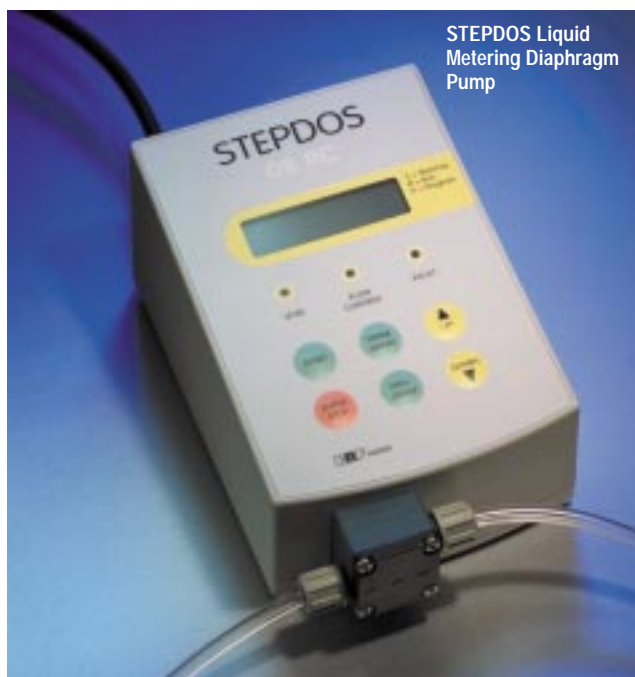


## STEPDOS Liquid Metering Diaphragm Pump



- Diaphragm pumps which can be used to meter, dose, and transfer liquids
- Suitable for either corrosive or non-corrosive liquids
- Diaphragm design means there is no tubing to fatigue or break due to wear or corrosion
- Contamination-free operation
- Self-priming
- Can run dry indefinitely, without damage

A convenient way to meter, dose, transfer liquids or fill containers in the laboratory, the STEPDOS is resistant to chemical attack, prevents contamination of your pumped medium, and provides the longest possible lifetime when pumping corrosive liquids, gases and vapors. This new microprocessor-controlled metering diaphragm pump is designed for use with neutral and aggressive liquids, without the tubing maintenance disadvantages inherent in peristaltic pumps.

Unlike traditional pumps, there are neither metal wetted parts to corrode nor tubing to break or fatigue. These pumps are self-priming, maintenance free and will operate dry indefinitely without damage to the pumping mechanism. When operating, you have a choice of languages and the unit is easily programmed. The unique, single-piece molded diaphragm is designed to fit tightly against the pump head, eliminating dead space. The advanced valve design is capable of accurately handling low flow rates, and is not influenced by system pressure fluctuations or tubing fatigue. The multi-purpose STEPDOS metering pump features microprocessor control for exceptional flexibility and is protected by a case designed to withstand the harshest lab environments.

Unlike other diaphragm pumps on the market today, the STEPDOS has a remarkably smooth flow. This continuous and steady flow, even at low rpm, is accomplished by using a stepper motor that ensures that the suction cycle is completed at a maximum speed, but the output cycle is variably controlled per selected speed. Constant speed changes by the motor and electronic control provide steady output over the entire cycle.

Two basic control packages are available for the STEPDOS. For basic keypad control, choose the S model, which provides easy control of functions using the local touch pad. If you are looking for a more versatile pump, the 'RC' model allows you to control the pump remotely using your computer as well as basic keypad control. The 'RC' model is supplied with all cables and Windows 95™ software to allow complete remote control and monitoring of a variety of operating parameters of the pump's rate from your personal computer.

You also have a choice of chemical resistance. For metering of neutral or mildly aggressive liquids, choose the standard version, which has a combination of wetted materials including PP, FFPM, and PTFE. If highly corrosive liquids are to be metered, the premium version provides the highest corrosion-resistance available in a pump today (wetted materials are a combination of PVDF, FFPM, and PTFE).

### Specifications

Flow Range	0.08 to 80 ml/min
Max Pressure Head	30 p.s.i.
Accuracy	±2%
Repeatability	±2%
Power Range	100 to 230 VAC, 50/60 Hz
Dimensions, H x W x D	8.0 x 11.5 x 18.0 cm (3.1 x 4.5 x 7.1 in)
Weight	1.4 kg (3 lb)

Catalog No.	Product
CGS 8332.63	STEPDOS Liquid Metering Diaphragm Pump S Model, Standard Version
CGS 8334.63	STEPDOS Liquid Metering Diaphragm Pump S Model, Premium Version
CGS 8335.63	STEPDOS Liquid Metering Diaphragm Pump RC Model, Standard Version
CGS 8336.63	STEPDOS Liquid Metering Diaphragm Pump RC Model, Premium Version
CGS 8337.63	Threaded Barbed Fittings, five pairs of threaded fittings (1/4-28 UNF Mode) with barb sizes: 1/16, 3/32, 1/5, 5/32 and 3/16 inch