



CHILLERS CONTROL PANELS

Cutting-edge Technology for More Efficient, Reliable Chillers

EMCOR Services Shambaugh (ESS) offers state-of-the-art control panels designed specifically to help improve the functionality of your chiller systems. Chillers are among the **single largest energy consumers in a building**, and our control panels can help **significantly improve energy efficiency**, while also promoting reliability and minimizing system faults and failures.

Innovative Controls from Qualified Professionals

Our innovative control panel retrofit solution is designed for existing centrifugal and rotary screw chillers, regardless of brand/manufacturer or size. ESS technicians are uniquely qualified to install these panels and can retrofit virtually any chiller make and model. The controls come programmed with all the software needed to operate chillers and also provide performance monitoring, diagnostic and safety warnings, compressor motor soft start, and the ability to add variable frequency drives (VFDs).

Control Panel Benefits

- > Cut peak power demand
- > Achieve potential electric utility rebates

WHAT CAN WE DO FOR YOU?

EMCOR Services Shambaugh

Greater Indianapolis Metro Area
T: 317.803.4200

South Bend
T: 574.232.6900

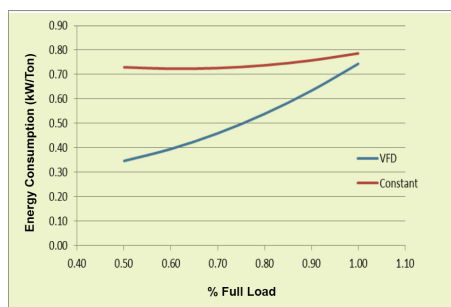
Detroit
T: 248.554.1053

esshambaugh.com

- > Reduce required chiller maintenance
- > Extend useful chiller life
- > Up to 30-percent reduction in energy use with VFD

Adaptable Technology for Simplified Integration

To help ensure they meet your unique needs, our control panels offer a high-level of operating flexibility, can easily be integrated into existing building automation systems, and provide all points mapping. Further, while they are specifically designed for chillers, they can also be used for a range of other applications—from self-contained units to refrigeration control to small chiller plant control.



Source: Micro Control Systems

System differences in efficiency between a constant speed chiller compared with that of a VFD operated chiller

MAJOR MARKETS SERVED

- Commercial
- Education
 - K-12 Schools
 - Universities
- Manufacturing/Industrial
- Automotive
- Public/Government
- Technology
- Telecommunications
- Data Centers
- Biotech/Healthcare
- Food Process
- Retail

Our controls can be utilized with the following equipment:

- > Chillers
- > Rooftop units
- > Condensing units
- > Centrifugal equipment
- > Screw compressors
- > Open drives
- > Screws on VFDs
- > Reciprocating compressors
- > Reciprocating on VFDs