

PRODUCT BROCHURE · MANUFACTURED IN MUMBAI, INDIA

Anodizing Rectifier Manufacturer in Mumbai

Anodizing rectifiers built in Mumbai for aluminium hard and decorative anodising lines — constant current control, low ripple, ratings to 10,000 A DC.

Anodising demands a rectifier that holds current steady as the oxide layer grows and cell resistance rises. Our anodizing rectifiers use constant-current regulation with low ripple so coating thickness stays uniform across the load.

Constant current control for uniform coating

As the anodic film builds, voltage must rise to maintain current. Our units ramp voltage automatically within a set limit, which keeps the coating consistent from the first rack of the shift to the last.

Hard anodising and decorative anodising

Hard anodising needs higher voltage headroom and steady cooling; decorative work needs precise, low-ripple output for even colour take-up. We configure both, including units for sulphuric, chromic and hard-coat processes.

- Ratings from 100 A to 10,000 A DC
- Voltage headroom to 24 V, 36 V, 60 V or higher for hard coat
- Ripple control suited to colour anodising
- Ammeter, voltmeter, ampere-hour meter and timer options

Complete anodising plant support

Alongside the rectifier we manufacture PP and MS/PVC-FRP process tanks, movement tanks and air blowers, so an entire anodising line can be sourced from a single Mumbai manufacturer.

Typical Specifications

Output current range	50 A to 10,000 A DC (higher on request)
Output voltage range	6 V, 12 V, 18 V, 24 V, 36 V and custom
Input supply	415 V $\pm$ 10%, 3 phase, 50 Hz (single phase for small units)
Cooling	Air cooled, oil cooled or water cooled
Control	Thyristor / SCR, IGBT or SMPS with digital metering
Protection	Over-current, over-temperature, phase failure, short circuit

Frequently Asked Questions

Why does an anodizing rectifier need constant current control?

The growing oxide layer increases resistance during the cycle. Constant current control raises voltage automatically to hold current steady, which keeps coating thickness uniform.

Do you supply ampere-hour meters with anodizing rectifiers?

Yes, ampere-hour meters and process timers are available as fitted options.

Can you supply the tanks and blowers too?

Yes. We manufacture polypropylene tanks, MS tanks with PVC/FRP lining, movement tanks and air blowers for complete anodising lines.

Request a Quotation

Works: Babulal Compound, Kama Estate, Walbhatt Road, Goregaon East, Mumbai, Maharashtra 400063

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Keywords: anodizing rectifier manufacturer in Mumbai, anodising rectifier India, hard anodizing rectifier, aluminium anodizing power supply, anodizing plant equipment Mumbai