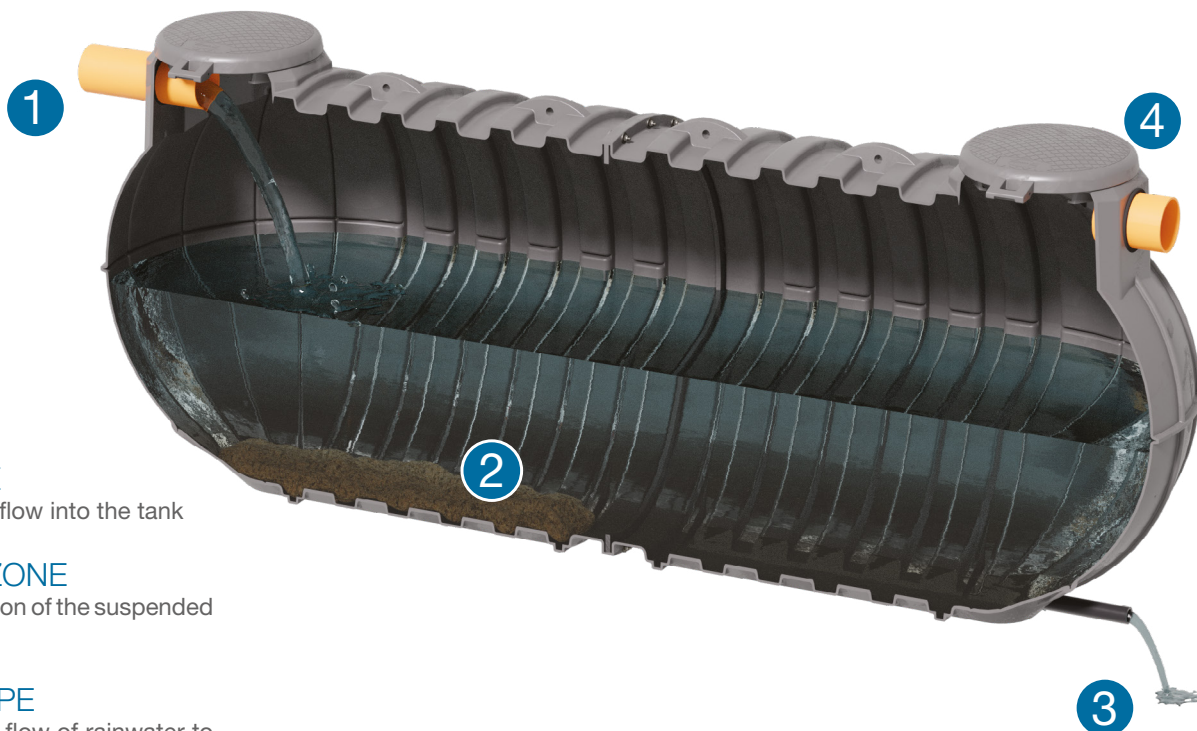


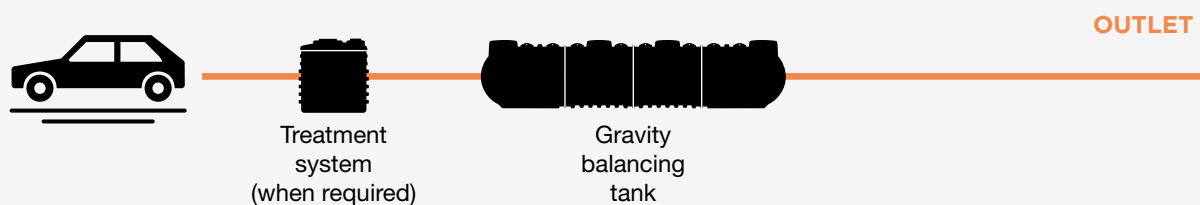
GRAVITY TYPE BALANCING TANKS

new



- 1 INLET PIPE
to transfer the flow into the tank
- 2 STILLING ZONE
for sedimentation of the suspended solids
- 3 OUTLET PIPE
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 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 gravity balancing tank through an inlet pipe and is discharged to the receptor through an outlet pipe located at the bottom of the tank. The diameter of the outlet pipe is such that the maximum discharge flow is never more than the permitted discharge to the receptor. In this manner, in the case of heavy rainfall, the water exceeding the permitted 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

