



# HLR HEATLESS RENTAL DESICCANT AIR DRYER

HLR600 – HLR2700

Compression Technologies and Services  
Davidson, NC 28036

Date: 20-Mar-2017  
Cancels: NEW

## STANDARD CONSTRUCTION

**DESICCANT** – High strength 1/4” activated alumina.

**PARTICULATE PREFILTER** - A particulate (G) filter is factory mounted on the dryer package. Compressed air initially passes through this filter, collecting dust and particulate, protecting the coalescing prefilter.

**COALESCING PREFILTER** – A high-efficiency (H) coalescing filter is factory-mounted on the dryer package. The compressed air is pre filtered prior to entering the dryer's drying vessel to collect any contaminants such as water or oil droplets from the upstream compressor. The filter has a 0.01 micron rating and 0.008 ppm rating.

**AFTERFILTER** – A particulate (G) filter is factory-mounted on the dryer package. The compressed air is filtered downstream from the drying vessel to collect any dusting that may have occurred as a result of the drying process. The filter has a 0.1 micron rating.

**DRAIN VALVE** – Dryers include pre-wired solenoid drain valves for particulate and coalescing prefilters for constant removal of contaminants.

**FILTER DIFFERENTIAL PRESSURE INDICATORS** – These are included on pre and afterfilters to monitor the condition of filter elements. Filters are equipped with a dual scale differential pressure gauge. Filters for HLR2100 and larger dryers are equipped with a color coded differential pressure gauge.

\* For maximum energy efficiency it is recommended to change prefilter and afterfilter elements every year or when they indicate restricted flow.

**DRYING VESSELS** – Of welded steel construction, all HL models are ASME code stamped. Removable stainless steel screens are provided in the inlet and outlet nozzles of each desiccant tower to prevent carry-over of desiccant. Accessible fill and drain ports.

**TOWER PRESSURE GAUGES** – 2-1/2” or 3-1/2” dial, 0-300 psig, brass bourdon tube panel mounted for ease of visibility.

**PRESSURE RELIEF VALVE** – A full flow safety valve is located on each desiccant chamber. Pressure relief valve is set at 165 psig.

**SWITCHING VALVES** -

- High-performance non lubricated diaphragm valve
- Normally open inlet valve
- Normally closed exhaust valves
- Integrated pilot air circuits.

**OUTLET CHECK VALVES** -

All models use a high performance, steel bodied check valve with aluminum internals and a silicon seat.

**ELECTRICAL ENCLOSURE** – NEMA 4 standard. Constructed in accordance with UL/ULC 508A.

**CONTROLS** – Solid State Controller. Includes visual indications for:

- Dryer on
- Power on
- Left and right tower drying indication
- Fail to Shift

**ASSEMBLY** – Fully assembled on a self-supporting fabricated steel frame designed for rental service.

**MANUAL PURGE**

**ADJUSTMENT** – A purge adjustment valve is included with a mounted purge pressure gauge. Refer to dryer label for purge settings.

**MUFFLERS** - One for each purge air outlet to reduce the noise level of the purge air exhaust to within OSHA standards.