

PROJECT PROFILE

MPS James Madison High School - Advanced Boiler System



OVERVIEW

James Madison is a comprehensive high school on Milwaukee's northwest side home to 648 students. James Madison was in need of updating their current boiler system. After learning about the benefits of Vyron's product offering; reduced operating cost, simplified control system, long lifecycle, high efficiencies, etc., MPS decided to partner with Vyron.

CHALLENGE

- Provide four large capacity condensing boilers with a short lead time to fit within space constraints.

SOLUTION

- Vyron provided Cleaver Brooks CFC-E Boilers, Cleaver Brooks HXO Heat Exchanger Skids & Jeremias Boiler Exhaust.

RESULTS

Energy-Efficient Operation

The superior heat transfer and low waterside pressure drop reduces pumping energy, gas and electrical consumption.

Boiler Room Space Savings

The compact design of the boiler system with minimal side clearance requirements allows for efficient use of space, reducing construction and maintenance costs associated with larger boiler rooms.

Lower Operating Cost

By minimizing pressure drop, the system reduces the energy required for pumping, resulting in lower operating costs.

AT A GLANCE

Owner: Milwaukee Public Schools

Contractor: Lee Mechanical

Vyron Engineer: Tim Barham & Andrew Ramirez

Engineer: Performance Services

Location: Milwaukee, WI

Application: School

Products: Cleaver Brooks CFC-E Boilers
HXO Heat Exchanger Skids
Jeremias Double Wall Insulated Boiler Vents

Benefits

- Ease of Maintenance
- Simplistic Design
- Short Lead Times
- User-friendly interface
- Outstanding Warranties
- Efficiencies above 90%



CLEAVER BROOKS WARRANTY

1. Pressure vessel is guaranteed against thermal shock for the lifetime of the boiler.
2. Pressure vessel, tubes, and tube sheets are guaranteed against flue gas corrosion & materials/workmanship for 15 years.
3. Condensate collection box is guaranteed against corrosion for 20 years.
4. Burner cylinder is warranted for 5 years.

****Contact Vyron for further details.**