

HL HEATLESS DESICCANT AIR DRYER

HL800 – HL5000

Compression Technologies and Services
Davidson, NC 28036

Date: **01-Sep-2017**
Cancels: **All Previous**

INSTRUMENTATION, OPTIONS AND ACCESSORIES

Instrumentation

The following instrumentation helps in monitoring dryer operation and performance. Instruments, which are available as options, are also noted.

Dryer On Light

The dryer on light on the control panel indicates when the dryer is turned on and operating.

Dryer Off / Warning Light

The dryer off / warning light simply provides a clearly visible indication that the dryer has registered an alarm. The nature of the alarm is displayed on the controller monitor.

Controls

A microprocessor controller with integrated keypad interface provides instant access to dryer performance controls. The controller is specifically programmed to execute all valve switching functions as well as monitor dryer operation. The controller includes the following:

- Backlit 2 x 16 Character LCD Display
- Human-Machine Interface (HMI)
- Modbus Compatible (RS232)
- Remote Alarm Contact
- Failure Code Storage
- Dryer Schematic Display:
 - Dryer On Light
 - Dryer Alarm Light
 - Left/Right Tower Drying Light
 - Left/Right Tower Regeneration Light

Electrical Rating

NEMA 4 supplied as standard. Constructed in accordance with UL/ULC 508A.

Remote Contact

Two usable dry (voltage free) contacts to allow for hookup of remote audible or visible system malfunction alarms. A normally open and normally closed set of contacts rated for 10 amps and 12V are provided. Contacts change state with dryer power on.

OPTIONS

Energy Management System - EMS (Optional)

See separate sheet on optional EMS.

High-Humidity Alarm (Provided with EMS option)

The sensor triggers a visible alarm if the dew point of the outlet air exceeds the factory setting.

4-20 mA Output Signal (Optional – requires EMS)

4-20 mA analog signal for remote monitoring of dewpoint.

Fail to Shift (Optional)

Pressure sensors located on each vessel trigger a visible alarm if a vessel does not depressurize or repressurize properly.

-100°F Dew Point (Optional)

The dryer cycle time is decreased to a 4 minute Nema cycle, 2 minutes for the drying vessel and 2 minutes for the regenerating vessel. The dryer capacity must be de-rated by 20%.

3-Valve Bypass (Optional)

A block and bypass valve around the entire dryer package will be supplied on dryer packages for HL90 to HL1500. For models HL1800 and larger, the filters, piping, and 3-valve bypass will be installed on a separate filter skid.

High Pressure (Optional)

For applications above 150 psig contact Marketing.