CHEMICAL INJECTION PUMP

EWP SERIES METERING PUMP

Precision Dosing.
Reliable Performance.
Flexible Control.

Precise Chemical Injection

Walchem and Iwaki leverage over a century of combined application and engineering expertise to deliver the EWP Series Metering Pumps – an advanced product line optimized for precision chemical dosing across a broad range of industrial applications. The EWP Series pumps offer flow rates up to 6.7 GPH (25 l/h) and pressure capabilities reaching 300 PSI (20 bar), all within a compact, rugged housing rated to IP66 and a footprint designed for easy installation or ideal for OEM integration.

WALCHEM

IWAKI America Inc.

One Pump,
Two Control Options
Always Precise.

The **EWP-L Series** pumps combine 360 strokes per minute proven performance into a powerful, compact chassis with manual or external control options to create a robust and easy to operate pump. Two control knobs enable simple and fast output adjustment and selection of proportional analog or pulse input control. With speeds up to 360 strokes per minute and an adjustable stroke length, the EWP-L achieves an exceptional 1800:1 turndown ratio, delivering unmatched versatility and performance among budget-friendly metering pumps.

Built to prime and hold prime, the EWP-L Series pumps are constructed for accuracy, longevity and control, creating a precise chemical injection solution at an economical cost.

The **EWP-R Series** utilize the same compact and powerful pump drive while increasing pump functionality and control. The pumps feature a high-contrast, digital backlit display, a clear visual status indicator, comprehensive alarm features and simple key operation. The large LED status indicator illuminates in multiple colors, presenting real-time visual cues of current operating conditions.

The EWP-R expands proportional control with programmable analog, pulse with Multiply or Divide, Batch, or Interval Batch. Additional control features include external AUX, PRIME, Pre-STOP and Interlock, plus an alarm output relay with pump status.

These features are complemented by a keypad lockout for safety and an integrated 12VDC power supply, making the pump as sophisticated as it is functional.

Rugged Enclosure

The E-Series pumps set a new industry benchmark as the first in their class to offer a comprehensive 2-year warranty on the entire pump.

Now, IWAKI redefines performance with the **EWP Series**, featuring a design that enhances sealing and superior water resistance. These pumps deliver a rugged IP66 rating—even without the standard clear splash guard included with the EWP-R model.

Built for reliability. Designed for performance.

High Speed Performance

Operating at 360 strokes-per-minute, EWP Series pumps provide high resolution chemical feed. Most competitive products operate at slower speeds, resulting in slug feeding, accelerated diaphragm wear and poor feed control.

Engineered Longevity

All E-Series pumps feature dual bearing support. The armature and shaft are supported with a bearing on each end, which ensures proper axial movement, enabling the E-Series to operate at 360 SPM while extending the life of the diaphragm and mechanics.

High Compression Ratio

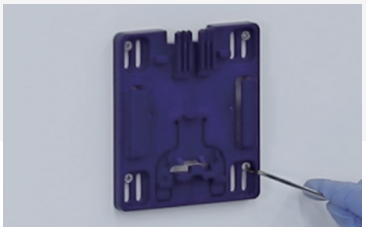
The compression ratio of a metering pump is important because it affects the pump's ability to prime and vent. The compression ratio is raised when you reduce the dead volume of the pump head during operation. All E-Series pumps feature a very high compression ratio that ensures proper feed especially with off-gassing products (i.e. Sodium Hypochlorite).

Superior Check Valve Performance

Dual Check Valve Assemblies in both suction and discharge fittings feature precision ball guides and tapered seats. Precise machining and molding of parts limit valve ball travel, ensuring that balls fully seat and seal with every stroke. The superior check valve design guarantees fast priming and reliable performance.

Flexibile Installation

The EWP series feature a removeable secondary base that can be used to mount the pump either on a flat surface, or on a wall, enabling quick removal of the pump without tools and saving valuable space in cabinets and on top of tanks. The base is supplied with EWP-R pumps (optional for EWP-L).



Walchem's Family of Industrial Water Treatment Products

Walchem is a leading manufacturer of online analytical instruments and electronic metering pumps. Our mission is to provide the integration of sensor, pump and electronic technologies for chemical control. We provide innovative solutions by integrating our instruments, sensors, fluid handling and extensive remote data communications technologies.

Walchem Metering Pumps

Available in both Solenoid Drive (E-Series) and Direct Drive (IX-Series), these pumps are engineered to meet a wide range of chemical feed requirements. With advanced microprocessor controls, durable mechanical construction, and a variety of sizes, they are designed to optimize performance and deliver maximum value for your application.

IX-Series

Digitally controlled direct-drive diaphragm pumps have been built on years of experience in high-end motor technology. Resulting in extremely accurate, energy-efficient, and high-resolution pumps.

E-Series

From the versatile EWN Series to the rugged, high-performance EHE Series, these electronic metering pumps deliver superior high-speed dosing with an array of standard features.

Controllers and Sensor Technology

In-house engineering drives quality and technology to integrate analytical instrumentation, advanced sensing, fluid handling, and communications capabilities. Providing a global family of products for today's water treatment markets. Controllers can be scaled from simple single-sensor units to much more advanced multiple-sensor systems that incorporate remote communications.

Walchem Fluent®

No system would be complete without a wide range of high-quality accessories compatible with Walchem pumps and controls, enabling our customers to provide a complete system solution.

Accessories

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Walchem integrates its advanced sensing, instrumentation, fluid pumping and communications technologies to deliver reliable and innovative solutions to the global water treatment market. Our in-house engineering is driven by quality, technology and innovation. For more information on the entire Walchem product line, visit: walchem.com