Heated Blower Adsorption Air Dryer

Regeneration gas volume: ≤0%

Working pressure: 0.6~1.0Mpa

Intake oil content: ≤0.1mg/m³

Pressure dew point: -20℃

Standard working cycle: 2~8 hours

Intake temperature: 0℃~45℃

Features

- No gas consumption required for regeneration
- The large tower body design ensures optimal airflow and contact time
- High-performance adsorbent with consistent efficacy and prolonged service life
- Temperature Butterfly Valve
- High-temperature protection with a low-density heater
- Reliable and stable high-quality blower
- PLC control for enhanced functionality

Working Principle

The adsorption drying process involves compressed air containing moisture flowing through the adsorption tower, which is equipped with high-performance adsorbents. The adsorbents absorb the moisture, drying the compressed air before it is directed to the gas terminal for usage.

During the regeneration process, this series of dryers utilizes a high-pressure blower to introduce ambient air (serving as regeneration airflow) into the heating cylinder of the heater. The air then passes through the adsorbent that requires desorption. By applying high temperatures, moisture is released from the adsorbent within the adsorption cylinder and expelled into the atmosphere.

Technical Parameters

Model	Capacity (Nm³/min)	Supply	Power (kW)	Weight (kg)	Connection	L*W*H(mm)
SLT-18HB	18.0	380V50HZ/3PH	9.8	910	DN65	1415*1039*2410
SLT-22HB	22.0	380V50HZ/3PH	12.5	1075	DN65	1466*1098*2410
SLT-25HB	25.0	380V50HZ/3PH	14.2	1180	DN80	1520*1233*2595
SLT-32HB	32.0	380V50HZ/3PH	19	1280	DN80	1520*1233*2595
SLT-45HB	45.0	380V50HZ/3PH	24.5	1545	DN100	1885*1287*2706
SLT-55HB	55.0	380V50HZ/3PH	35	2415	DN100	2352*1490*2785
SLT-65HB	65.0	380V50HZ/3PH	38	2738	DN100	2458*1490*2810
SLT-85HB	85.0	380V50HZ/3PH	58	3805	DN125	2645*1716*3085
SLT-100HB	100.0	380V50HZ/3PH	64.5	4075	DN150	2645*1716*3085