

SELECT Dosing System



Select-480 (Item 160CA10)

Technical data

THE SELECT dosing system has been designed for use in situations where products are required to be dosed into water proportionately to the flow.

USING A peristaltic pump has the advantage that dosed products, regardless of how aggressive they are, only come into contact with the pump tube, not the working parts of the pump. Unclipping the old tube and clipping in the new one effectively cleans and renews the pump.

A SERIES OF simple on-screen menu commands allow the operator to choose between a number of pre-set allowable dosing ratios. The standard range is between 1:20 (5%) and 1:100,000 (0.001%) in 15 stages covering all of the normal dosing ratios. The range of dosages is achieved by the Select doser using one of four different sized and colour-coded pump tubes. The correct tube to use is indicated on screen (the green coded tube is in use in the illustration).

ACCURACY IS achieved with a unique system of continuous monitoring and adjustment of the pump rotor performance.

TOTAL WATER use (litres) and current water flow (litres per hour) are displayed during dosing. A "meter only" feature means that the Select doser can act as a water meter when dosing is not required.

INSTALLATION IS simple. A flow sensor supplied by Dosing Solutions is fitted into the drinking line to be dosed. The Select doser is wall mounted and is connected to both the signal line from the sensor, and a 12V DC power supply either from a plug-in mains transformer or a battery. Dosed product is pumped into the drinking water system either into a header tank, or the water pipe line via a valved connector.

THE COLOUR coded pump tubes have been tested for stability against most commonly used dosing products including acidifiers. If in doubt, contact Dosing Solutions Ltd or your Distributor.



Weight:	720g
Standard ratios 1:	20; 33; 50; 66; 100; 200; 500; 1,000; 2,500; 3,333; 5,000; 6,000 (plus others as requested).
Max. water flow:	400 – 25,000 l/hr (dependent on ratio)
Min. water flow:	3 l/hr
Max. pumped output:	15 l/hr
Accuracy:	Better than 95%
Water meter max.:	100,000,000 litres
Power:	12V DC, 1.0A
Pressure:	2 to 3 bar max.
Dose interval:	5 secs.
Flow sensors:	Threaded connection
Filter:	Recommended in water line upstream of sensor
Delivery lines:	PVC tube

The flow sensor used will vary depending on the range of water flow rates expected.

The programming allows a choice of up to 5 sensors to be chosen from on-screen options.

21.06.11