

EWP Series Metering Pumps

Overview

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.



Features of the EWP Series Metering Pumps

- 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.
- Flexible Installation** The EWP series feature a removable 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).



EWP Series Metering Pump Installation

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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.

EWP-L Series

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.



EWP-L Series Metering Pump

EWP-R Series

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.



EWP-R Series Metering Pump

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