

Aluminum Constant Volume Feeder

This constant volume feeder is designed for electrolytic tank volumetric feeding. It features a robust aluminum construction and a pneumatic cylinder for automated operation and precise volume control.



Overview

High-Precision Volumetric Feeding

The WLXLQ series constant volume feeder is a new generation of electrolytic tank feed products designed specifically for the aluminum industry. It offers high reliability and constant volume accuracy, meeting the rigorous requirements of multi-frequency volumetric feeding. With a compact structure and long service life, this feeder is available in both ordinary and valve-type configurations to suit diverse operational needs.

Key Features

Core Benefits

High Reliability • Constant Volume Accuracy • Compact Structure • Long Service Life • Good Adaptability

Technical Design

Sealing & Protection

- Spherical sealing structure on blanking cover to eliminate leaks
- Radial sealing between the cylinder and cylinder flange
- Reliable sealing with no cavity residuals
- No wire wheel design for maintenance-free operation

Material & Durability

Surface Treatment

600 HV

Surface Hardness

Silo Surface Process

Nitrogen treatment for enhanced durability

Operational Details

Maintenance Features

- Convenient cylinder replacement
- Adjustable stroke length for volume control
- No reverse blowing required

Actuation Type

Pneumatic cylinder for automated operation

Valve Control

Gas control valve (Valve type models)

Application

Target Industry

Electrolytic Aluminum, Automated Processes, Material Dispensing