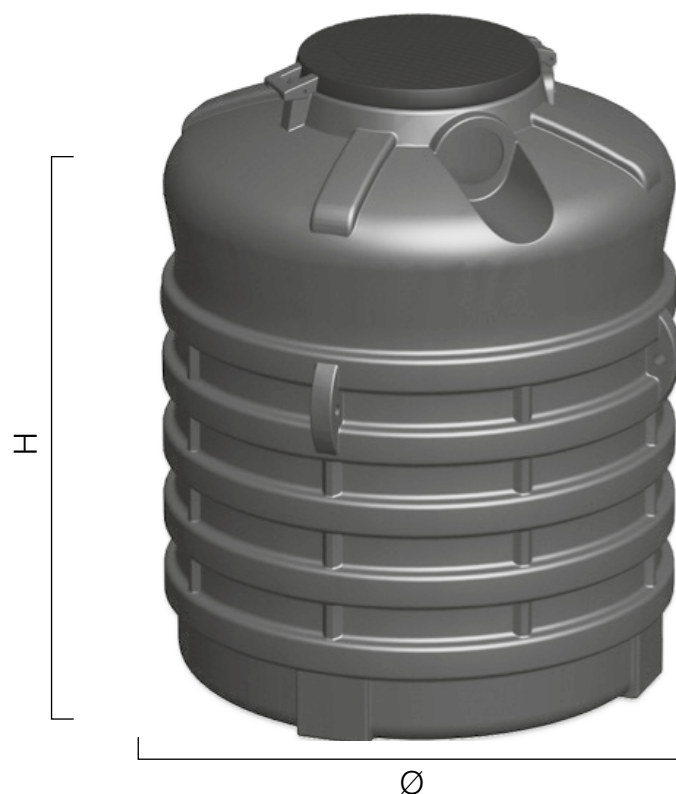
Temporary storage of rainwater collected from an impermeable surface (roads, car parks, roofs, coverings in general, warehouses, pavements, etc.) during a meteorological event.

REFERENCE STANDARDS

Local regulations.



GRAVITY TYPE BALANCING TANKS



MODEL

CISTERNA



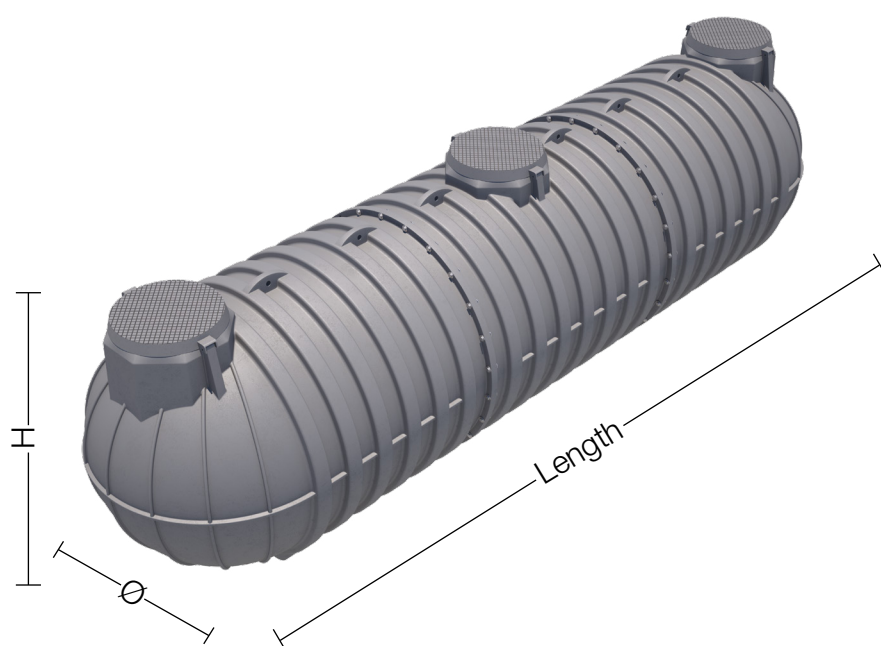
PANETTONE



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	infini-tank	15000	5620	2100	-	2200	TAP800	PP77	400
MT18000	minitank	18000	10510	1550	-	1710	TAP800	PP77	250
IT22000	infini-tank	22000	7880	2100	-	2200	TAP800	PP77	400
IT30000	infini-tank	30000	10140	2100	-	2200	TAP800	PP77	400
IT36000	infini-tank	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%

DISCHARGE PIPE

Created using PE pipes welded to the tank

Item	Ø mm	Inlet flow rate l/s*
6TRPE040S	40	4.2
6TRPE050S	50	6.6
6TRPE063S	63	10.3
6TRPE075S	75	17.5
6TRPE090S	90	26.4
6TRPE125S	125	41.3



*discharge flow considering a depth of water of 1.5 m inside the tank