SOLENO
MASTERING WATER SUSTAINABLY

DATA SHEET

PERCOLATION CATCH BASIN

PRODUCT DESCRIPTION : Roadway application : Smooth interior and exterior walls on the upper section, with perforated corrugated exterior walls on the lower section.
Non-roadway application : Smooth interior wall and corrugated exterior wall, with perforated lower section.

FUNCTION : For collecting surface runoff and replenishing groundwater.

RAW MATERIALS : Made from high-density polyethylene (HDPE) complies with properties classification of ASTM D3350 standard.

TECHNICAL DATA : Diameter: 300 mm (12 in) to 900 mm (36 in)
Standard height: 2 m (6.5 ft)
Height of the perforated lower section: 1 m (3.3 in)
Perforation diameter: 9 mm (0.35 in)
Structural strength: CAN/CSA - S6 - 02 (CL-625) and ASHTO (H-25 and HS-25)



Percolation CATCH BASIN with smooth exterior wall, adjustable cast iron frame and grate

TECHNICAL DATA TABLE

Nom. dia.		Int. dia.		Ext. dia. (smooth wall)		Ext. dia. (corrugated wall)		Perforations (number of rows)	Weight (corrugated wall)		Frames and grates	
mm	in	mm	in	mm	in	mm	in		kg/m	lb/ft	Non-roadway	Roadway
300	12	303	11,9	372	14,7	363	14,3	4	9,5	6,4	HDPE and S series cast iron	
375	15	381	15,0	458	18,1	449	17,7	4	12,0	8,0	HDPE and S series cast iron	
450	18	457	18,0	553	21,8	544	21,4	4	16,5	11,1	HDPE and S series cast iron	Adjustable cast iron
600	24	611	24,1	748	29,4	738	29,1	8	25,8	17,3	S series cast iron	Adjustable cast iron
750	30	756	29,8	899	35,4	890	35	8	38,0	25,5	S series cast iron	Adjustable cast iron
900	36	900	35,4	1050	41,4	1041	41	8	60,8	40,8	S series cast iron	Adjustable cast iron

Note 1: Technical data is for informational purposes only and may vary without notice.
Note 2: Contact your castings supplier for exact dimensions of available grates and covers.
Note 3: Weight does not include frames and grates.

DATA SHEET

PERCOLATION CATCH BASIN (CONT'D)

AVAILABLE COUPLERS/DIAMETER OF THE CONNECTING PIPE

Nominal dia. connecting pipe		Watertigh connections					Soil tight connections	
		HDPE			PVC		HDPE	Concrete
mm	in	DBIG	BIGC	S	MG	S	BC / PE	Other
100	4	X		X	X	X	X	X
150	6	X		X	X	X	X	X
200	8	X		X	X	X	X	X
250	10	X					X	X
300	12		X				X	X
375	15		X				X	X
450	18		X				X	X
525	21		X				X	X
600	24		X				X	X
750	30		X				X	X
900	36		X				X	X

Note 1: For the number of inlets and outlets from the manhole, see reference document "Minimum angle between connexions".

LEGEND
DBIG : double bell with integrated gasket
BIGC : bell with integrated gasket with clips
MG : multiaxial gasket
S : Sol Tee
BC / PE : bell with clips / plain end

APPLICATIONS : Percolation well

OPTIONS: Other diameters and special couplers are available upon request
Riser
Lift eyelet
Special frames and grates
Flow regulator