

EH HEATED DESICCANT AIR DRYER

EH150 –EH8000

Compression Technologies and Services
Davidson, NC 28036

Date: 15-Mar-2016
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 so 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 operator monitor.

Electrical Rating

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

Dual Mode Operation

The dryer can be operated as a heatless dryer in the unlikely event of a heater failure.

Controls

A microprocessor controller with integrated keypad interface and 2 line display 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 LCD Display
- Human-Machine Interface (HMI)
- Modbus Compatible
- 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
 - Heater On Light

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 120V are provided. Contacts change state with dryer power on.

Fail to Shift

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

High Heater Temperature Alarm

Shuts the heater off if temperatures exceed the set point.

Heater Failure Alarm

Indicates heater malfunction.

OPTIONS

Energy Management System (EMS)
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 PDP Output Signal (Optional – Requires EMS)

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

-100°F Dew Point (Optional)

Provides -100°F air for critical air applications. Especially well-suited to electronics, chemical or pharmaceutical applications, where even very small concentrations of water can affect product quality. No de-rate in dryer capacity necessary.

3 Valve Bypass (Optional)

A block and bypass valve around the entire dryer package will be supplied on dryer packages for EH150-EH1500. For models EH1800 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.