



Smart Tech's Patented

Smart Valve

New for 2010



Let Your Plants Regulate THEIR OWN WATERING

Without: Power, Computers or Electronics



Smart Valve

The robust Smart Valve, activated by a non-powered moisture sensor is a new patented regulator to control the flow of water to plants. Indeed the plants themselves control their own water supply. Offering high flexibility, the Smart Valve's adjustable depth regulator allows growers to vary water reservoir volumes to best suit season and plant species.

Cost Effective and Natural

As the Smart Valve allows plants to regulate their own requirements, there is no risk of over or under-watering. In addition, unlike manual or timer based watering systems, the Smart Valve gives growers the advantage of a completely natural wet and dry cycle.

Tested

The Smart Valve has been tested by the highly respected research organisation Horticultural Research International based in Efford, UK who said **"The Smart Valve looks a promising and key component to automate watering systems and the results indicate significant plant management cost potential."**

Savings and Advantages

Compared with powered watering systems and sensors, the Smart Valve is impressively cost effective and in addition gives substantial labour and water usage savings, eliminates cold shock and anaerobic bacterial root infections caused by over-watering.

Environmental And Operational Benefits

By eliminating the need for flood and drain in industrial horticulture, the Smart Valve can allow growers to say goodbye to the complicated and time consuming process of effluent disposal which growers are required to carry out in accordance with strict national regulations and the EU Water Framework Directive.

About Smart Tech

Led by Professor Neil Graham, (ex ICI, who also led the teams which developed both the white composite dental filling and the world's best contact lenses.) Smart Tech Ltd develops patented watering control solutions and sensors based on Hydrogel Polymer Technologies for both traditional and hydroponic cultivation. From simple systems for home enthusiasts aiming for the perfect crop through to industrial cultivators, plant transporters and retailers striving to reduce costs and minimise plant loss, Smart Tech's eco friendly systems solve the high profile problem of water delivery by enabling the plants themselves to regulate their own unique watering needs with no risk of over-watering or under-watering.

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