

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 services

PD SERIES

INTEGRATED HEAT EXCHANGER REFRIGERATED AIR DRYER

■ Design Features

Low energy consumption

Using a three-in-one plate heat exchanger, the entire machine can save 20 ~ 30% of energy consumption:

Low pressure drop

The pressure loss of the whole machine is less than 0.015 MPa, which is lower than the national standard;

Environmentally friendly and durable

The entire series uses environmentally friendly refrigerant R410a/R407C, which complies with international environmental standards and has a maximum pressure of 1.6 MPa;

Low dew point

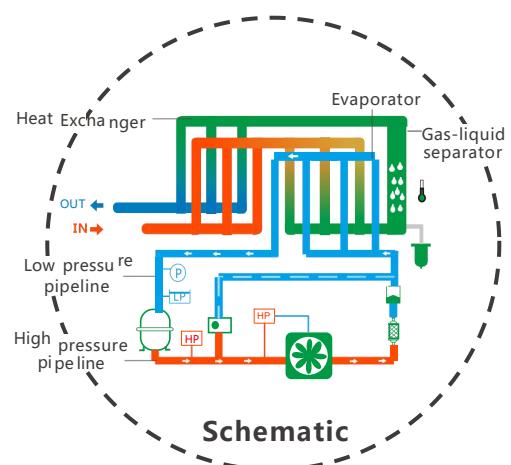
Under standard working conditions, the pressure dew point is as low as 2-10°C, and the electronic bypass valve is used to make the system more stable;

Intelligent control

Standard PLC control for 200P and above, with RS-485 communication interface;

High quality finished gas

The heat exchange system is made of aluminum alloy/stainless steel, has no rust residue, no impurities, and no secondary pollution to compressed air. It can be widely used in the fields of medicine and food.



■ Operating Conditions

Applicable Fluids: Compressed air / Non-corrosive air

Rated Inlet Pressure: Standard: 0.7 MPa / Usable range: 0.6 MPa – 1.0 MPa / Other pressure levels available on customization

Rated Inlet Temperature: Standard: 45° C / Maximum inlet temperature: ≤ 60° C

Pressure Loss Under Full Load: < 0.01 MPa

Outlet Pressure Dew Point: 2°C – 10°C

Rated Ambient Temperature: Standard: 35° C / Usable range: 2° C – 45° C

Cooling Method: Air-cooled / Water-cooled (optional)

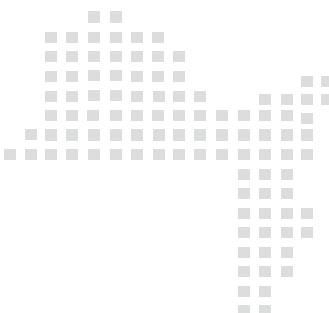
■ Technical Parameters

Model	Capacity (m³/min)	Voltage (V/Hz)	Power (kW)	Inlet /Outlet	Dimension (L*W*H) PD SERIES AIR-COOLED
LY-PD10A	1.50	220/50	0.70	RC1"	500X380X740
LY-PD20A	2.50	220/50	0.79	RC1"	500X380X740
LY-PD30A	3.80	220/50	0.90	RC1"	520X450X990
LY-PD50A	6.50	220/50	1.20	RC1"-1/2"	520X450X990
LY-PD75A	10.5	220/50	2.00	RC2"	670X560X1330
LY-PD100A	13.5	220/50	2.30	RC2"	670X560X1330
LY-PD120A	17.0	220/50	2.80	RC1"-1/2"	1200X700X1480
LY-PD150A	21.5	380/50	3.90	DN80	1460X700X1480
LY-PD180A	25.0	380/50	4.90	DN80	1480X740X1480
LY-PD200A	28.5	380/50	4.90	DN80	1480X740X1600
LY-PD250A	32.0	380/50	5.70	DN80	1480X740X1600
LY-PD300A	37.0	380/50	7.80	DN100	1640X840X1750
LY-PD400A	45.0	380/50	8.80	DN100	1640X840X1750
LY-PD500A	55.0	380/50	10.1	DN125	1740X840X1750
LY-PD600A	65.0	380/50	10.1	DN125	1890X740X1803
LY-PD700A	75.0	380/50	11.1	DN125	1980X950X1990
LY-PD800A	85.0	380/50	13.7	DN125	2220X950X2063

Note: For processing capacity above 85 m³/min or if special specifications, materials, or temperature conditions are required, please contact our company or authorized distributors. Specifications are subject to change without prior notice.

OUR SERVICES

■ LINGYU Services





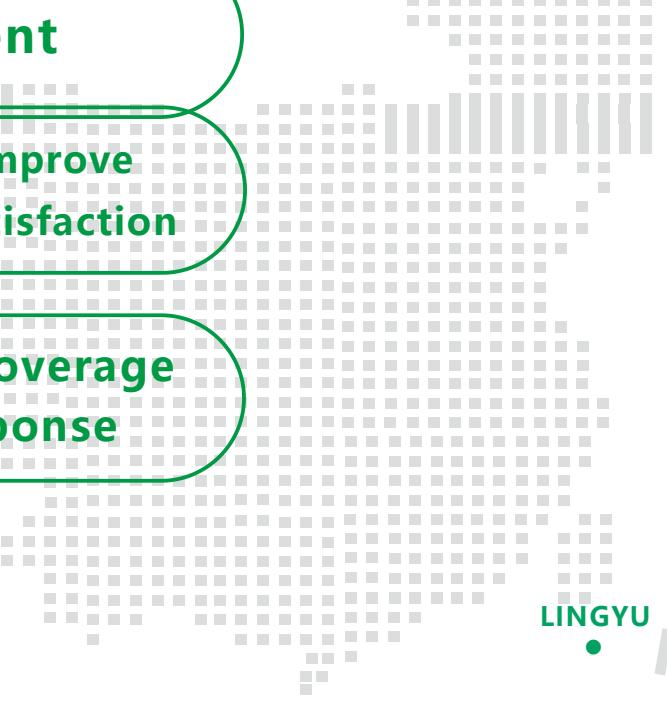
Professional efficient



Strive to improve customer satisfaction



National coverage fast response



LINGYU

■ 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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