



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

HOC SERIES

LOW GAS CONSUMPTION TYPE COMPRESSION HEATED ADSORPTION AIR

DRYER ■ Design Features

Communication capabilities support RS-485 (standard) and IoT connectivity to meet diverse user requirements.

Energy saving: A self-developed EBZ200-2 multi-core drive is adopted. Compared with fixed-cycle control modes, it reduces overall energy consumption by more than 10%.

Optional dew point energy-saving control: Under fluctuating load conditions, adsorption time is extended, reducing total energy consumption by over 30%.

Customized high-performance adsorbents are used, with a 20% filling margin for enhanced reliability and extended service life.

High-performance pneumatic valves and high-efficiency coolers designed using HTFS software ensure reliable performance and long service life.

Metal control air piping is adopted, offering a clean and professional appearance.

Specially designed flow distributors provide high adsorbent utilization efficiency and low gas pressure drop.

A Siemens touchscreen programmable controller enables dynamic monitoring of operating processes. Collected signals include air outlet temperature, heater temperature, regeneration exhaust temperature, A/B tower pressure, blower pressure, and pressure dew point (optional).



■ Operating Conditions

Applicable Fluids: Compressed air, non-corrosive air

Rated Inlet Pressure: 0.7 MPa (0.6–1.0 MPa, customizable)

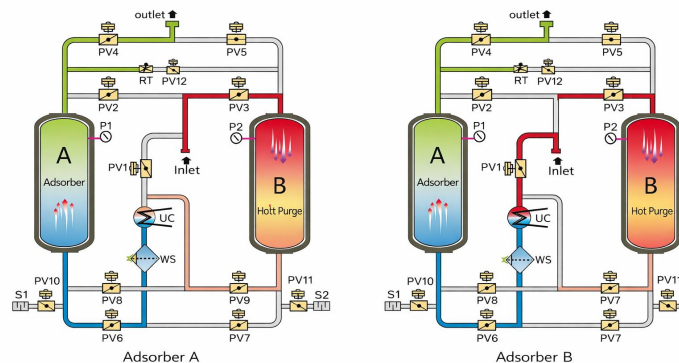
Rated Inlet Temperature: 120°C (allowable 110–180°C)

Regeneration Gas Consumption: ≤ 3%

Outlet Pressure Dew Point: -20°C / -40°C (optional)

Cooling Water Temperature: ≤ 32°C

Cooling Water Pressure: 0.2–0.6 MPa



■ Technical Parameters

ZERO TYPE SHEET					
Model	Capacity (m³/min)	Cooling Water Flow (T/h)	Cooling Water Connection	Gas Connection	Dimensions (mm)
HOC-E100	13.5	5.8	G1.2"	DN50	1600*1100*2380
HOC-E120	17	7.3	G1.2"	DN65	1750*1200*2450
HOC-E150	21.5	9.2	G1-½"	DN80	1850*1300*2480

HOC-E180	25	10.8	G1-½"	DN80	1900*1350*2580
HOC-E200	28.5	12.3	G1-½"	DN80	1900*1350*2760
HOC-E250	32	13.8	G2"	DN80	2000*1450*2630
HOC-E300	37	16	G2"	DN100	2200*1500*2700
HOC-E350	41.5	17.2	G2"	DN100	2200*1500*2830
HOC-E400	45	19.4	G2.5"	DN100	2200*1600*2880
HOC-E450	50	21.5	G2.5"	DN100	2400*1700*2750
HOC-E500	55	23.7	G2.5"	DN125	2400*1700*2850
HOC-E550	60	26	G2.5"	DN125	2400*1700*2950
HOC-E600	65	28	G2.5"	DN125	2650*1800*2800
HOC-E700	75	32.3	G2.5"	DN125	2650*1800*2900
HOC-E800	85	36.6	DN80	DN125	2650*1900*2950
HOC-E900	95	41	DN80	DN150	2800*2000*2900
HOC-E1000	110	47.3	DN100	DN150	3500*2300*2900
HOC-E1200	120	51.6	DN100	DN150	3800*2300*2950
HOC-E1400	140	60.3	DN125	DN150	4200*2400*2900
HOC-E1600	160	69	DN125	DN200	4450*2450*2950
HOC-E1800	180	77.5	DN150	DN200	4750*2500*2980
HOC-E2100	210	90.4	DN150	DN200	5000*2700*2950
HOC-E2600	260	112	DN150	DN250	5300*2900*3000

Note: For air volumes exceeding **260 m³/min** or for special specifications, including materials or temperature requirements, please contact our company or authorized distributors. All data are for reference and may 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;**
- 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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