

# SZ Single-Stage Water Ring Vacuum Pump

## Features

1. Pump and motor share one common shaft and base, easy installation.
2. Have pumping characteristics of two-stage vacuum pump.
3. Continuously operate in the atmosphere at the ultimate pressure.
4. No movement and drop along the shaft direction, good reliability characteristic.
5. Eccentric structure of impeller and pump casing applied.
6. Use mechanical seal, reliable seal characteristic, protect pump shaft.
7. Good dynamic balance, high rotation speed, stable operation, no vibration.
8. No oil in the cylinder, meet the standards on water and oil requirement released from pump.
9. Apply exhaust valve, low power consumption, little water consumption, low operation cost.

## Application

1. Chemical Industry: Vacuum Distilling, Vacuum Concentration, Vacuum Drying.
2. Textile Industry: Vacuum Drying, Vacuum Forming.
3. Food Industry: Vacuum Filtering, Vacuum Drying, Vacuum Concentration.
4. Electrical Utility Industry: Vacuum Soaking, Vacuum Drying.
5. Medicine Industry: Vacuum Drying, Vacuum Sterilization, Vacuum Suction Device.
6. Other Industries: Water Flow by Vacuum Suction, Wood Drying Device, Metal Vacuum Smelting.

## Specifications

Model SZ-0.5 SZ-1 SZ-2 SZ-6 Ultimate Pressure (Pa) 4\*10<sup>3</sup> 4\*10<sup>3</sup> 4\*10<sup>3</sup> 4\*10<sup>3</sup> (mbar) 40 40 40 40 (Torr) 30 30 30 30 Pumping Speed (m<sup>3</sup>/min) 0.65 1.26 Power (kW) 1.52 2.41 1.52 2.41 Speed (R/min) 2840 2840 2890 1460 Water Capacity (m<sup>3</sup>/h) 0.230 0.250 0.451 2~2 Bore of air inlet & outlet ports (mm) G1" G1 1/2" G1 1/2" 65 Weight (kg) 40 55 80 350