

## GRAVIDOS Gravity Solution Feeders



The **GRAVIDOS** Gravity Solution Feeder acts as a dosing pump.

It was specifically developed for areas where there is no or an unreliable power supply. The reality is that, even under such conditions, water still needs to be properly treated using water treatment chemicals.

The **GRAVIDOS** units are entirely made of Polypropylene and PVC, materials that are compatible with the reagents normally used in water treatment such as sodium hypochlorite, calcium hypochlorite, potassium permanganate, neutralizing reagents, etc.

The **GRAVIDOS** units are supplied ready to be connected to the solution preparation tank.

The **GRAVIDOS** consists of a cylindrical tank which is fed with chemical solution from a solution preparation tank. The cylindrical tank is equipped with a float, a dosing and a venting system, an isolating valve, a strainer and an outlet flow control valve.

### STANDARD SIZES OF GRAVIDOS UNITS

Type	Flow (liters/hour)
400	5 to 400
800	100 to 800
1600	200 to 1600

## OPERATING PRINCIPLE

The solution from the solution preparation tank passes through a strainer to remove the suspended particles before the solution enters the **GRAVIDOS** unit.

The **GRAVIDOS** operates on a constant head (level) principle. The level inside the tank is maintained by a float mechanism which keeps the liquid at a fixed level.

The dosing rate is set by adjustment of the flow control valve at the outlet in conjunction with the flow indicator / rotameter (FI).

