



# HLA & HL HEATLESS DESICCANT AIR DRYER

Compression Technologies and Services  
Davidson, NC 28036

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Cancels: All Previous

## PNEUMATIC OPERATION

Background: Ingersoll Rand offers a Pneumatic Operation option for all heatless desiccant dryers. This option permits operation of the desiccant dryer without the need for electricity. This is particularly useful where no electric source is readily available or for applications in which introducing electrical equipment may be undesirable due to the hazardous classification of the environment. Refer to the Ingersoll Rand Hazardous Location Policy for details on acceptable hazardous area classifications. The Technical Manual furnished with each desiccant dryer provides proper instruction on set-up, operation and maintenance of all heatless desiccant dryers. This addendum defines the materials and limitations of those dryers furnished with the Pneumatic Operation option.

Components: The following chart illustrates the components that are removed / added to the standard heatless dryer to enable fully pneumatic operation:

Component	Component removed from standard dryer	Corresponding component added for Pneumatic Operation.
Timer	Microprocessor Controller	Pneumatic Timer
Control Solenoids	Control Solenoid Valves	Pneumatic Control Valves are included on Pneumatic Timer.
Indicator Lights	Status Panel	Pneumatic On / Off Indicator

Operation: All switching functions as described in the Technical Manual remain the same with the pneumatically operated dryer. Note that options that require electricity, such as EMS & High Humidity Alarm, in addition to the operation options of the Microprocessor Controller, are not available on pneumatically controlled dryers. For hazardous location applications that require electrical options, contact the factory for assistance.

Maintenance: Given that the timer and all components responsible for proper dryer operation require clean air, inspect the pilot air filter (included on all dryers with Pneumatic Control) regularly according to the Technical Manual. All other relevant precautions and inspections indicated in the technical manual should be observed.