EQUIVALENCE SHEET

HYDROSTOR®	VS	STORMTECH	
HS290		**MC-4500**	**MC-7200**
1511 mm (59,5")	Height **(A)**	1524 mm (60")	
2553 mm (100,5")	Width **(B)**	2540 mm (100")	
1227 mm (48,3")	Installed Length	1227 mm (48,3")	2010 mm (79,1")
229 mm (9")	Bedding **(C)**	229 mm (9")	
216 mm (8,5")	Chamber spacing **(D)**	229 mm (9")	
305 mm (12")	Min clean stone Chamber Embedment Backfill **(E)**	305 mm (12")	
610 mm (24")	Min. Cover Height **(F)**	610 mm (24")	
2349,5 mm (92,5")	Min. Depth including Base of Stone	2362 mm (93")	
305 mm (12")	Min. Spacing Between Chamber and Trench Wall	305 mm (12")	
2,44 m (8 ft)	Max. Burial Height (from the top of the chamber to the pavement)	2,13 m (7 ft)	
3,10 m^3 (109,6 ft^3)	Volume (chamber only)	3,01 m^3 (106,5 ft^3)	4,98 m^3 (175,9 ft^3)
4,66 m^3 (164,5 ft^3)	Installed Storage per Chamber	4,60 m^3 (162,6 ft^3)	7,57 m^3 (267,3 ft^3)
PP	Material	PP	
Injection Molded	Manufacturing Method	Injection Molded	
CSA B184.2 ASTM F2418 ASTM F2787	Specs	CSA B184.2 ASTM F2418 ASTM F2787	
Product Moved by Hand	Chamber Installation Requirements*	Product Moved by Hand	Equipment Needed for Moving Product
28 lbs (12,7 kg)	Weight Per Lifting Handle	No handle	101 lbs (45 kg)

*Light weight and lifting handles allows HydroStor HS290 chambers to be moved by hand; Weight and lack of lifting handles requires equipment to move StormTech MC-7200 chambers, resulting in more labor, longer installation time, and higher installation costs.

INSTALLATION COMPARISON HS290 & MC-4500 & MC-7200 (28 FT. ROW†)

† Due to the differing chamber lengths, 28′ is the first common length of a row of installed chambers and the basis of the comparison.

7	No. of Chambers	7	4
2,53 m^3/m (27,23 ft^3/ft)	Linear retention volume	2,48 m^3/m (26,68 ft^3/ft)	
3,8 m^3/m (40,87 ft^3/ft)	Installed linear retention volume	3,76 m^3/m (40,5 ft^3/ft)	
305 mm (12")	Clean stone backfill**	305 mm (12")	
610 mm (24")	Minimum backfill height **(A)*****	610 mm (24")	
2,438 m (8′)	Maximum installation depth****	2,134 m (7′)	
1,27 m^3/m (13,64 ft^3/ft)	Void stone volume‡	1,28 m^3/m (13,82 ft^3/ft)	
229 mm (9")	Bedding	229 mm (9")	
216 mm (8,5")	Chamber Spacing **(D)**	229 mm (9")	
2349,5 mm (92,5")	Min. Depth including Base of Stone	2362 mm (93")	

** Used in Installed Storage Calculations.
***Measured from top of chamber to bottom of pavement.
**** Measured from the top of chamber to the top of pavement
‡Assumes 40% porosity





