

**LINGYU凌宇**

**—COMPRESSED AIR SYSTEM—**  
ZHONGSHAN LINGYU MACHINERY CO., LTD.



## >Main Product:

- Air cooled/water cooled /energy-saving refrigerated dryer
- Heatless regeneration / heated regeneration / modular adsorption dryer
- Zero loss/micro air consumption adsorption dryer
- PSA nitrogen generator
- Filter and accessories

### Corporate mission:

To provide professional, comprehensive and competitive complete solutions and services for industrial gas separation and purification

### Corporate vision:

To be a leading enterprise in the industry and create a world-renowned brand

### Corporate development philosophy:

Technology-supported value-driven

### Marketing strategy:

To win the market with high-quality products and professional service

# HH SERIES

## HEATLESS REGENERATION ADSORPTION AIR DRYER

### ■ Operating conditions

**Applicable fluids:** compressed air, non-corrosive air

**Rated air inlet pressure:** 0.7 MPa

(0.6 MPa ~ 1.0 MPa is allowed, other pressure levels can be customized)

**Rated air inlet temperature:** 10°C ~ 30°C

(**Limit air temperature:** ≤ 40°C)

**Average regeneration gas consumption:** 8% ~ 14%

**Outlet pressure dew point:** ≤ 40°C

**Adsorbent:** High-quality activated alumina

**Rated ambient temperature:**

35°C (Can be used at 2°C ~

45°C)



### ■ Design Features

**High-performance pneumatic valves are employed, delivering reliable operation, sensitive response, fast and dependable switching, and long service life;**

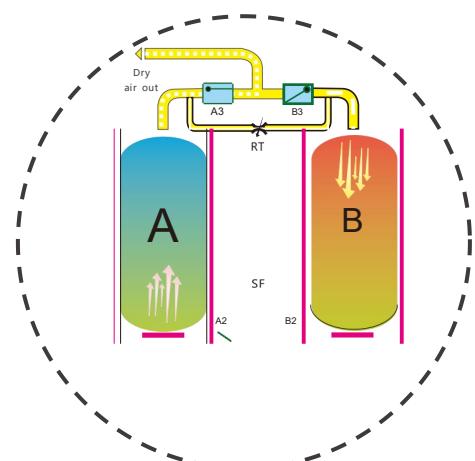
Large-torque aluminum alloy pneumatic actuators are used, providing high torque output with smooth and stable motion.

High-performance adsorbents are applied, featuring strong adsorption capacity and excellent wear resistance, ensuring long-term stable pressure dew point without degradation or pulverization.

A fully electronic programmable controller is adopted, equipped with a Chinese-language interface that is clear, intuitive, and easy to operate and maintain.

Low operating noise is achieved through the use of silent-type check valves and high-performance mufflers, ensuring noise is minimized throughout operation and during exhaust.

An automatic pressurization function is incorporated: prior to valve switching, the vessels are automatically pressurized and pressure-balanced, enabling switching only after equalization. This ensures stable vessel pressure, prevents pipeline pressure fluctuations from impacting the adsorbent, and effectively extends the service life of the adsorbent.



### ■ Technical Parameters

Model	Capacity (m³/min)	Voltage (V/Hz)	Power (kW)	Inlet/Outlet	Weight (kg)	HEATLESS HH SERIES	
						Dimensions (mm)	
LY-HH10NX	1.5	220/50	0.1	G1"	175	725x630x1795	
LY-HH20NX	2.5	220/50	0.1	G1"	310	840x570x1695	
LY-HH30NX	3.8	220/50	0.1	G1½"	430	1020x610x1690	
LY-HH50NX	6.5	220/50	0.1	G1½"	522	1160x680x1860	
LY-HH75NX	10.5	220/50	0.1	G2"	580	1200x720x2180	
LY-HH100NX	13.5	220/50	0.1	G2"	720	1260x780x2230	
LY-HH120NX	17.0	220/50	0.1	DN65	820	1350x930x2440	
LY-HH150NX	21.5	220/50	0.1	DN80	1000	1470x1000x2270	
LY-HH180NX	25.0	220/50	0.1	DN80	1100	1460x1000x2470	

LY-HH200NX	28.5	220/50	0.1	DN80	1180	1560×1070×2450
LY-HH250NX	32.0	220/50	0.1	DN80	1350	1600×1050×2650
LY-HH300NX	37.0	220/50	0.1	DN100	1420	1700×1100×2680
LY-HH350NX	41.5	220/50	0.1	DN100	1550	1830×1150×2700
LY-HH400NX	45.0	220/50	0.1	DN100	1670	1830×1150×2790
LY-HH450NX	50.0	220/50	0.1	DN100	1790	2040×1240×2780
LY-HH500NX	55.0	220/50	0.1	DN100	2000	2040×1240×2875
LY-HH550NX	60.0	220/50	0.1	DN100	2120	2130×1300×2790
LY-HH600NX	65.0	220/50	0.1	DN125	2320	2210×1340×2970
LY-HH700NX	75.0	220/50	0.1	DN125	2500	2350×1380×2920
LY-HH800NX	85.0	220/50	0.1	DN125	2850	2350×1380×2920
LY-HH900NX	95.0	220/50	0.1	DN150	3000	2446×1430×3170
LY-HH1100NX	110	220/50	0.1	DN150	4300	2610×1580×3060
LY-HH1300NX	130	220/50	0.1	DN150	5100	2900×1400×3079

**Note:** Customized models are available for air flow above 130 m<sup>3</sup>/min or when special materials, specifications, or inlet temperature requirements are needed. All data is subject to change without prior notice.

## OUR SERVICES

### ■ LINGYU Services



**Professional  
efficient**



**Strive to improve  
customer satisfaction**



**National coverage  
fast response**

### ■ Service Content

- **Provide free after-sales consultation;**

**LINGYU**



- Debug, repair, and maintenance of Lingyu equipment during the warranty period;
- Survey the site of other brands outside the warranty period of Lingyu and formulate plans.

## ■ Complete Accessories

- **Refrigerated air dryer**

Fans, compressors, condensers, evaporators, dry filters, expansion valves, bypass valves, pressure gauges, various drains, etc.

- **Adsorption air Dryers**

Valves, electrical boxes, adsorbents, diffusers, silencers, solenoid valves, check valves, etc.

- **Other accessories**

Various filter elements, differential pressure gauges, etc.



## CONTACT US

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