



## KISSS STANDARD SUBSURFACE IRRIGATION SYSTEM KISSS ®

- ◆ Water savings of up to 60% versus conventional irrigation systems
- ◆ Delivers water directly to the root zone
- ◆ Eliminates evaporation and surface run-off
- ◆ Reduces water losses caused by deep drainage and tunneling
- ◆ Increases fertiliser efficiency
- ◆ Safe, effective and efficient use of recycled water
- ◆ Reduces weed propagation
- ◆ Reduced vandalism and damage due to sub-surface installation
- ◆ Reduces maintenance
- ◆ Deters root intrusion without the use of chemicals
- ◆ KISSS can be operated so that the surface remains dry while roots are irrigated

KISSS CLASSIC STANDARD	Reference	PC	ROLL m	Characteristics	wall
PIPE 16 MM	KCS100D16	NON PC	400	1,02 L/H @0,3 M 55-105 k Pa	0,38 mm
PIPE 22 MM	KCS100D22	NON PC	400	1,02 L/H @0,3 M 55-105 k Pa	0,38 mm
PIPE 29 MM	KCS100D29	NON PC	400	0,75 L/H @0,4 M 55-105 k Pa	0,38 mm
PIPE PC 16 MM	KCS16PC	PC	400	2 L/H @0,5 M (4 L/H Y M) (70-160 K Pa)	0,38 mm

## KISSS® SYSTEM. KISSS STANDARD CAPILLARY IRRIGATION SYSTEM

### APPLICATION IN AGRICULTURE AND SUSTAINABLE CITIES

Subsurface irrigation system consisting of a dripper line coated by a technical geotextile with an impermeable base to avoid percolation and a baffle at the top side. Water is supplied by the drip line and is absorbed and transferred along the geotextile 10,000 times faster than in a loamy soil. Soil absorbs water from the geotextile by **capillary action**.

Its unique, patented design significantly reduces water flow required for irrigation, **saving water around 50%** relative to a surface drip irrigation, resulting suitable for conditions of water scarcity, or for individuals, companies and entities aware of the value of water and the need for its saving and care.

### SWAN WATER SOLUTIONS

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