

Refining Flux



Uniform Particle Size

Operation Instructions

Refining Flux: Put the flux into the powder spraying equipment. Under the action of nitrogen or argon in the powder spraying tank, spray the refining flux evenly into the melt in two batches, make the outlet of the spray pipe as close to the bottom of the molten pool as possible and move it back and forth to ensure the refining flux fully contacts the aluminum liquid, then use nitrogen or argon to refine in the furnace bottom well for 20 minutes.

Drossing Flux: Remove the package, spread it on the dross surface before skimming, and mix it thoroughly with the floating dross for 10 minutes.

Furnace cleaning flux: Remove the package. After pouring out all the aluminum liquid in the furnace and taking it out, spread the furnace cleaning flux on the slag in a hot state, close the furnace door and let it simmer for 10-20 minutes, then it can be cleaned.

Recycling flux: Remove the package, spread the powder directly after the aluminum dross is taken out of the furnace, stir quickly until roughly uniform. After 10 minutes of physical and chemical actions, the dross is separated from the aluminum, and the aluminum liquid is recycled.

Refining Flux

Model	Product function	Scope of application	Dosage per ton of metal liquid	Refining temperature
3RF	Degassing and deslagging	Degassing and casting purification of cast-rolled aluminum and aluminum alloy melts.	1.5-2.5kg	700-740°C
6RF	Degassing, deslagging, with performance better than 3RF	Precision casting refining of cable rods and alloy rods.	1.0-1.5kg	700- 740°C
420RF	Degassing type	Refining and purification in furnaces for high-precision aluminum alloys (such as A1, A356.2 and wheels).	1.5-2.5kg	710 - 730°C
560RF	Sodium-free type, degassing and deslagging	Refining and purification in furnaces for 5-series aluminum alloys and wheels.	1.5-2.0kg	720 - 740°C

Deslagging Flux

Model	Product function	Scope of application	Dosage per ton of metal liquid	Refining temperature
622DF	Sodium-free type	Refining for A356.2 alloy or wheel casting.	1.5-3kg	720-780°C
633DF	Multi-functional type	Separation of aluminum dross in furnaces for cast-rolled and cast aluminum liquids.	1.5-3kg	720-780°C

Furnace Cleaning Flux

Model	Product function	Scope of application	Dosage per ton of metal liquid	Refining temperature
STOVE360	/	Cleaning of furnace bottoms and inner wall deposits of melting furnaces and holding furnaces.	8-10kg/m ²	850-950°C

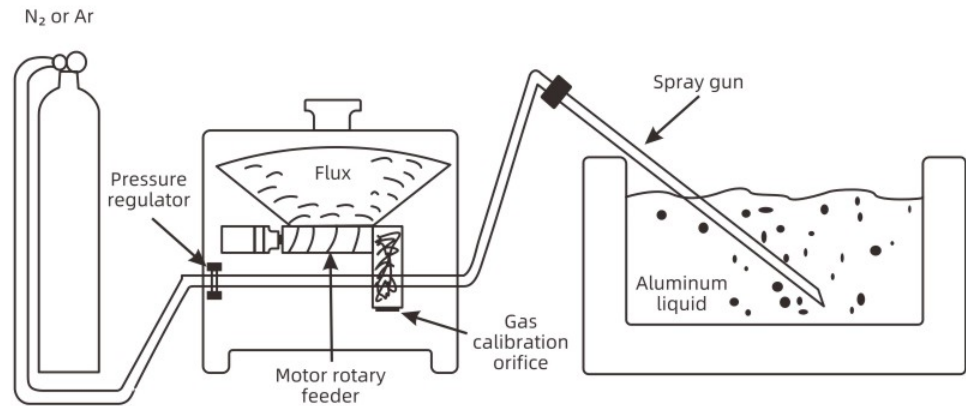
Recycling Flux

Model	Product function	Scope of application	Dosage per ton of metal liquid	Refining temperature
680ACF	/	Recycling of metallic aluminum from aluminum dross or ash.	1-4kg	Above 700°C

Assembly and Use

The refining flux is white (slightly gray) fine powder particles. Its main components are chloride salts and fluoride salts, along with other compounds. After appropriate heating treatment and screening, the particle size is uniform, which is beneficial for the refining tank to uniformly enter the lower layer of the aluminum liquid under the action of carrier gas (N₂ or Ar).

Through physical and chemical changes, countless small bubbles are formed in the aluminum liquid to fully contact with the aluminum liquid, separating [H] and other harmful gases in the aluminum liquid, at the same time, some substances contained in the refining flux can strongly adsorb, dissolve the oxides and suspended matters in the melt and attach to the bubbles together, and be brought to the surface of the aluminum liquid as the bubbles rise.



Flux Injection Process

Order Packaging Specifications

Item	Inner packaging	Box packaging	Pallet packaging	Special packaging	Storage and quality guarantee
Standard quantity	2-5kg/bag	20kg/box	1.2t/pallet	Made as required	Stored in a ventilated, cool and dry place.



Application Cases



Low-Smoke Case



Loose alloy aluminum ash