

DATA SHEET

PERCOLATION CATCH BASIN

PRODUCT DESCRIPTION : Smooth interior and exterior walls on the upper section, perforated corrugated exterior walls on the lower section (for roadway and non roadway use).

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 1 200 mm (48 in)
 Standard height: 2 m (6.5 ft)
 Height of the perforated lower section: 1 m (3.3 in)
 Perforation diameter: 9 mm (0.3 in)
 Min. number of perforation rows: 8 per section
 Structural strength: CAN/CSA - S6 - 02 (CL-625) and
 AASHTO (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)		Weight (Smooth wall)		Frames and grates	
mm	po	mm	po	mm	po	kg/m	lb/pi	Non-roadway	Roadway
450	18	457	18,0	553	21,8	37,9	25,4	HDPE and S series cast iron	Adjustable cast iron
600	24	603	23,8	750	29,5	68,3	45,8	S series cast iron	Adjustable cast iron
750	30	756	29,8	899	35,4	110,9	74,4	S series cast iron	Adjustable cast iron
900	36	900	35,4	1050	41,4	127,5	85,5	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.

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PERCOLATION CATCH BASIN (CONT'D)

AVAILABLE COUPLERS/DIAMETER OF THE CONNECTING PIPE

Nominal dia. connecting pipe		Watertight connectors					Soil tight connectors	
		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