

Steinhardt HydroSelf Schwallspülung

References in Singapore:

Installation in 2001
Operational since Jan. 2002



Rainwater Buffer and Clarifying Tank „ Sungei Sembawang Abstraction Station“

Technical Data

Type of tank:	Rainwater Buffer and Clarifying Tank	
	Used volume:	approx. 145,000 m ³
	Shape:	Concrete, rectangular partly covered
	Dimensions:	approx. 220 x 110 m
	Filling depth:	approx. 6,00 m
	Flush area:	approx. 22,000 m ²
Drainage:	with pumps	
Flushing gates:	No. for lanes:	54
	No. for sump drain	1
	Flushing length:	approx. 95 m
Flushing process:	automatic, with twin hydraulic power pack and redundant PLC (power consumption < 1 kW). Manual operation from PLC panel possible.	

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References in Singapore:

Installation in 2001
Operational since Jan. 2002



Rainwater Buffer and Clarifying Tank „ Sungei Sembawang Kechil Abstr. Station“

Technical Data

Type of tank:	Rainwater Buffer and Clarifying Tank	
	Used volume:	approx. 75,000 m ³
	Shape:	Concrete, rectangular partly covered
	Dimensions:	approx. 170 x 70 m
	Filling depth:	approx. 6,00 m
	Flush area:	approx. 10,000 m ²
Drainage:	with pumps	
Flushing gates:	No. for lanes:	40
	No. for sump drain	1
	Flushing length:	approx. 60 m
Flushing process:	automatic, with twin hydraulic power pack and redundant PLC (power consumption < 1 kW). Manual operation from PLC panel possible.	

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References in Great Britain

Operational since 2000



Rain Overflow Tank „Howell Road Car Park“, Exeter (GB)

Technical Data

Type of tank:	Rain overflow tank
	Used volume: approx. 2000 m ³
	Shape: Concrete, circular covered
	Diameter: approx. 26,00 m
	Filling depth: approx. 4,00 m
	Flush area: approx. 420 m ²
Drainage:	with pumps
Flushing cylinder	Type da/di: 4,00/3,50 m
	height: approx. 1,60 m
	Flushing volume approx. 14,00 m ³
Flushing process:	automatic, with hydraulic power pack and PLC (power consumption < 1 kW). Manual operation from PLC panel possible.
Hint:	Picture shows cylinder at high position

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References in France:

Installation in 1997
Operational since 1997



Rainwater Overflow Tank ARCUEIL

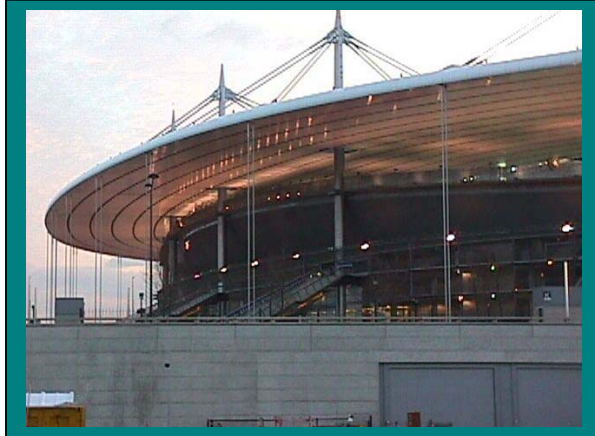
Technical Data

Type of tank:	Rainwater Overflow Tank
	Used volume: approx. 24,000 m ³
	Shape: Concrete, circular covered
	Diameter: approx. 40 m
	depth: approx. 25 m
Flushing gates:	No. for lanes: 8
	Flushing length: approx. 15 m
Flushing process:	automatic, with hydraulic power pack and PLC (power consumption < 1 kW). Manual operation from PLC panel possible.

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References in France:

Installation in 1998
Operational since 1999



Rainwater Overflow Tank „Grand Stade“, Saint Denis, Paris

Technical Data

Type of tank:	Rainwater Buffer and Clarifying Tank	
	Used volume:	approx. 165,000 m ³
	Shape:	Concrete, rectangular covered
	Dimensions:	approx. 100 x 200 m
	Filling depth:	approx. 6,00 m
	Flush area:	approx. 13,000 m ²
Drainage:	with pumps	
Flushing gates:	No. for lanes:	42
	No. for sump drain:	1
	Flushing length:	approx. 100 m
Flushing process:	automatic, with hydraulic power pack and PLC (power consumption < 1 kW). Manual operation from PLC panel possible.	