

Heatless Air Dryers

Precise Air Purification



Dual Tower Heatless Desiccant Air Dryer



EAP 
Engineered Air Products

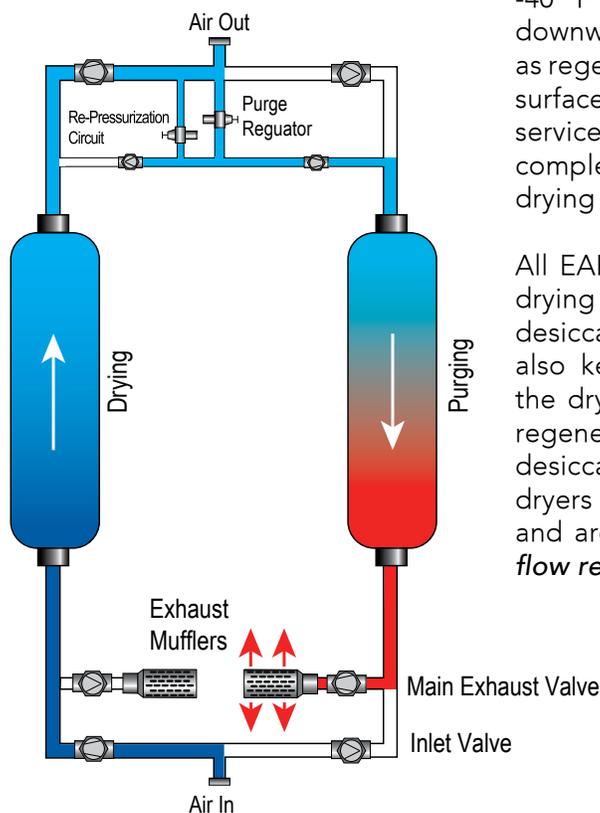


As manufacturing processes continue to improve with rapid advancements in technology, the requirements for clean, dry compressed air critical for sensitive applications is imperative, regardless of the compressor technology. The use of dried and filtered air lowers plant operational costs by preventing corrosion from forming in plant air distribution systems causing expensive pressure drops, premature wear of pneumatic devices and freeze up when seasonal drops in temperature occur. Utilizing dried and filtered compressed air increases overall product quality, decreases rejected material due to inconsistent air quality and reduces maintenance costs associated with condensate contamination of costly production equipment.

Engineered Air Products has been at the forefront of Desiccant Dryer development and manufacturing since 2008, establishing EAP as the leader in low dew point dryer technology with *focus* on desiccant dryers capable of ISO Class 8573-1, class 3 for dew point or better. EAP's team of engineers and product developers designing industry leading products, sales and service teams conveying superior product knowledge and support and manufacturing professionals combining synergies to build the most technologically advanced dryers available anywhere. A customer centric approach with emphasis on customer service enables EAP to flourish and grow a robust independent distribution network with ease of doing business and top-notch customer service top priorities.

HL Series

The HL Series Heatless compressed air dryers are comprised of two identical and equal columns or towers filled with an adsorbent media called desiccant, a hygroscopic rigid material which is nano-porous and sponge-like providing large surface to mass ratio. The drying process is fairly straightforward with compressed air saturated with water vapor flowing upward through the drying tower with the water molecules adhering to the porous surface of the drying media where the residual water content of the compressed air is lowered to a pressure dew point of -40°F or lower. Concurrently, some of this purified air (15%) is directed downward through the depressurized off-line tower in a process referred to as regeneration, where this dry air sweep desorbs water molecules from the surface of the media, exhausted to atmosphere, preparing that column for service. This process is known as pressure swing adsorption and is typically completed in a fixed 10-minute NEMA cycle, with the towers alternating drying – regenerating typically every 5 minutes.



All EAP dryers take advantage of gravitational forces and utilize up-flow drying and down-flow (counter current) regeneration resulting in minimum desiccant abrasion and attrition. This method of drying and regenerating also keeps bulk liquid moisture from system upset on the bottom of the drying tower where it is easily expelled during depressurization and regeneration and ensures optimum performance ensuring the driest desiccant towards the top of the tower nearest to exit. HL Series heatless dryers are the most reliable and least expensive of the "twin tower" types and are more energy efficient thanks to features like *Cycle Stop*, *Purge flow regulator*, and *Optional Demand Control*.

