

The Control Zone

Total Solution for all your Control Needs



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From the Desk of the President:

Hurricane season is almost over. It was a difficult year for all parts of our country and territories. Florida had a dry winter and spring with many counties fighting fires, and in September, we had a hurricane land directly in our area with lots of flooding. MCS made out okay but lost a few days of production. We have been hard at work developing some new exciting products for release early next quarter. Hope everyone has a great Thanksgiving and enjoy the upcoming holidays and new year.



Hanbell Releases New . . .

MAGNETIC BEARING COMPRESSORS



Centrifugal, two-stage, magnetic chiller compressors equipped with variable-speed drives are a relatively new technology that operates at a high efficiency.

Based on a case study, magnetic bearing compressors operate more efficiently than reciprocating and screw compressors during partial load conditions.

The magnetic bearings allow the compressor to operate without the use of oil for lubrication, which reduces energy losses due to friction and increases the heat transfer efficiency of the chiller, because no oil enters the evaporator or the condenser.

A variable speed drive on the motor allows the compressor to operate much more efficiently at partial loads than standard compressors.

The oil-free system also eliminates the need for oil maintenance, resulting in operations and maintenance savings.

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- Hanbell Magnetic Bearing Compressors
- MCS-Magnetic Bearing Centrifugal Controller
- 10.1 Touchscreen

Controls for New Magnetic Bearing Centrifugal Compressors

MCS-MAGNUM Magnetic Centrifugal Controller runs advanced software for the new Magnetic Centrifugal Compressors saving energy through optimization with MCS-EXV Drivers and MCS-MODBUS I/O control.

The MCS-MAGNUM is capable of controlling four Magnetic Bearing Compressors in the enclosure.

The MCS-Magnum Magnetic Centrifugal enclosures are made of powder coated aluminum for durability and longevity.

A left hand swing door is mounted with three eight-inch hinges for strength. A key lock is provided for security on the door while still giving easy access of the display.

This box is intended for use in an environment protected from the weather.

The MCS-MAGNUM Magnetic Bearing Centrifugal Controller Enclosure consists of a MCS-MAGNUM, a Touchscreen 15.4" display, a MCS-SI16A04 expansion board and MCS-MODBUS's boards.





The 10.1 Touchscreen is being tested in the field and is scheduled to be released the early part of 2018.

With the addition of the 10.1 touchscreen, we will be supplying our OEM customers with 3 different touchscreens to fit their chiller needs, 7", 10" and the 15.4".

Information and graphics on the MCS Touchscreens are shown on a high resolution (1280x800) LCD display with LED backlighting, which will guarantee long-life operation.

The Touchscreens are suitable for installation, both indoor and outdoor. Utilizing a gasket for an environment seal provides the unit with a NEMA 4 rating if installed in a NEMA4 enclosure.

With Internet Connection:

The user is able to email 'ALARM ALERTS' back to a technician.

The emails will include 'SAVE DIAGNOSTIC DATA' to help troubleshoot the alarm.

Also, with the internet connection, you can send 'SMS TEXT MESSAGES' with job site name and alarm, message only.

Without Internet Connection:

The user can save 'ALARM ALERT DATA' to a USB memory stick.

Also, you can save 'EXTENDED HISTORY DATA' to a USB memory stick for troubleshooting. This can be done with or without internet connection.

Results!

Why, man, I have gotten a lot of results. I know several thousand things that won't work.

Thomas Edison

Did you Know?

MCS is a privately held HVAC Controls manufacturer with over 100 years of Combined controls experience.

- *Over 60 thousand controllers shipped worldwide*
- *Representative Hanbell Compressors*
- *Partners with Sensing Technologies - design and manufacture of precision temperature sensors.*

The company was founded to meet the needs of the Utility and HVAC/R Industries with products based on the following design criteria:

Quality & Service

Cost Effectiveness

Ease of Use

Our Vision

Our vision is to continue to be a leader in the development of micro controls and peripheral devices which complement our controllers for the HVAC/R industry.

MCS Family

Our employees are one of the greatest assets we have.



Jennifer L. Hart

Meet the person who answers our phone with the friendly voice and great personality!!

Jennifer, Administrative Assistant at Micro Control Systems, joined MCS in 2015 to provide office support for the MCS team as well as customer service.

She was born and lived most of her life in Colorado but wanted to escape the colder climate and moved to Florida with her husband Bob.

When not working, she enjoys spending time with her feline friends and occasionally riding with Bob on his Harley or watching football (Dallas Cowboys).



MCS Energy Efficient and RoHS Compliant

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