

[Important: To upgrade from Quantum HD version 10.21 or earlier to version 10.30 or later requires the flashcard to be changed. These are available through the Baltimore Parts Center, part number 649A1131Gxx.](#)

## RELEASE NOTES FOR 10.50

# Compressor

### **Touchscreen Calibration**

- Added Screen Calibration button to “System Configuration” menu.

### **Watchdog Jumper Update**

- When the watchdog jumper process is initiated to clear setpoints, all settings are returned to factory defaults.

### **No Comms Message**

- Fixed issue where if a loss of comms occurs, the wrong error message would display on Compressor Overview page.

### **Product Scroll (System Networking)**

- Allow page to scroll if there are more products than can be displayed on the screen.

### **Software Upgrade Limitation**

- Only allow upgrades to a newer version. Changing the program to a previous version is no longer allowed.

### **Enhance Saved Setpoints**

- When setpoints are saved, folder now includes product and software version name in name.

### **Security/Users Scroll**

- Added ability to scroll through users when there are more users than can be displayed on the page.

### **Product Selection Banner**

- Updated look and feel of product selection banner. Lowered product selection dropdown, updated dropdown text to “Product Selection” and made product name text display.

### **Portuguese (Brazilian) & Spanish Language**

- Added Portuguese & Spanish languages to the product.

### **Language change on all products**

- Fixed issue where language would not update on all connected products.

### **Analog Aux inputs K-T**

- Added analog aux inputs K-T.

### **Filter Differential on Home Screen**

- The filter differential value was removed on the home screen if the filter differential check option is set to disabled.

### **Separator Temp – Recip compressor**

- Separator Temp has been removed from home screen if the Analog Board selection has been set to “None”. If the Package Type is not Recip, then the Separator temp is displayed on the homepage.

### **Setpoint Restoration**

- Addressed issue where several values would not transfer correctly from legacy setpoints.
  - Process Leaving and Entering Temperature board & channel assignments.
  - Filter Pressure Diff Check.
  - PID Setup Proportional Band and Integration Time setpoints.
  - Soft E-Stop Operation (touchscreen) when user is not logged in

### **Networking**

- Fixed issue where networking would not be set correctly when restoring setpoints.

### **Trending Select Data**

- Made the Select Data pages for both Historical and Real Time Trending screens match.

### **No Slide Valve Inhibit or Force Unload Message**

- When the Discharge Pressure is above the High Discharge Pressure Safeties setpoints for Inhibit Load and Force Unload, a Inhibit Load or Force Unload message is now displayed.

#### **Recycle Delay for VFD or Vyper drive**

- Fixed issue to properly display and control the Recycle Delay feature when a VFD or Vyper drive is selected and the Recycle Delay is either Enabled or Disabled.

#### **Separator Heater Control**

- When the Oil Pump type is set to “Full Time” and Oil Level Shutdown is Enabled, the Separator Heater output is now turned “Off” when the Oil Level Input is not energized. This aligns with the logic for No Pump and Demand Pump.

#### **Separator Heater Control - RWH, etc**

- Updated Separator Oil Heater control to cover RWH and other new compressor types.

#### **Alarm Output**

- Added a selection to allow the Alarm Output to be setup for “Energized” or “De-Energized” With An Alarm.

#### **Motor RPM increases, but SV unloads**

- Compressor with VFD. Compressor is started with SV above 0%. The RPM increases, but the SV unloads for various reasons. Inhibit messages now appear.

#### **Vilter Single Screw with Full Time Pump**

- When “Full Time Pump” is selected, **1)** Start and Run Oil safeties are now the same as with Demand Pump. **2)** Removed the Demand Pump “Stop CR” and Demand Pump “Restart CR” setpoints from the Vilter Setpoints page.

#### **Oil Level Safety**

- Oil Level Safety change now aligns with the Separator Heater changes.

#### **Pre-Lube Control**

- Fixed the prelube oil pump control to only run the oil pump before starting if the “Oil Pump Run Time Before Starting” setpoint is a value greater than 0 sec. The pump will only run for the specified time and then start the compressor.

#### **Separator Velocity Reference Setpoint**

- Increased Separator Velocity Reference setpoint High Limit from 100 to 150.

## RELEASE NOTES FOR 10.40

### Compressor

#### Real Time Trending

- Fixed issue that caused a constant loading screen to appear in certain cases.

#### Home Page – Setpoint Button

- The Setpoint button now takes the user to the appropriate screen based on the current mode.

#### Bump Motor Unresponsive

- Fixed issue where the button Bump Motor was unresponsive.

#### Mapfile Enhancement

- The MapFile is now included when Setpoints are saved.

#### Stopping Enhancement

- To make an “Instant Stop” more obvious when stopping a machine manually, the “Instant Stop” selection was changed to state “E-Stop” and was made larger and colored RED size to make it an easier selection.

#### Historical Trending

- Changed wording from “Trending” to “Historical Trending”.

#### Sequencing

- Enhanced this page to make external keyboard navigation more user friendly.

#### Software Upgrade

- Added message when no USB-Drive is detected.

#### Motor Amps/VFD

- Fixed issue where the CT value was not showing up correctly in certain circumstances.

#### Alarms

- Addressed various issues with Freeze Screen including adding new Analog Values to select from.

## **Cross Product Communication**

### Pressure Calibration – Pressure Resolution and Atmospheric Pressure

- Added Atmospheric Pressure setting to all products
- The Pressure Display Resolution was added to handle special compressor applications. This was removed from other applications.

### Sub-Navigation (Tabs)

- Sub-Navigation options are now a tab rather than just text.

### Alarms – Clear Safety History

- Added confirmation of “Are you sure you want to clear the Safety History?” when clicking the Clear Safety History button.

### Networking

- Added a “Add Factory Card” feature that allows you to commission a card on the Unity System where the Unity System’s Gateway has been altered from the original settings.
- You can now successfully restore Setpoints on a panel where the Unity System’s Gateway has been altered from the original settings.
- You can now successfully perform a system upgrade on a panel where the Unity System’s Gateway has been altered from the original settings.

## **RELEASE NOTES FOR 10.31**

### **Compressor**

- Added the "Vyper Info" tab & screen that was missing in ver. 10.30 when a Vyper (RAM) is selected as the drive type
- Rearranged the layout of the Drive > Vyper > Cooling screen to capture all displayed values on the screen
- Corrected an issue where the IP address of the panel is corrupted when the IP address is reset to a default by connecting pins 7-8 jumper of the JP1 jumper on the comms interface board (the default is 192.168.0.170)
- Added spaces to the beginning of a wrapped line in a comms log files
- To properly capture analog data in the "System Data Download", the process for doing this was reverted back to the previous process where all analog input values (configured or not) are included in the created spreadsheet when a "System Data Download" is executed

## **RELEASE NOTES FOR 10.30**

### **Compressor**

- Transitioned Quantum HD compressor program to the "Unity" framework
- implemented the ability to communicate with the WEG SSW-06 and SSW-07 Soft-Starter devices
- Corrected an issue dealing with the conversion of Hg (negative) pressures when the Atmospheric Pressure was set to something other than 14.7 PSI
- Corrected an issue where the units were not being displayed correctly for the
- Setpoint and Actual data on the title bar when an Analog Aux input is selected as the capacity control input
- Changed code to set the output for the superheat control outputs to 0% when one is disabled
- Corrected an issue where upon power up the IP address would reset to 192.168.0.170 and the processor would reboot if a jumper is detected on JP1 pins 7 & 8 of the Communications Interface board.
- Corrected an issue where the IO integrity Check logic did not catch certain conflicts in I/O configuration