Complete Air Treatment Solution



The HL Series Dryers are designed to be a complete air treatment solution sized for low pressure drop and performance, outfitted with standard equipment to include an oil removal 0.01 micron coalescing pre - filter, desiccant dryer for moisture removal, and a 1 micron particulate after filter in one complete package. Standard 120/1/60 with differential pressure indicators on each filter with pre-filter automatic drain all mounted to a rugged industrial steel base to ensure a solidly anchored system.

HL-15 to HL-1500

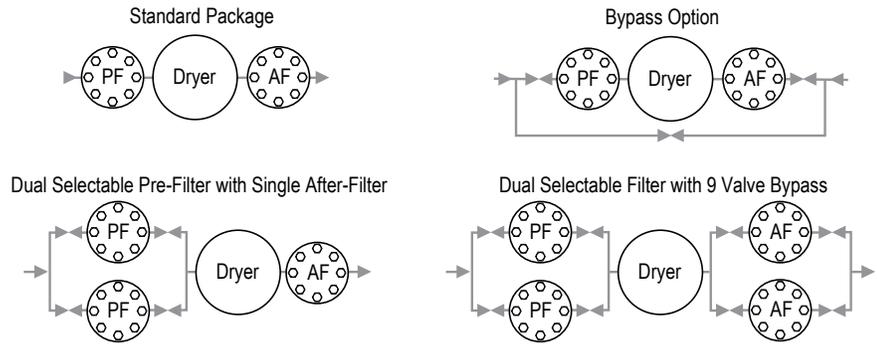
EA Series Cast Filters:

- Cast Aluminum Construction
- Delta P Gauge
- Automatic Timer Drain
- .01µm Particle Removal
- .01 PPM Max. Carryover
- 250° F Max. Temperature
- 250 PSIG Max. Pressure

HL-2000 to HL-5000

ZF Series Fabricated Filters:

- Carbon Steel Construction
- ASME Coded Stamped
- Flange Connections
- Delta P Gauge
- 2-Stage Large Filtration
- Automatic Timer Drain
- 1µm Particle Removal
- .1 PPM Max. Carryover
- 275° F Max. Temperature
- 200 PSIG Max. Pressure



Consult factory for additional filter packages

Designed for Reliability

All EAP HL Series dryers are designed for reliability and reduction of costly down time. EAP accomplishes this by exclusive use of a stainless-steel three-way inlet valve (up to 800 SCFM) that results in a 30% reduction in control valves. This design simplification results in a more reliable package at a lower cost. **These valves are so reliable that they come with a three-year limited factory warranty.** Rotary Actuated High-Performance Butterfly valves are used on 1,000 SCFM and larger.

		HL-200 HEATLESS DESICCANT AIR DRYER GENERAL ARRANGEMENT		TOLERANCES UNLESS OTHERWISE SPECIFIED: FRACTIONS == 1/4" ANGLES == 3° INCHES == 1/2" FINISH == 200		THE SPECIFICATIONS AND DRAWINGS ENCLOSED HEREIN ARE THE SOLE PROPERTY OF ENGINEERED AIR PRODUCTS, LLC. THIS SHALL NOT BE COPIED OR USED AS THE BASIS FOR SALE OR MANUFACTURE WITHOUT EXPRESS WRITTEN PERMISSION.																																																							
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HL Dryer Logic Pro Controller



The EAP HL Dryer controller features a dependable Allan Bradley PLC with four-line digital display and text status. The linkage between all aspects of dryer controls are hard wired and are easily field serviceable. Controls include run / standby switch, active cycle mode, tower drying indication, tower regenerating indication, run status. Tower pressure gauges, moisture indicators and filter differential pressure indicators are included ensuring an intuitive interface.

The cycle control keys allow the user to optimize dryer cycle time to plant demand and differing air quality needs. The exclusive **auto start** allows the dryer to start itself once power is introduced and will auto restart following a power failure once power is restored. Standard **Purge Stop** allows the dryer to use purge air only when the compressor is running or loaded saving significant amounts of energy and wear, preventing the dryers' purge from short cycling the compressor during lighter loads.

