

# Demineralizer System Control Valve

This control valve is designed for use in mixed bed demineralizer systems. It controls water flow during service, backwash, and regeneration.



## ADDITIONAL IMAGES



## Overview

### Advanced Control for Demineralization

This control valve is specifically engineered for mixed bed demineralization systems and water treatment equipment. It automates critical processes including service, backwash, quiescence, and chemical regeneration to ensure consistent water quality. With integrated online resistivity monitoring and flexible standalone or standby system configurations, it provides a reliable solution for industrial water purification needs.

## Technical Specifications

Rated Voltage	12 V DC
Rated Current	0.45 A
Compatible Models	ST86, ST88

## Operational Features

### Available Process Modes

- Service (Water Purification)
- Backwash
- Quiescence
- Alkali Pre-entering
- Acid Pre-entering
- Drainage
- Mixed Drainage
- Fast Rinse

### System Configurations

- Standalone (C-01 / C-02 modes)
- One-in-service, one-in-standby

### Automation Logic

- Inlet closure every 15 seconds during backwash for resin delamination
- Online outlet water resistivity monitoring
- Automatic regeneration trigger based on water quality
- Automatic return to operation mode upon water quality qualification

## Compliance & Certifications

### Certifications

CE • RoHS