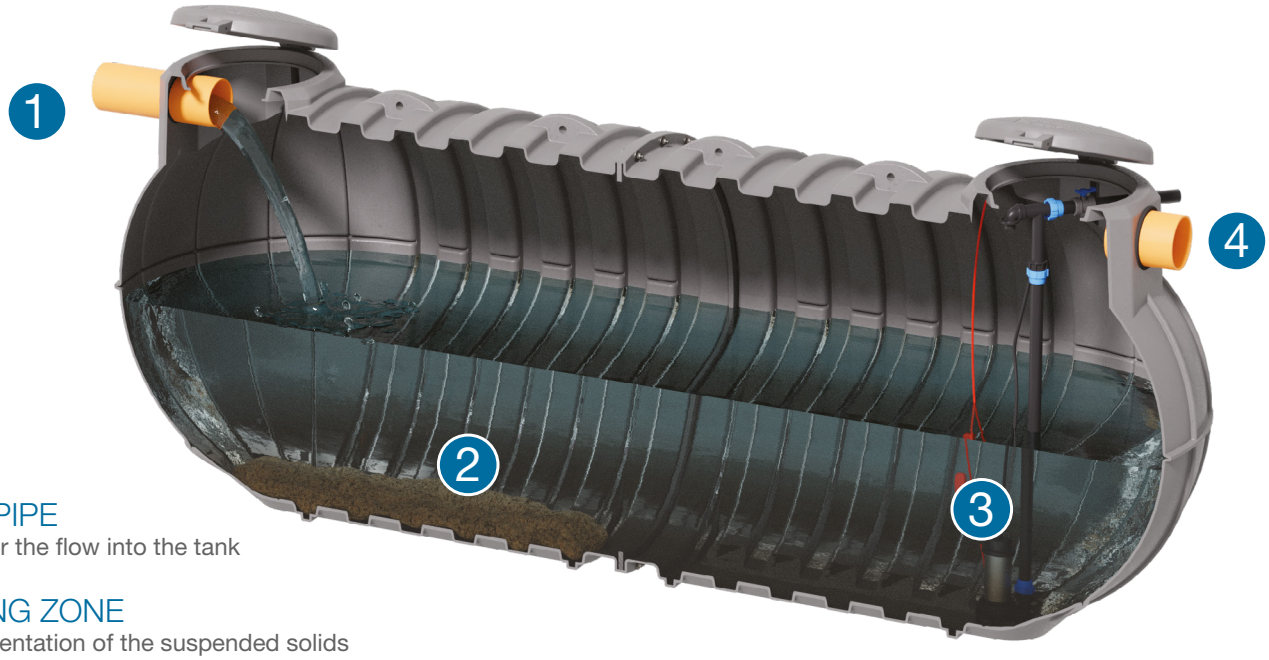
BALANCING TANKS
WITH ELECTRIC PUMP

new



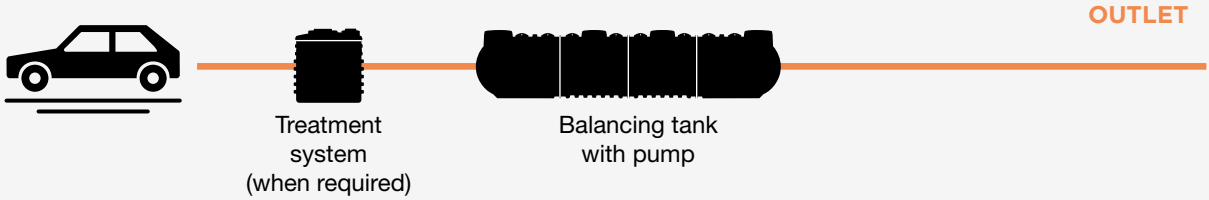
1 **INLET PIPE**
to transfer the flow into the tank

2 **STILLING ZONE**
for sedimentation of the suspended solids

3 **SUBMERSIBLE ELECTRIC PUMP**
to regulate the flow of rainwater to discharge to the final receptor

4 **SAFETY OVERFLOW**

INSTALLATION DIAGRAM



SPECIFICATIONS

TECHNICAL CHARACTERISTICS

The balancing tank is a temporary storage unit that has the purpose of regulating the flow of rainwater discharged into the final receptor (public sewer, ditch, watercourse,…). This is in order to discharge a flow that does not exceed the limit specified by the regional and local governments and/or the water authority.
The rainwater is fed to the balancing tank with pump through an inlet pipe and is discharged to the receptor by a submersible pump. The discharge flow rate of the pump can be controlled using a manual valve located on the pump delivery pipe. In this manner, in the case of heavy rainfall, the water exceeding the pump discharge rate is stored temporarily in the tank and released over a longer period of time.
Balancing tanks are required in all those areas where a high soil impermeability overloads stormwater sewerage systems, ditches or natural watercourses, thus creating rainwater disposal problems, above all during severe meteorological events.

USE

Temporary storage of rainwater collected from an impermeable surface (roads, car parks, roofs, coverings in general, warehouses, pavements, etc.) during a meteorological event.

REFERENCE STANDARDS

Local regulations.