Digital Display Features:

- Active Mode
- Tower Drying Indication
- Tower Regenerating Indication
- Run Status



Optional EcoTronic Demand Control

EcoTronic Demand Control automatically adjusts energy use to actual moisture loads. Typically, compressed air loads vary due to changes in inlet air temperature, pressure, relative humidity and flow. Since dryers are generally sized for worst cast scenarios, and rarely take into consideration these varying loads, fixed cycle dryers switch based on a timed cycle only, and thus regenerate more frequently than probably necessary. Dryers equipped with **EcoTronic Demand Control** operate by sensing dryer discharge dew point and regenerate only as needed. If dryer load is lower than worst case conditions, the online tower will remain online beyond its fixed cycle time, thus saving energy by not switching and purging as frequently.



Alternatively, if the dryer were to experience a temporary over load condition, coupled with a high dew point alarm (typically -20° F) due to a number of potential factors including elevated inlet air temperatures due to a fouled or dirty air cooler, the dryer will automatically initiate **Dew Point Overload Control** (Patent Pending). This feature, once enabled, will automatically adjust the dryers' cycle to recover and operate at the original dew point set point (typically -40° F). Once successfully recovered, the dryer will revert to its original operating mode and allow on site personnel to address the root cause. **This feature is revolutionary and exclusive to EAP.**

HL Dryer Standard Equipment



Allen Bradley PLC Controller:

- Four-Line Display
- NEMA 4X Control Enclosure
- Selectable Cycles
- Cycle Stop
- cETLus Approval Control Panel
- Adjustable Re-pressurization Timing
- Dew Point Overload Control

E-Z Switching Valves

- Three-Way Inlet Reduces Number Of Valves
- Soft Switching For Extreme Valve Life
- Led Valve Position Indicator
- Three-Year Warranty On Switching Valves

Factory Installed Filters

- Hard Point Mounting For Installation Integrity
- Delta PSI Gauges For Element Condition
- Pre-Filter Timer Drain

Regulated Purge (HL100 and larger)

- Factory Pre-Set
- Optimum Purge Regardless of Operating Pressure
- Independent Re-Pressurization Circuit

Tower Dew Point Indicators

- Visual Dew Point Condition

Welded Frame Base

- Maintains Structural Integrity of Dryer
- Move With Standard Fork Truck

Additional Features

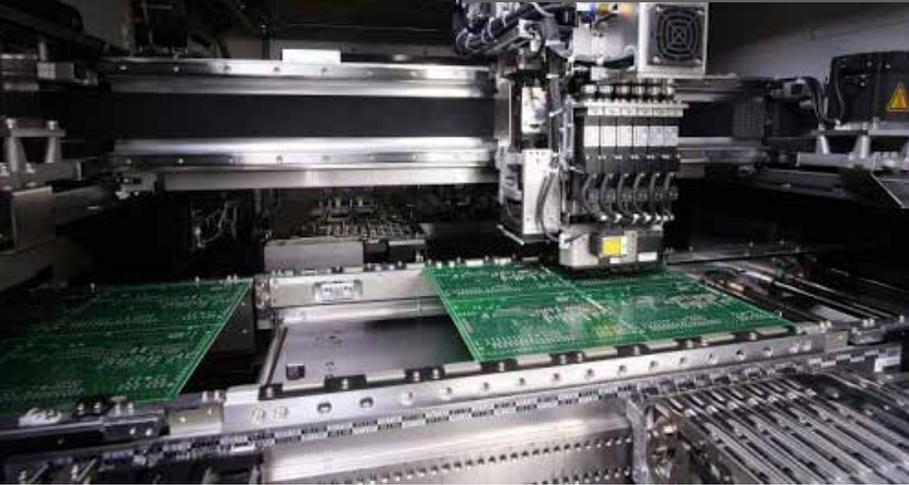
- Tower Pressure Gauges
- OSHA Approved Mufflers
- ASME / CRN Approved Vessels (HL-100 & Larger)
- Desiccant Fill and Drain Ports
- ASME Safety Relief Valves
- Standby Mode
- Manual Cycle Stepping
- Control Line Filter / Regulator

