

CASE STUDY WAREHOUSE



JOHNSON
AIR-ROTATION® HVAC SYSTEMS

JOHNSON AIR-ROTATION HVAC SYSTEMS DESIGNS AND MANUFACTURES TWO EXPLOSION-PROOF SYSTEMS

APPLICATION:

An electronic materials company serving a variety of industries including medical, graphic arts, optics, enterprise, storage, motion picture, and photography, needed a heating solution for their new warehouse expansion for the manufacturing of semiconductor materials.

MARKET:

Northeastern United States

BUILDING SIZE:

21,120 SQ. FT.

SYSTEM STYLE AND QUANTITY:

Two Indoor Heating Systems

DESIGN AND BUILDING COMPLICATIONS

The customer started investing in their United States sites in late 2018 to further expand the semiconductor materials business. This included their warehouse in the northeastern United States, which needed an explosion proof heating solution.

Johnson Air-Rotation provided two hot water heating systems rated at 7,500 CFM each with coils sized for 180 MBH; the Johnson systems had a hot water temperature of 180 degrees entering and 140 degrees leaving. For construction, the Johnson team used explosion proof direct-drive plenum fans and explosion proof panels and wiring. The systems had to be approved and fully certified for a Class 1 Division 2 highly flammable environment. The Johnson team worked with ETL to certify that both units met the explosion proof requirements.



Manufactured
in the USA



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