement. With these types of devices, changes in process pressure or temperature will result in significant measurement error. It is possible to obtain an inferential mass flow measurement by compensating the volumetric flow with pressure and temperature measurement in a flow computer. However, this combination of instruments is expensive to purchase, install, and maintain.

**Direct mass measurement is your best solution.**

### Model FT2 Gas Mass Flowmeter & Temperature Transmitter

- Measures gas flow rate in SCFM, NM<sup>3</sup>/Hr, and many more.
- Measures process gas temperature
- Outputs: 2 x 4 to 20mA one for flow rate and one for temperature; pulse output for flow total.
- RS232 for connecting a Palm Handheld or computer RS422/RS-485 Modbus, Profibus-DP, Devicenet & Ethernet,
- Insertion and in-line models.
- All welded 316 SS sensor construction. Hastelloy C276 Optional
- Microprocessor Based field programmable.
- On-board 2 x 16 character backlit display with configuration panel to view/set parameters.
- Palm Handheld terminal available to view/set readings and parameters when on-board display and configuration panel is not ordered.
- Nema 4x Enclosure, Designed for Class I Div. 2 Groups B,C,&D hazardous areas.
- NIST traceable calibration CE Approved.
- Low-end Sensitivity-Leak Detection.
- Negligible Pressure Drop.
- No Moving Parts.

*Call us today to schedule a demo for any of the products discussed in this newsletter.*

## NEW ASHCROFT DIGITAL GAUGE!

- A Multi-Functional Digital Gauge With Optional :
  - 4/20mA Output
  - (1) or (2) SPDT switches
- ± 0.25% Of Span Terminal Point Accuracy (0.13%BFSL)
- IP 65 Weatherproof Case
- Three Case Options: Stainless Steel, Fiberglass Reinforced Thermoplastic or aluminum
- Extra Large Display
- Easy To Use Menu Options: (All Password Protected)
  - 5 Backlite Display Options
  - Twelve Engineering Units
  - Menu Configure Feature
  - Update Rate
  - Dampen Rate
  - Auto-Off
- Intrinsically Safe. Class I Div. 1 Pending





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For Over 46 Years  
ProQuip, Inc. has offered more solutions than any other distributor for:

- Level Measurement
- Flow Measurement
- Pressure Measurement
- Temperature Measurement
- Process Control Solutions
- Control Valves & Regulators
- pH, Dissolved Oxygen & CO2, and Conductivity



### Literature Order Form

Please place an "X" next to the literature you would like to receive.

**Please Fax To: (708) 352-6389**

- Yarway Boiler Trim Products
- Alltemp Temperature Measurement Brochure
- Cashco Steam Team Binder
- Cashco General Brochure for Control Valves & Regulators
- Fox Thermal Mass Meter FT2 Technical Brochure
- Article "Simple Ways to Optimize boiler efficiency" By Randall L. Hayes
- Ashcroft Digital Gauge Technical Brochure
- Ashcroft General Catalog & Ordering Guide

Name: \_\_\_\_\_

Company: \_\_\_\_\_

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

City: \_\_\_\_\_ State: \_\_\_\_\_

ZIP: \_\_\_\_\_

Phone: \_\_\_\_\_

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

*Would you like to add a fellow employee to our mailing list?*

Name: \_\_\_\_\_

Company: \_\_\_\_\_

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

City: \_\_\_\_\_ State: \_\_\_\_\_

ZIP: \_\_\_\_\_

Phone: \_\_\_\_\_

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