Optional Equipment

- Dual Filter and By-Pass Packages
- High Pressure See HHP Page
- -100° F Pressure Dew Point Dee HLD Page
- EcoTronic Dew Point Demand Control
- Dew Point Recovery Mode
- Custom Paint and Finish Systems
- NEMA 7 Electrics or Other Area Classification
- Modbus and Other Communication Protocols
- Custom Designs
- Differential Pressure Gauges and Transmitters
- 304 Stainless Steel Control Tubing with Swagelok Fittings
- Consult Factory for Additional Options



HL Dryer Specifications



	Pressure		Multiplier
	psig	barg	
60		4.13	.65
70		4.83	.74
80		5.52	.83
90		6.21	.91
100		6.89	1
110		7.58	1.05
120		8.27	1.10
130		8.96	1.16
140		9.65	1.20
150		10.34	1.28
175		12.06	1.34
200		13.78	1.43
225		15.51	1.51
250		17.24	1.59

Capacity Correction Factors

Model	SCFM @ 100 PSIG	Line Size (Inches)	Electrics	Dimensions L x D x H (Inches)	Unit Shipping Weight (lbs)	Maximum Pressure (PSIG)
HL15	15	½	120V/1/60	22 x 14 x 48	135	150
HL25	25	½	120V/1/60	22 x 14 x 60	155	150
HL50	55	½	120V/1/60	24 x 18 x 60	220	150
HL75	75	1	120V/1/60	28 x 24 x 86	335	150
HL100	100	1	120V/1/60	27 x 30 x 79	425	150
HL130	130	1	120V/1/60	27 x 30 x 79	465	150
HL200	200	1½	120V/1/60	31x 32 x 82	685	150
HL250	250	1½	120V/1/60	30 x 32 x 90	755	150
HL300	300	1½	120V/1/60	31 x 32 x 90	800	150
HL400	400	2	120V/1/60	32 x 38 x 93	1,000	150
HL550	550	2	120V/1/60	32 x 36 x 93	1,235	150
HL650	650	2	120V/1/60	32 x 36 x 93	1,360	150
HL800	800	2	120V/1/60	38 x 38 x 93	1,645	150
HL1000	1000	3FL	120V/1/60	46 x 56 x 93	2,365	150
HL1250	1250	3FL	120V/1/60	84 x 64x 100	3,530	150
HL1500	1500	3FL	120V/1/60	90 x 64 x 99	3,925	150
HL2000	2000	4FL	120V/1/60	96x 84 x 123	5,315	150
HL2600	2600	4FL	120V/1/60	96 x 84 x 126	6,205	150
HL3000	3000	4FL	120V/1/60	96 x 84 x 126	6,575	150
HL4000	4000	6FL	120V/1/60	108 x 107x 112	11,055	150
HL5000	5000	6FL	120V/1/60	129 x 128 x 117	11,740	150

Specifications subject to change without notice.

Sizing based on the Compressed Air and Gas Institute CAGI ADF 200 Standard for Compressed Air of 100 PSIG inlet pressure, 100 degrees F inlet temperature and -40 degrees F pressure dew point providing ISO Quality to standard 8573-1 rating 1-2-1 for Compressed Air Quality.

Inlet temperatures to 120° F (49° C)

200 - 1000 psig unit available.

HLD Low Dew Point Dryer

EAP HLD Dryers are designed to provide -100° F pressure dew point for a variety of applications and industries such as Petrochemical, Microprocessor, Semi-conductor' Electronics, Food and Beverage, Gas Separation, Pharmaceutical, Medical, laboratory and Prosthetics, and not to mention ultra-low ambient temperature applications. To achieve these low dew points, EAP has developed a unique solution in a heatless desiccant dryer.



