

353L

DELVAL EQUIPMENT CORP

Multi-Boiler Sequencing System

Lead Lag systems through the years have generally promised 3 things.

1. Superior Boiler Control
2. Affordability
3. Open Communications Architecture

The product delivered is often:

- A proprietary system, which, works well, if your boilers have a specific flame safeguard system. There are usually no provisions for boiler functionality after a failure (can't run the boilers under a local automatic control). The communication architecture is open to anyone who can figure out how the heck to talk to it. The cost to benefit ratio often leans more towards cost than benefit.
- An inexpensive, proprietary system which starts and stops the boilers but doesn't do much else. The unit can't communicate with any Building Automation Systems. The controller is usually turned off after about a year.

Wouldn't it be nice to find a Lead Lag system that balanced those three promises and also delivered on all 3?!

To this question.....



.....Delval has the answer

Introducing the **353L** Multi-Boiler Sequencing System.

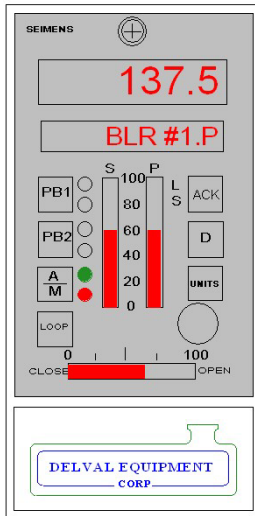
The **353L** offers an excellent balance of Affordability, Operability, and simple Open Communications. This balance is achieved through standard features like:

- 2 or 3 boiler sequencing
- Integral assured low fire cut-off for each boiler
- Integral minimum temperature control for each boiler
- Remote or Local operation of each boiler
- High and low pressure operation modes
- Standard MODBUS RTU communications
- Boiler control designed and built by boiler people for boilers we work with every day

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Quality of components and design go hand in hand with the **353L**. The Siemens 353 controller is its backbone. Delval ingenuity and experience is its heart. The following features make it smart: Integral assured low fire cutoff makes sure your boiler only turns off when it is at low fire.

Integral minimum temperature control assures that the standby boiler fires just enough to stay warm and ready to make steam as well as ramping a cold boiler to minimize thermal shock.

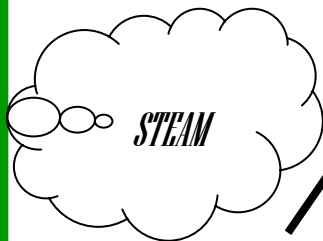
Remote Local operation guarantees automatic operation no matter what the circumstance.

High pressure mode utilizes steam header pressure only. Low pressure mode monitors the pressure of each boiler vessel to maximize accuracy and minimize overshoot.

MODBUS is the most widely used communication protocol to date. Simple, Dependable, Universal.



The **353L**'s peripheral components follow suit with balance of quality and affordability. Industrial grade quality assures long life. Affordability makes cost of ownership a little easier. Every aspect of this system was designed with this in mind. Installation is even made more cost effective through all low voltage wiring.



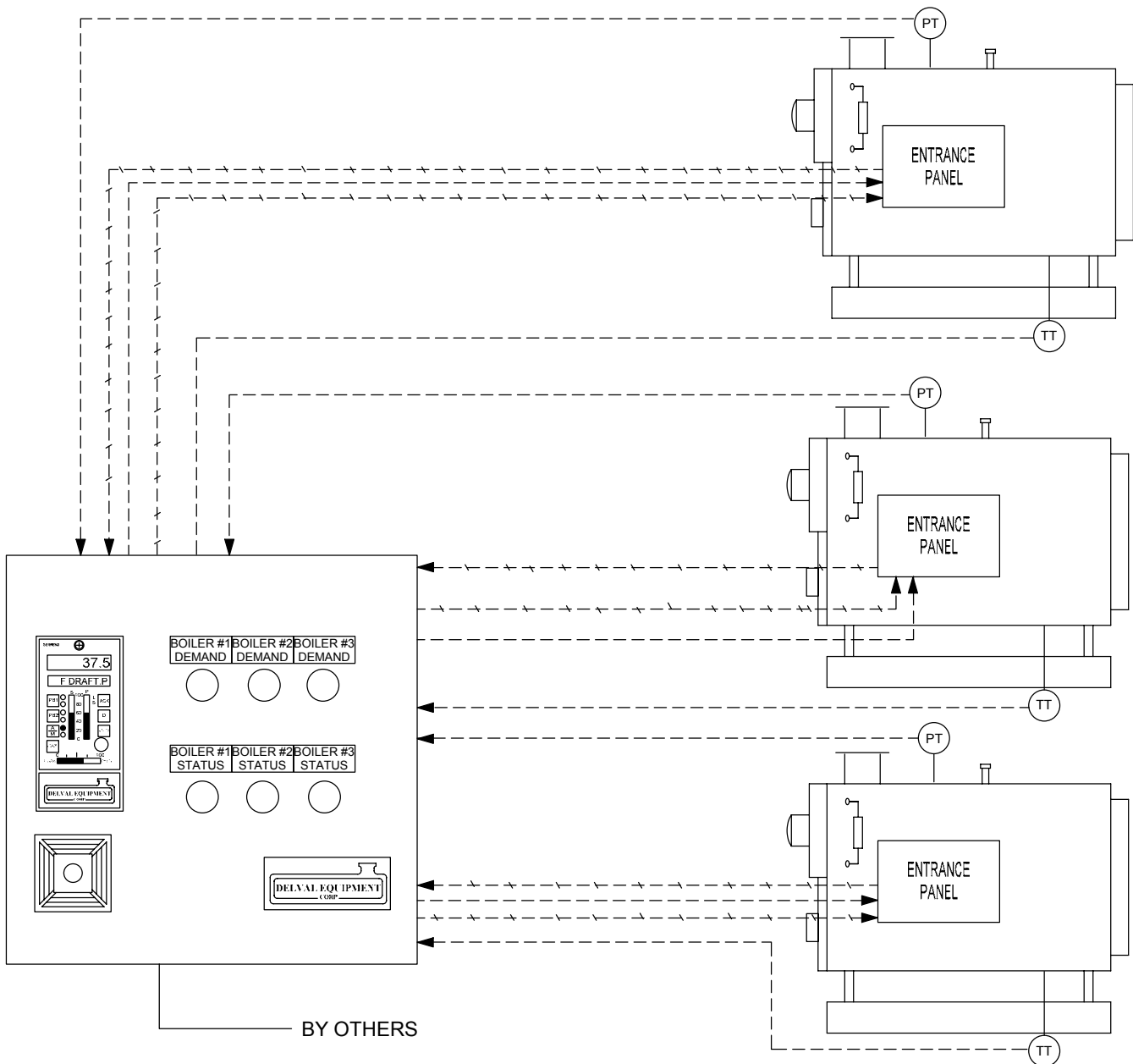
Standard control schemes for high or low pressure steam. Custom control tailored to your hot water system needs. This is possible thru Delval's hot water options.

After carefully weighing your options, we think you will see that the **353L** will not only keep your plant load balanced; it will help keep your budget in balance too. As your Delval sales person about the **353L** today.

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WIRING LEGEND

4-20 mA ANALOG SIGNAL ----

24VDC DIGITAL SIGNAL - - - -

120VAC POWER WIRING ———

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		FILE NO:	DRAWN BY:	DATE:	DWG NO.
		JL02-08020201A	JML	8/7/02	FIG. 1