

Aluminum Refining Device | ALP30 Flux Sprayer



「ALP30 Main Application」

The device can quickly spray refining flux into Al melt, and can adjust the speed of the flux by adjusting different gas pressures, it can provide refining agent for small furnace or transfer ladles or for large melting furnace for rapid refining;

「ALP30 Advantages」

1. 304 stainless steel tank, can be loaded with various refining agents.
2. Quick release sealing cover is more convenient to add powder, can be turned 180 degree upside down makes it easier to clean the tank remains;
3. Light weight, 20 Kg in weight;
4. Easy to use, it can directly view the pressure of the gas pipes.
5. By setting different gas pressures, the amount and speed of the powder can be achieved;
6. Small size, easy to move;
7. Low cost of use and maintenance;

「ALP30 Technical Data」

1. The tank volume is about 25L;
2. The maximum pressure of the tank is 0.6MPa;
3. Total gas pressure $0.2 \leq P \leq 0.6$ (MPa);
4. The pressure inside the tank is $0 \leq P \leq 0.16$ (MPa);
5. Blowing pressure $0 \leq P \leq 0.25$ (MPa);
6. Powder speed can be faster or lower by adjusting the pressure inside the tank
7. By adjusting the pressure of the gas to control the speed of the flux powder.
8. With the degasser it can directly provides refining agent to crucibles.

「ALP30 Operation Steps」

1. Close the powder outlet valve first, then load the required refining agent into the powder spray tank, and fasten the sealing cover to ensure the seal is tight.
2. Close the gas circuit main switch on the tank and then connect the gas to set the air pressure of the two channels on the tank (the specific pressure needs to be set by the customer according to the speed of the powder). After setting the air pressure, open the tank. Turn on the main switch, after the gas pressure in the tank reaches the set pressure, the powder valve is opened and the powder is sprayed out. After the refining agent is sprayed out, then insert the refining tube into the aluminum solution for refining.
3. After refining, firstly close the powder discharging valve, then take the refining tube out of the aluminum molten pool, and then continue to ventilate for 1 minute, blow out all the remaining refining agent in the tube to prevent blockage, and then close the gas circuit main switch on the tank.
4. If you need to open the lid of the tank, please manually depressurize the tank first;
5. If it is necessary to clean the tank body, the can body lid can be opened and then turned 180 degrees to pour out the flux agent in the tank;