Standard Equipment

- -100° F Pressure Dew Point
- Allan Bradley PLC Controller
- Four- Line Display
- NEMA 4X Control Enclosure
- Selectable Cycles
- Cycle Stop
- cETLus Approved Control Panel
- E-Z Switching Valves
- Three - Way Inlet Valve Reduces Number of Valves
- Soft Switching for Extreme Valve Life
- Led Valve Position Indicator
- Three - Year Warranty on Switching Valves
- Factory Installed Filters
- Hard Point Mounting for Installation Integrity
- Delta PSI Gauges Filters For Element Condition
- Pre - Filter Timer Drain
- Optimum Factory Pre-Set Purge Regardless Of Operating Pressure
- Regulated Purge (HI100 & Larger)
- Independent Re-Pressurization Circuit

Optional Equipment

- Dual Filter And By-Pass Packages
- High Pressure (200-1000 Psig)
- EcoTronic Dew Point Demand Control
- Custom Paint And Finishes
- NEMA 7 Electrics Or Other Area Classifications
- Modbus And Other Communication Protocols
- Custom Designs
- Consult Factory For Additional Options
- Differential Pressure Gauges And Transmitters
- 304 Stainless Steel Control Tubing With Swagelok Fitting

HLD Specifications

Model	SCFM @ 100 PSIG	Line Size (Inches)	Electrics	Dimensions L x D x H (Inches)	Unit Shipping Weight (lbs)	Maximum Pressure (PSIG)
HLD15	15	½	120V/1/60	22 x 14 x 52	265	150
HLD25	25	½	120V/1/60	23 x 18 x 54	345	150
HLD50	55	½	120V/1/60	24 x 32 x 86	510	150
HLD75	75	1	120V/1/60	24 x 32 x 82	625	150
HLD100	100	1½	120V/1/60	42 x 32 x 87	780	150
HLD130	130	1½	120V/1/60	42 x 32 x 87	780	150
HLD200	200	1½	120V/1/60	42 x 32 x 87	930	150
HLD300	300	2	120V/1/60	50 x 36 x 101	1180	150
HLD400	400	2	120V/1/60	50 x 36 x 101	1420	150
HLD550	550	2	120V/1/60	66 x 82 x 102	1860	150
HLD650	650	2	120V/1/60	66 x 82 x 102	2480	150
HLD800	800	2	120V/1/60	66 x 82 x 102	2480	150
HLD1000	1000	3FL	120V/1/60	66 x 82 x 107	2800	150
HLD1250	1250	3FL	120V/1/60	88 x 74 x 101	3510	150
HLD1500	1500	3FL	120V/1/60	86 x 83 x 109	4280	150
HLD2000	2000	4FL	120V/1/60	119 x 107 x 93	6800	150

HOF Oil Field Construction



EAP Heatless Oil Field (HOF) air dryers provide clean, dry compressed air resulting in improved air system operation and unparalleled reliability and safety in an often-unforgiving environment. The rugged design provided standard features that are either not available on competitive brands or require customer modification that proves unreliable and difficult to service as equipment ages.

HOF dryers are the result of many years of experience providing quality compressed air to our oil and gas partners and is a product specifically designed for instrument air and utility process requirements.



