



## HPSA - HEATLESS PRESSURE SWING ADSORPTION

This proven technology is designed and built in our Burton upon Trent factory by a highly skilled team of engineers working to EU engineering standards. Although we have a standard range of product available off the shelf for next day delivery, we can build bespoke dryers to suit specification applications and private label them for OEM customers.

HPSA dryers are sold as "Plug and Play" and come skid mounted with their own filtration package with pre and after filtration as standard.

These dryers use positively driven valves and full flow non-return valves and have no "shuttle valves" as fitted within inferior quality dryers.

Designed for a long trouble free service life, each HPSA uses Dri-Zorb 27 desiccant media which delivers constant low dewpoints whilst using the lowest possible amount of regeneration air.

The digital control panel which has LED display as standard, can be upgraded to include digital dewpoint display and dewpoint control. It can communicate with most BMS systems and compressors for automatic stop /start or timed duty.

All Hi-line products are supported by a Nationwide network of Hi-line Service Engineers, for the service and maintenance of air dryers of all brands of manufacture, both Adsorption and Refrigeration.

<b>Medium:</b>
Compressed air / nitrogen
<b>Medium temperature:</b>
max. +50 °C
<b>Ambient temperature:</b>
min. +4 °C, max. +50 °C
<b>Medium:</b>
min. 4 bar (g), max. 11 bar (g)
<b>Power supply:</b>
230 V/ 115 V AC/ 50 - 60 Hz, 24 V DC or pneumatic
<b>Electrical power consumption:</b>
approx. 40 W
<b>Dewpoint (PDP):</b>
-20C, -40 °C or -70 °C

### Technical Specifications- HPSA Desiccant Dryers

Dryer Type	Capacity			Conn	Wgt Kg	Dimensions		
	Scfm	Nm³/m	Nm³/h			W	D	H
HPSA-70	75	2.12	128	1"	90	580	620	1340
HPSA-100	100	2.83	169	1"	130	630	620	1540
HPSA-135	135	3.82	230	1 ½"	260	750	700	2020
HPSA-165	165	4.67	280	1 ½"	310	750	700	2230
HPSA-225	225	6.37	383	1 ½"	370	1450	910	2200
HPSA-280	280	7.92	476	1 ½"	450	1450	910	2500
HPSA-350	350	9.91	595	2"	480	1280	910	1970
HPSA-450	450	12.74	765	2"	510	1280	910	2350
HPSA-565	565	15.99	960	2 ½"	700	1520	1100	2200
HPSA-735	735	20.81	1250	3"PN16	900	2350	830	2360
HPSA-850	850	24.06	1445	3"PN16	950	2350	830	2610
HPSA-1130	1130	31.14	1920	4"PN16	1200	2350	850	2870

Larger heatless dryers are available, however please consider zero loss option HBP dryers above 1000m³/hr. Compressed Air CAPACITY @ 7 Barg 35°C.

### General Information

- One Year Warranty (parts & labour)
- Electrical Panel to 17th Edition IEE Regs
- Stainless Steel Pipework
- Independent Switching Valves
- EU Standard Coded Vessels
- Fully Automatic Self Contained
- HDC1 Digital Dewpoint Controller
- Painted RAL 5015
- Vessel Pressure Gauges
- IP 65 Protection
- Exhaust Silencers
- Made in the U.K.
- Skid Mounted
- Pre & After Filters Included

### Optional Equipment

- AEMS - Automatic Energy Management System
- Includes: Digital Dewpoint Readout  
High Humidity Alarm  
Set & Demand Regeneration
- Dewpoint to -70 degrees C
- Control Air Filter with AEMS
- Auto Start/Stop Control



HDC 1 Dewpoint Controller



Filtration package as standard



**AIRLANE**  
making PNEUMATICS WORK for you

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