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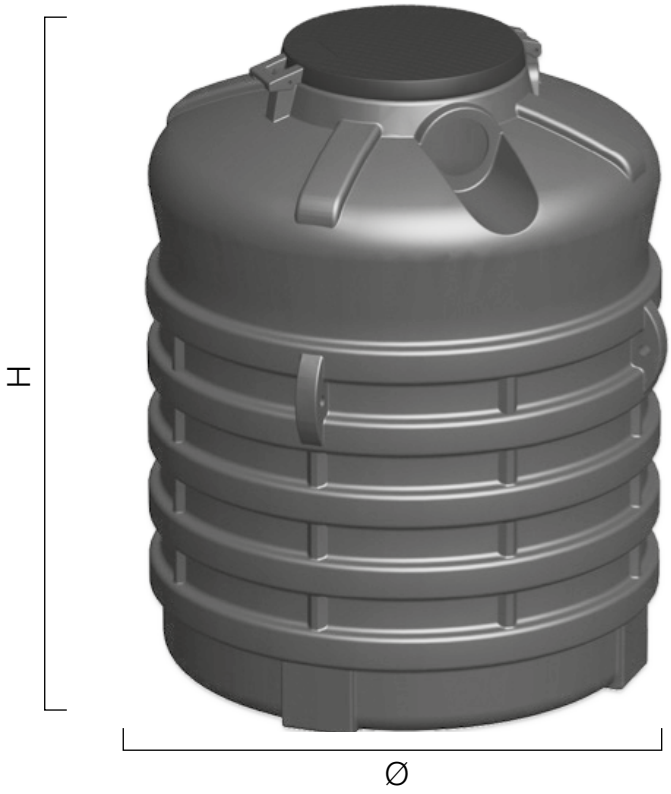

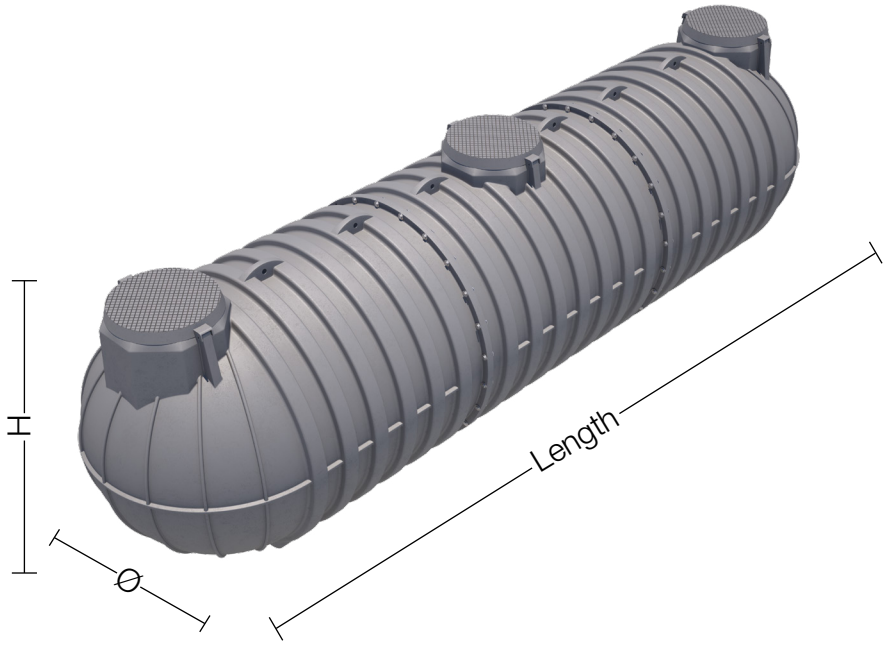

MODEL

CISTERNA

PANETTONE

MINITANK

INFINITANK

STORAGE TANKS

Item	Model	Capacity l	Length mm	Width mm	Ø mm	H mm	Covers	Extensions (optional)	Maximum* inlet Ø mm
CI3000	cisterna	3100	2090	1500	-	1720	TAP800	PP77	160
NPI4000	panettone	4050	-	-	1710	2150	TAP800	PP77	200
CI5700	cisterna	5700	2420	1920	-	2100	TAP800	PP77	250
NPI8000	panettone	7800	-	-	2270	2750	TAP800	PP77	200
CI10700	cisterna	10700	2780	2430	-	2580	TAP800	PP77	315
MT12000	minitank	12000	7180	1550	-	1710	TAP800	PP77	250
IT15000	infinitank	15000	5620	2100	-	2200	TAP800	PP77	400
MT18000	minitank	18000	10510	1550	-	1710	TAP800	PP77	250
IT22000	infinitank	22000	7880	2100	-	2200	TAP800	PP77	400
IT30000	infinitank	30000	10140	2100	-	2200	TAP800	PP77	400
IT36000	infinitank	36000	12400	2100		2200	TAP800	PP77	400

*maximum diameter of inlet pipe that can be installed on the tank

INLET AND OVERFLOW PIPES

Manufactured in PVC with NBR gasket, or with coupling for corrugated pipe in welded PE

Item	Type	Ø mm	Inlet flow rate l/s*
6TRPVC110	PVC	110	7.0
6TRPVC125	PVC	125	9.8
6TRPVC160	PVC	160	18.8
6TRPVC200	PVC	200	33.8
6TRPVC250	PVC	250	60.2
6TRPVC315	PVC	315	109.5
6MANPE250	PE	250	60.2
6MANPE315	PE	315	109.5
6MANPE400	PE	400	203.11

*inlet flow rate considering filling to 70% capacity and an inlet pipe gradient of 1%

DELIVERY PUMP KIT

Electric delivery pump installed inside the balancing tank with start and stop float switch, delivery pipe in PE, clapet type check valve, manual valve for regulating the discharge flow.

Item	Power kW	Pump model	Flow rate l/min	Head m	Pipe Ø mm
7KSM155IPP	0.25	SM155L	0-200	6.5 - 0	50
7KSM265IPP	0.55	SM265L	0-300	8.5 - 1	50

*The price includes all fittings and installation of the kit in the tank

A QCSOLP1 control panel is available on request