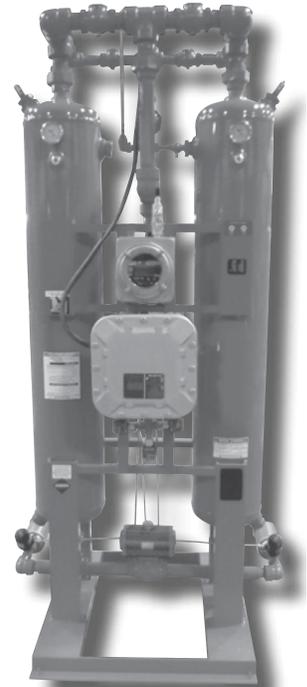
Standard Control Panel



Optional NEMA 7 Enclosure



Optional EcoTronic Demand Control with Digital Dew Point Readout



Standard Equipment

- Inlet Air Temperature To 120° F
- Dew Point To -60° F or Lower
- 50% Less Moving Parts
- Simplified Operation With Intuitive Digital Display
- Exclusive Visual Led Indication Of Valve Status
- Schedule 80, A106b Seamless Piping, 3000# A105 Fittings
- 1000 Psig Non Lubricated Inlet Valve With High Cycle Life
- PLC Digital Controller (UL Listed) By Allen Bradley
- Two Selectable Modes of Operation; Standard Cycle -40° F PDP, Low Dew Point Mode For -58° F or Lower
- Four-Line Digital Display
- Quality Materials of Construction
- ASME / CRN Approved Pressure Vessels (100 SCFM And Larger)
- 2.5 Stainless Steel Angle Seat Exhaust Valves
- ASME /CRN Pressure Vessels (HOF100-800)
- cETLus Compliant Control Panels
- Factory Mounted Filters
- NEMA 4X Control Panel Enclosure
- Regulated Adjustable Purge
- Regulated Control Air
- Separate Re-Pressurization Circuit (100 SCFM And Larger)
- OSHA Approved Mufflers
- CRN Approved Safety Valves
- Stainless Steel Needle Control Valve (HOF-15 To HOF-75)
- Stainless Steel Control Tubing And 316 Stainless Steel Compression Fittings

Optional Equipment

- ASME / CRN Pressure Vessels HOF-15 to HOF-75
- Non Yellow Material Of Construction (Stainless Steel / Nickel Plated Valves)
- EcoTronic Dew Point Demand Control Monitoring System with 4-20 mA Outputs
- NEMA 7 Construction
- Class 1 Div. 2 Group C & D
- Class 1 Div. 1 Group C & D
- Cyclic Service Rated Tanks

HOF Specifications



Model	SCFM @ 100 PSIG	Line Size (Inches)	Electrics	Dimensions L x D x H (Inches)	Unit Shipping Weight (lbs)	Maximum Pressure (PSIG)
HOF-15	15	½	120V/1/60	22 x 14 x 52	175	200
HOF-25	25	½	120V/1/60	22 x 14 x 52	200	200
HOF-40	40	½	120V/1/60	25 x 18 x 59	355	200
HOF-75	75	1	120V/1/60	24 x 32 x 78	440	200
HOF-100	100	1	120V/1/60	24 x 32 x 78	455	150
HOF-125	125	1	120V/1/60	24 x 32 x 78	485	150
HOF-200	200	1½	120V/1/60	29 x 32 x 80	690	150
HOF-250	250	1½	120V/1/60	29 x 32 x 89	780	150
HOF-300	300	1½	120V/1/60	29 x 32 x 89	830	150
HOF-400	400	2	120V/1/60	32 x 36 x 91	1,040	150
HOF-500	500	2	120V/1/60	32 x 36 x 92	1,270	150
HOF-600	600	2	120V/1/60	32 x 36 x 92	1,450	150
HOF-800	800	2	120V/1/60	39 x 38 x 92	1,690	150

Specifications are subject to change without notice.

Sizing based on the Compressed Air and Gas Institute CAGI ADF 200 Standard for Compressed Air of 100 PSIG inlet pressure, 100 degrees F inlet temperature and -40 degrees F pressure dew point providing ISO Quality to standard 8573-1 for Compressed Air Quality. Inlet temperatures to 120° F (49° C)

**HOF-200 OIL FIELD
DESICCANT AIR DRYER
GENERAL ARRANGEMENT**

DRAWING NO. **EA20-707** REV. **E**

SCALE: N/A SHEET: 2 OF 2

TOLERANCES UNLESS OTHERWISE SPECIFIED:
FRACTIONS ± 1/4"
ANGLES ± 3"
INCHES ± 1/2"
FINISH ± 250

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REV.	BY	DESCRIPTION	DATE	APPROVED
1	0548	NEW CHECK VALVES	2/15/20	WA

PARTS LIST		
ITEM	QTY	DESCRIPTION
1	2	PURGE CHECK VALVE
2	1	PURGE REGULATOR
3	1	OPTIONAL DP TRANSMITTER
4	1	REPRESS SOLENOID VALVE
5	1	MOISTURE INDICATOR
6	1	CONTROL PRESSURE REGULATOR
7	2	OUTLET CHECK VALVE
8	1	PARTICULATE AFTER FILTER
9	2	RELIEF VALVE
10	2	TANK PRESSURE GAUGE
11	1	COALESCING PRE-FILTER
12	1	TIMED DRAIN
13	1	3-WAY INLET VALVE
14	2	ANGLE BODY EXHAUST VALVE
15	2	EXHAUST MUFFLER
16	230 lbs	DESICCANT

