Quantum™ HD Release Notes

OS Version 10.19

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IMPORTANT

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Released 5-21-2015

To upgrade to OS version 10.19 directly the current OS version must be 10.13 through 10.17. To check the current OS version on the Quantum HD controller select *Menu > About*. The current OS version is listed as the 2nd line item *"Software Version."*

If the current version is 10.12 or earlier you must first upgrade to OS version 10.13 before upgrading to OS version 10.19. Once the software is upgraded to ver. 10.13 you can upgrade directly to version 10.19.
The upgrade files as well as upgrade instructions for both OS versions 10.13 and 10.19 are available under "Resources" at…
http://www.johnsoncontrols.com/content/us/en/products/building_efficiency/products-and-systems/industrial_refrigeration/frick_equipment/refrigeration_equipment/refrigeration_controls/qauntum-hd-controls.html

OS Version 10.19 contains the following along with miscellaneous/minor bug fixes

- **Email** – Email Notifications was enhanced to make the Email feature easier to use.
    - A pre-configured Factory option was also added which will send emails using the QuantumHDFrick@gmail.com account. Using this account can be either a long term or a short term solution.

    - A "Send Test Notification" button has been added which will send an email to all the email addresses that are configured in the panel to test the functionality with the need to create an alarm

- **Condenser (R507 Refrigerant)** – R507 has been added as a refrigerant option for the Condenser Wet Bulb control feature.

- **Clear Alarm**s – A user must now be logged in before they have access to the Clear Alarms button on the Alarms page. Alarms can be silenced without logging but not cleared.

- **Remote Networking** – The Delete button has been fixed on the Remote Networking page so that Compressors can now be removed from Remote Networking.

- **Pressure Calibration Offset Range Checking** – Range checking limits the range for the offsets of pressure channels to +/- 15% of the total range of the pressure input channel.

- **Internet Explorer** – Made some Javascript changes to allow several features to work correctly in Internet Explorer 8.

- **Missing Compressor Oil Pressure A –** If the Compressor Suction Pressure is above 200 PSIA then the Missing Compressor Oil Pressure A safety will be triggered if Oil Pressure is less then Suction Pressure + 35 PSI. If the Compressor Suction Pressure is less than 200 PSIA the calculation has not changed.
  The Missing Compressor Oil Pressure safeties are active when the Oil Pump is set to No Pump or Demand Pump and for all compressor types except for the Vilter Single Screw which has a defined logic for demand/part time oil pump operation.
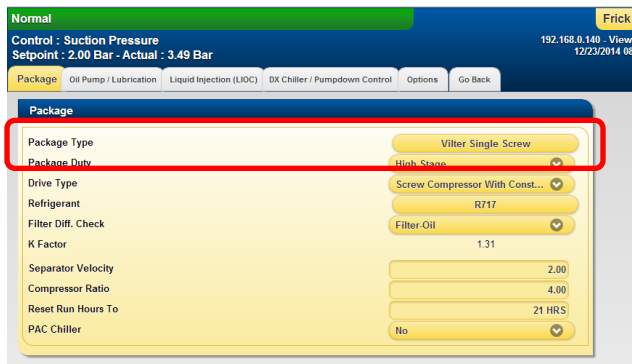
OS Version 10.18

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IMPORTANT

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Released 11-13-2014

OS Version 10.18 contains the following along with miscellaneous/minor bug fixes

Enhancements

- **Vilter Single Screw Control**

- **Improved Phd Vibration Monitoring scaling**

Changes

- Removed the "Calibrate Touch Screen" button when accessing a Quantum HD controller remotely.
- Opened the 4-20mA output range for the new "614" Analog Board to its full range of 0-24mA. This allows for a precise 4-20mA signal to be set in the field under load.

- Opened the range for VFD Skip Frequencies to 20%. (previously the range was 5%.) If the user enters a Skip Frequency range that is more than 5%, a Pop Up message that states, "Skip frequency bands larger than 5% may cause uneven capacity control." will appear. Press OK to acknowledge that statement.