

# MI SYSTEM

On-demand performance  
+ Modular Scalability for  
Large Applications




## ON-DEMAND STEAM:

Boiler turns on  
only when  
necessary

## STANDARD FEATURES

- ▣ Scalable Steam for long-term flexibility
- ▣ Automatically stage boilers to meet demand fluctuations
- ▣ Save up to 20% in annual fuel costs
- ▣ Provide equivalent boiler capacity in less than half the space
- ▣ Reduce CO<sub>2</sub> and NO<sub>x</sub> emissions
- ▣ Ideal for a wide range of applications from point-of-use to district energy

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The Multiple Installation (MI) System is becoming a worldwide standard. By utilizing multiple small, once-through boiler units, there's virtually no limit to the size of the system. This results in a more efficient steam production.

## SMART CONTROL

The BP Panel is the brain of the boiler room. It intelligently controls all connected boilers and bring it on-and-off as needed, keeps the right number of boilers online. Multiple units work together to share the steam load and keep up with changing demand within seconds.

With Miura's modular steam systems, you can meet fluctuating load demands, conserve fuel, scale production easily, and extend the lifespan of your boiler plant.

## SPACE SAVING

The compact footprint of Miura boilers offers great flexibility when designing a new or reconfiguring an existing boiler room. In addition to being half the size of a traditional boiler plant, Miura boilers eliminate tube pull-space and door-swing space requirements typical of conventional designs. This allows configuration of the boiler room for double the output of an existing boiler plant or reduction of its size by over fifty percent.

### PREVIOUS BOILER SPACE



### PROPOSED BOILER SPACE



Our compact design takes up 50% less floorspace when compared to a traditional firetube while providing comparable steam output

## BENEFITS OF MODULAR DESIGN

The modular concept achieved together with full steam generation in less than 5 minutes and the space saving design of the LX series allows the optimized efficiency and flexible operation of the steam system. Miura's multiple installation system connects multiple units of small sized once-through boiler units that work together to share the steam load and keep up with the changing demand within seconds. This efficient, safe, and on-demand steam system quickly adjusts firing rates or turns complete units on or off to match your industries fluctuating demands. It leads to fuel savings and lower emissions over a more traditional boiler system by cutting wasted fuel by turning off when not in use and not requiring them to stay warm or idle to meet demand. Operators have the flexibility by running just the required boilers. Take advantage of Miura's modular design to save space, time, fuel and emissions.



## PLANNED RELIABILITY ; N+1 REDUNDANCY

In a modular steam system, the risk is spread across multiple units, giving businesses improved reliability for continuous steam production. During plant inspection or maintenance, steam output responsibility shifts to other boilers in the system, minimizing the risk of production shut down. Instead of relying on one large boiler and another large emergency unit serving as N+1 redundancy, modular systems use multiple compact units to meet the full steam demand amount with an additional compact boiler serving as the N+1 redundancy. This method saves significant money and valuable room space.

## SCALABLE STEAM

One of the biggest advantages of a modular boiler system is scalability. With Miura's Multiple Installation System (MI), companies can configure an on-demand boiler system to address their fluctuating steam needs. The MI system allows you to configure your system with the exact number of boilers needed to build to present steam loads within precise tolerances. From there, it is a fairly easy process to add units to your Miura boiler system to meet steam requirements as your operations grow.