HHP High Pressure



EAP's HHP high pressure heatless dryers are specially designed for higher pressure applications. They are available in three specific designs rated for maximum working pressures of 250, 500, and 1000 PSIG. Desiccant loading, contact time and velocities are specifically adjusted for these high pressure conditions. All HHP dryers utilize a 1000 PSIG stainless steel non lubricated three way inlet valve with high cycle life and actuated ball valves are used for exhaust. The HHP line is not

simply a modified HL dryer, but a dryer designed and built to withstand higher pressure applications.

25-1000 SCFM @ 250 PSIG
50-5,200 SCFM @ 500 PSIG
75-1,800 SCFM @ 1,000 PSIG

Standard Equipment

- Dew Point To -40° F Or Lower
- 50% Less Moving Parts
- Simplified Operation With Intuitive Digital Display
- Exclusive Visual Led Indication Of Valve Status
- Schedule 80, A106B Seamless Piping, 3000# A105 Fittings
- 1000 Psig Non Lubricated Inlet Valve With High Cycle Life
- PLC Digital Controller (UL Listed) By Allen Bradley
- Four-Line Digital Display
- Quality Materials Of Construction
- ASME / CRN Approved Pressure Vessels (100 SCFM and Larger)
- 2.5" Stainless Steel Liquid Filled Pressure Gauges On Each Tower (CRN Registered)
- cETLus Compliant
- Factory Mounted Filters
- NEMA 4X Control Panel Enclosure
- Regulated Adjustable Purge And Control Air
- Separated Re-Pressurization Circuit (100 SCFM and Larger)
- OSHA Approved Mufflers
- ASME / CRN Approved Safety Valves
- Stainless Steel Needle Control Valve (HHP-15 To HHP-75)
- Stainless Steel Control Tubing And 316 Stainless Steel Compression Fittings

Optional Equipment

- ASME / CRN Pressure Vessels HOF-15 To HOF-75
- Non Yellow Material Of Construction (Stainless Steel / Nickel Plated Valves)
- EcoTronic Dew Point Demand Control Monitoring System With 4-20 mA Outputs
- NEMA 7 Construction
- Class 1 Div. 2 Group C & D
- Class 1 Div. 1 Group C & D
- Cyclic Service Rated Tanks

HHP Specifications



250 MAWP			500 MAWP			1000 MAWP		
25-1000 SCFM			50-5200 SCFM			75-1800 SCFM		
Model	SCFM @ 100 PSIG	Line Size (Inches)	Model	SCFM @ 100 PSIG	Line Size (Inches)	Model	SCFM @ 100 PSIG	Line Size (Inches)
HHP-25-3	25	½	HHP-50-5	50	½	HHP-75-10	75	½
HHP-55-3	55	½	HHP-95-5	55	½	HHP-130-10	130	½
HHP-140-3	140	¾	HHP-200-5	140	¾	HHP-250-10	250	¾
HHP-250-3	250	1	HHP-350-5	250	1	HHP-400-10	400	1
HHP-300-3	390	1½	HHP-550-5	390	1½	HHP-750-10	750	1½
HHP-570-3	570	1½	HHP-800-5	570	1½	HHP-1000-10	1000	1½
HHP-1000-3	1000	2	HHP-1400-5	1000	2	HHP-1800-10	1800	2

Specifications are subject to change without notice.

All systems are provided with Engineered Air Tuned Regeneration along with the Purge Saver Energy Management System resulting in maximum KW savings based on air usage.

