

# E-Dos

E-Dos pumps have outputs to 2.1 GPH and a maximum pressure of 105 PSI. The high speed of operation results in high resolution chemical feed and long service life. Quiet and compact, the E-Dos pumps prime in seconds and hold prime reliably.

## High Speed Performance

E-Dos pumps operate up to 360 strokes-per-minute with adjustments in 1 spm increments, providing high resolution chemical feed. Adjustable stroke length further increases the ability to refine the output.

## Multi-function Digital Controller

The controller in the E-Dos pump provides for flexible pump control including scalable Analog control, Digital Input with both Multiply and Divide capability, external stop control, or simple speed and stroke length control. Display can be adjusted between flow rate units or % speed for easy-to-read output and quick adjustment. The controller is universal voltage so it can be used anywhere in the world.

## Engineered Longevity

All E-Dos pumps feature dual bearing support. The armature and shaft are supported with a bearing on each end, which ensures proper axial movement.



## Superior Check Valve Performance

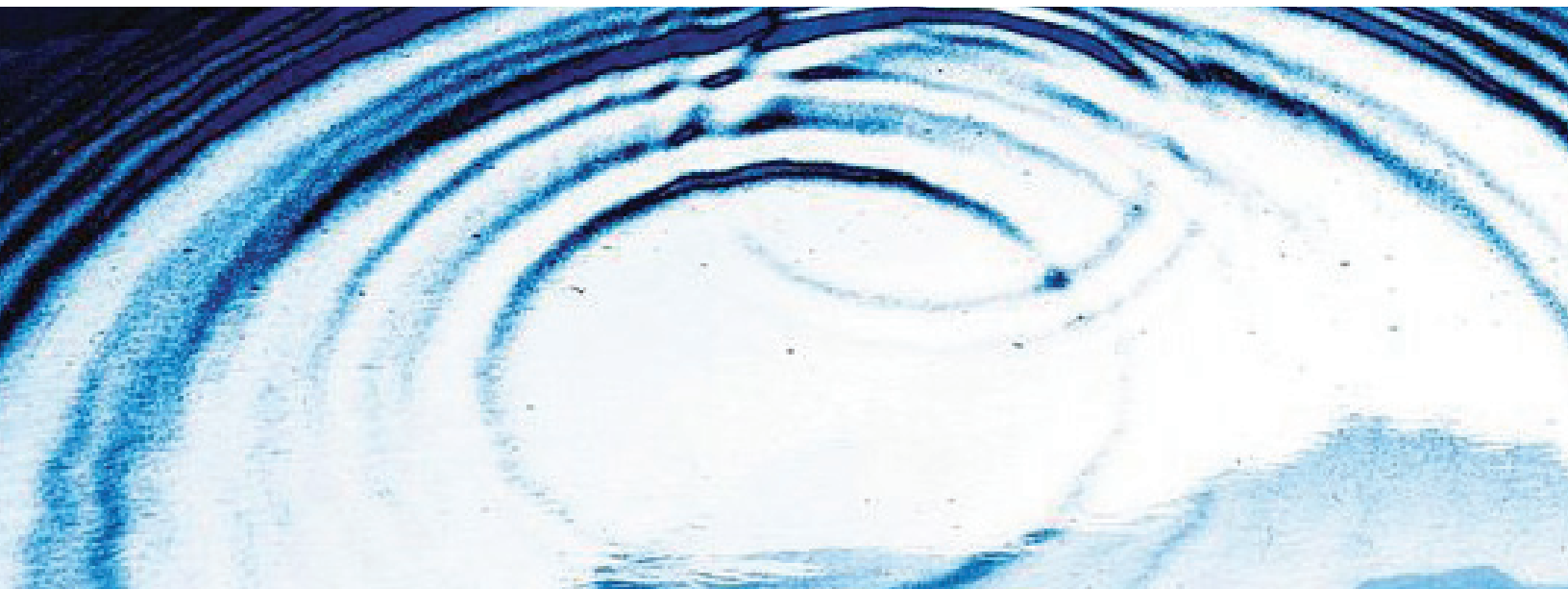
Dual Check Valve Assemblies in both suction and discharge fittings feature precision ball guides and tapered seats. Precise machining and molding of parts limit valve ball travel, ensuring that balls fully seat and seal with every stroke. This superior check valve design guarantees fast priming and reliable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

## 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.

## Engineered Longevity

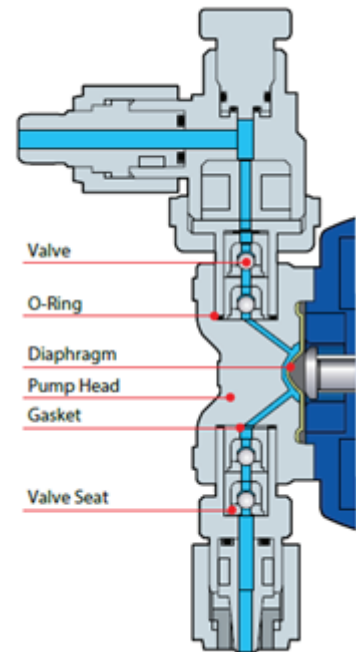
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## Buyer's Guide

### E-Dos

|   |  |
|---|--|
| <b>Electrical Specifications</b>        | 50/60 Hz, 1 phase / 100-240VAC ±10%  |
| <b>Dimensions (in inches)</b>           | H 7.83 x L 10.43   |
| <b>Wet End Materials</b>                | Pump Head - PVDF<br>Diaphragm - PTFE + EPDM<br>Valve Balls - Alumina Ceramic<br>Valve Seat - FKM<br>O-ring Seal - FKM<br>Gasket - PTFE |
| <b>Maximum output capacity</b>          | GPH - 2.1<br>mL/min - 130<br>mL/shot - 0.07-0.36   |
| <b>Maximum rated discharge pressure</b> | PSI 105  |
| <b>Maximum useable pressure</b>         | PSI 116  |
| <b>Stroke rate</b>                      | % (spm) 0.1 to 100 (1 to 360)  |
| <b>Stroke length rate</b>               | % (mm) 20 to 100 (0.25 to 1.25)  |
| <b>Model Numbers*</b>                   | HYD-EDO-ST<br>HYD-EDO-HAC  |



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