



MILTON ROY

CDX

Compact Dosing Xpert

For Reliable Water Treatment



Engineered for Precision, Reliability
and Seamless Integration

INTRODUCTION

Milton Roy's Compact Dosing Xpert (CDX) systems are precision-engineered to deliver accurate chemical dosing across a broad range of water treatment applications. Designed with a modular architecture, the CDX series optimizes both space utilization and operational performance, ensuring flexibility to meet specific process requirements.

Each unit is manufactured to meet international standards, combining Milton Roy's decades of industry expertise to guarantee quality and reliability.



KEY FEATURES

- Compact, Space-Efficient Footprint
- Modular Architecture with Plug-and-Play Integration
- Dual Pump Configuration (Working/Standby)
- Customizable Material of Construction (MOC) – CPVC and PVDF
- Factory Acceptance Tested (FAT)
- Skid-Mounted Assembly with Integrated Control Stations

BENEFITS

Rapid Installation with Minimal On-Site Work

Supplied as fully assembled and prewired units, reducing the need for civil, mechanical and electrical work at the installation site.

Optimized Total Cost of Ownership (TCO)

Engineered for durability, ease of maintenance, and energy-efficient performance to deliver long-term cost savings.

Accelerated Delivery with Pre-Engineered Configurations

Standardized modular designs enable shorter lead times and faster project turnaround, allowing you to meet tight deadlines without compromising on quality or compliance.

Minimized Maintenance and Downtime

Designed for reliability and ease of access, with quick maintenance and part replacement.

Assured Reliability with Fully Tested and Certified Systems

Each skid undergoes comprehensive testing to validate performance and ensure compliance with international quality and safety standards.

Tailored to Project-Specific Requirements

Our design is fully customizable to align with your exact process parameters and site constraints.

MODELS



EMAG Solenoid Pump series

Max Pump Flow: 90 LPH

Max Pressure: 10 bar

MOC: PVC, PVDF



GB Mechanical diaphragm Pump series

Max Pump Flow: 560 LPH

Max Pressure: 10 bar

MOC: PVC, PVDF

COMPONENTS

PUMPS : (2X) E-MAG or GB model dosing pumps for accurate and reliable dosing

PIPING : CPVC or PVDF piping suitable for both standard and corrosive chemicals

PULSATION DAMPENER : Smoothens the flow by absorbing pump pulsations, ensuring steady dosing

BACK PRESSURE VALVE : Maintains consistent pressure at the pump discharge to ensure accurate dosing

PRESSURE RELIEF VALVE : Protects the system by releasing excess pressure to prevent damage

CALIBRATION COLUMN : Allows accurate measurement and verification of pump flow rate

Y-STRAINER : Filters out debris from the chemical line to protect downstream equipment

PRESSURE GAUGE : Displays real-time system pressure for monitoring and diagnostics

ISOLATION VALVES : Enables safe maintenance by isolating sections of the dosing system

CONTROL PANEL : Operating and controlling the pump start/stop and alarms

APPLICATIONS

- **Coagulants:**
Alum, Ferric Chloride, PAC
- **Disinfectants:**
Sodium Hypo, Chlorine Dioxide
- **pH Adjusters:**
Sodium Hydroxide, Sulphuric Acid, Lime
- **De-chlorinators:**
Sodium Bisulphite, SMBS
- **Odor control:**
Chlorine Dioxide, Activated Carbon
- **Boiler feed chemicals:**
Oxygen Scavenger, Phosphate
- **Anti-scalants:**
Citric Acid, Polyphosphates



INDUSTRIES

Municipal and Industrial Water
& Wastewater Treatment

Desalination
Plants

Cooling Water Treatment &
Biocide Injection

Effluent Treatment
Plants (ETPs)

Power Generation
Facilities

Sewage Treatment
Plants (STPs)

CARE SUPPORT

We offer a variety of maintenance programs, including services such as scheduled maintenance, planned diagnostics, and repair with genuine OEM parts.

PlannedCARE™ provides predictable, on-time planned maintenance services for the equipment, including diagnostics to catch potential problems, before they result in larger headaches.

PartsCARE™ entitles customers to receive genuine OEM parts at preferred pricing for routine maintenance requirements. Diagnostics and repair service are available as needed.

ABOUT MILTON ROY

● **MILTON ROY** - the global leader in dosing and metering pump technologies, delivering precise, reliable chemical injection solutions for water treatment, oil and gas, chemical processing, and industrial applications. For almost 9 decades, Milton Roy has been supporting customers worldwide with localized service and application expertise.

For more information
SCAN QR CODE