HHP-300-3 HEATLESS 250 PSIG DESICCANT AIR DRYER GENERAL ARRANGEMENT

DRAWING NO. **HHP-300-3** REV. **C**

SCALE: N/A SHEET: 2 OF 2

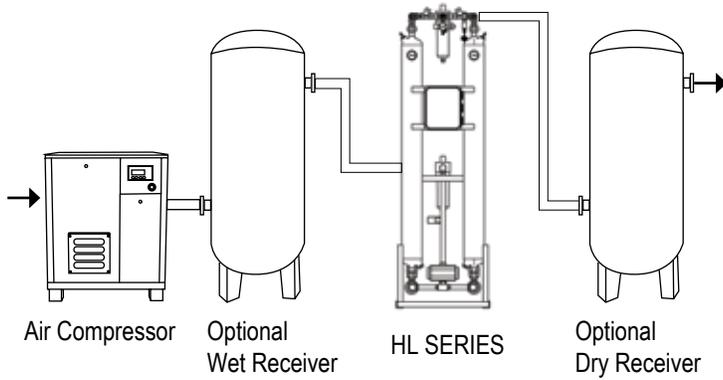
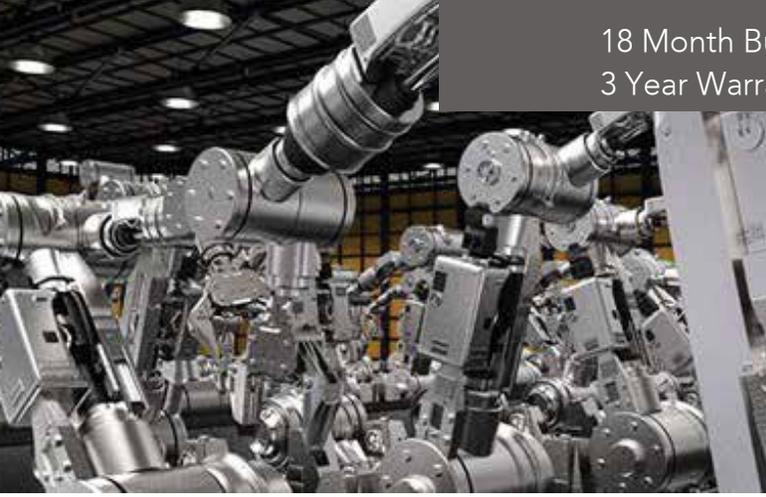
TOLERANCES UNLESS OTHERWISE SPECIFIED:
 FRACTIONS -- 1/4"
 ANGLES -- 3°
 INCHES -- 1/2"
 FINISH -- 250

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REVISION LOG			
REV.	ECO.	DESCRIPTION	DATE
C	0003	FINALIZED AS BUILT	2/20/20

PARTS LIST		
ITEM	QTY	DESCRIPTION
1	2	PURGE CHECK VALVE
2	1	PURGE REGULATOR
3	1	OPTIONAL DP TRANSMITTER
4	2	OUTLET CHECK VALVE
5	1	MOISTURE INDICATOR
6	2	RELIEF VALVE
7	1	CONTROL PRESSURE REGULATOR
8	1	PARTICULATE AFTER FILTER
9	1	SOLENOID REPRESS GAUGE
10	1	CONTROL PRESSURE GAUGE
11	2	TANK PRESSURE GAUGE
12	1	COALESCING PRE-FILTER
13	1	TIMED DRAIN
14	2	ANGLE BODY INLET VALVE
15	2	ANGLE BODY EXHAUST VALVE
16	2	EXHAUST MUFFER
17	1	OUTLET TEMPERATURE GAUGE
18	1	INLET PRESSURE GAUGE
19	320 lbs	DESICCANT

18 Month Bumper to Bumper Warranty
 3 Year Warranty on Blower, Heater and 3 way Switching Valve



ISO 8573.1:2010 Quality Class	DIRT Maximum Number of Particle Size per m ³ in micron	WATER Pressure Dewpoint °C (ppm. Vol.) at 7 bar g	OIL (including vapour) mg/m ³
0	As specified by equipment or supplier. More stringent than Class 1.		
1	<20,000 0.1-0.5	-70 (0.3)	0.01
2	<400,000 0.1-0.5	-40 (16)	0.1
3	<90,000 0.5-1.0	-20 (128)	1.0
4	<10,000 1.0-5.0	+3 (940)	5
5	<100,000 1.0-5.0	+7 (1240)	25
6		+10 (1500)	-

HL Series meet ISO 8573-1 Air Quality of 1.3.1

Since all HL Series Dryers are provided with factory mounted filtration and drain systems, installation is a snap.



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