山立
Shanli

HANGZHOU
SHANLI
PURIFY
EQUIPMENT
CORPORATION

SLAD SERIES

SLAD Series Refrigerated Compressed Air Dryer

·Shanli Purify Equipment

山立 Shanli ®

SLAD SERIES

SLAD Series Refrigerated Compressed Air Dryer

Pressure range：0.6-1.6MPa

Maximum inlet temperature:

Normal temperature: 60 ° C

High temperature type: 80 ° C

Maximum ambient temperature: 50 ° C

Maximum cooling water inlet temperature: 38 ° C

Cooling way: air-cooled / water-cooled

Power: 380V / 220V / 1PH / 50HZ

Refrigerant: R22 (R407C, R134A optional)

Rated working conditions:

Pressure 0.7MPa

Inlet temperature: 38 ° C

Ambient temperature: 38 ° C

Cooling water temperature: 32

Pressure dew point: 2-10 ° C

Note: 1.6MPa above and 0.6MPa below can be customized.

I.Technical Characteristics

Low dew point

The dew point of the equipment was 3 ? under the rated working conditions (inlet temperature 38 C, ambient temperature 38 C, inlet pressure 0.7MPa), and the dew point was stable.

Low energy consumption

Compared to ordinary shell and tube heat exchanger, compressor power reduction is more than 20%, equipment operating costs are very low.

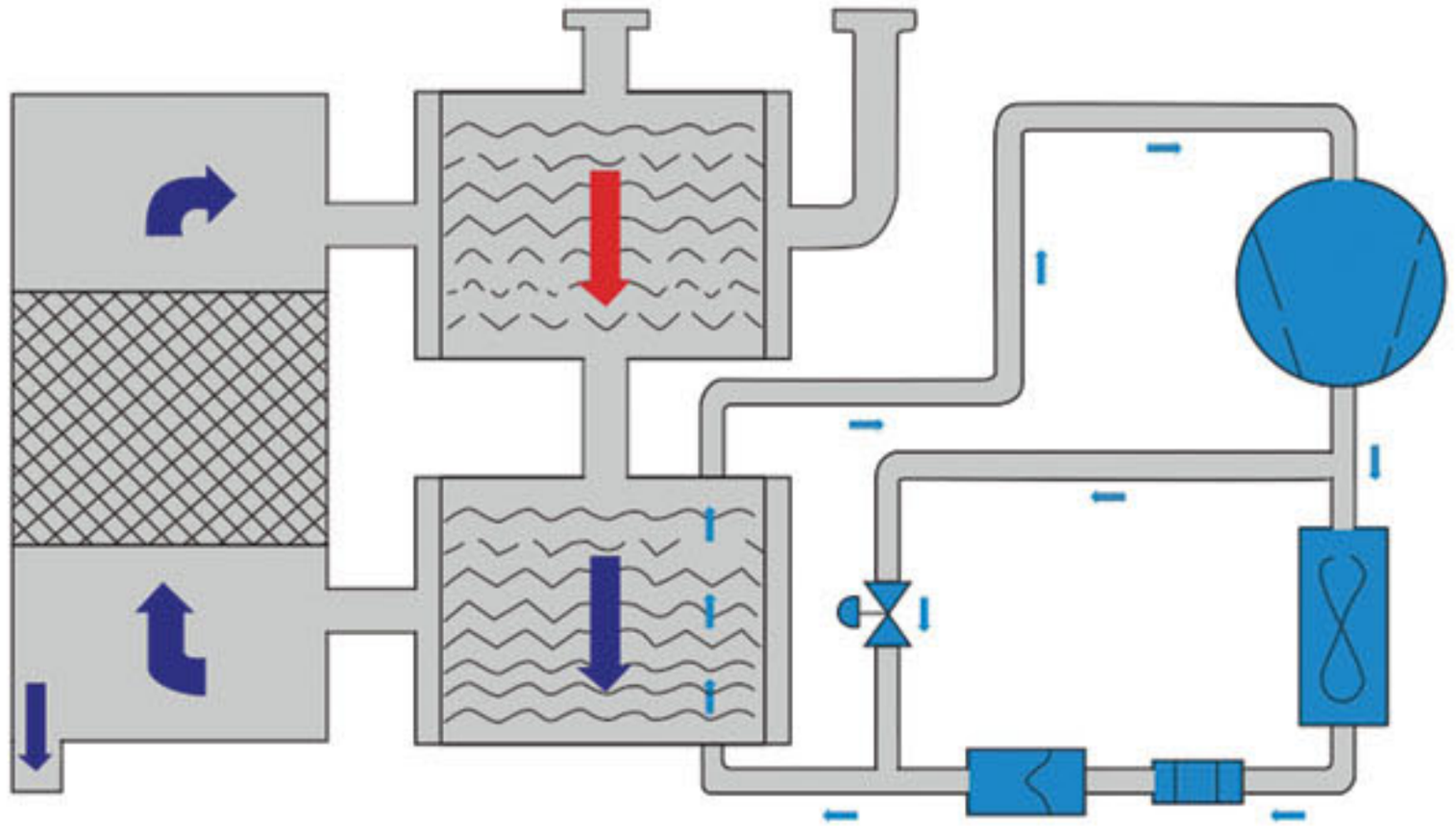
Stable performance

The use of high-performance international brands (Danfoss, Emerson, etc.) refrigeration compressors and refrigeration accessories, the system has a strong stability, safe and reliable.

Precise control

Start and stop operation is simple, intuitive display dryer dew point performance, 8.5 cubic meters above uses microprocessor control panel, with a variety of protection, fault display and remote control switch.

II.Working Principle



III.Patented Design

Product design《A Highly Efficient and Compact Energy-saving Refrigerated dryer》won the People's Republic of China State Intellectual Property Office of the utility model patent examination and disclosure. Efficient heat exchanger: all models of equipment are used advanced plate fin heat exchanger with a unique "three-in-one" structure. Pre-cooling regenerators, evaporators and gas-liquid separators are combined. Its unique low flow design reduces the pressure loss of compressed air and reduces the cooling capacity loss. The compressed air condensate is "continuously separated" to ensure that the user obtains a stable dew point and maximum efficiency. The oversized pre-cooled regenerator is designed so that the inlet compressed air is sufficiently cooled by the dry air, reducing the operating costs by more than 15% compared to the ordinary refrigerated dryer evaporator load.Large-capacity gas-liquid separator, reducing the compressed air flow rate, so that the condensate can be obtained from the air to the greatest degree of separation, this design, but also to the frozen dryer pressure drop to a minimum.

IV.Installation Drawing