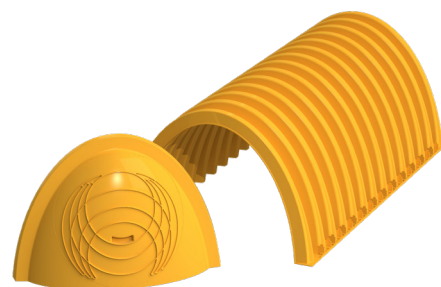


StormTech® SC-800 Chamber

Designed to meet the most stringent industry performance standards for superior structural integrity while providing designers with a cost-effective method to save valuable land and protect water resources. The StormTech system is designed primarily to be used under parking lots, thus maximizing land usage for private (commercial) and public applications. StormTech chambers can also be used in conjunction with Green Infrastructure, thus enhancing the performance and extending the service life of these practices.



Nominal Chamber Specifications

(not to scale)

Size (L x W x H)

2169 x 1295 x 838 mm

85.4" x 51" x 33"

Chamber Storage

1.43 m³ (50.6 ft³)

Min. Installed Storage*

2.22 m³ (78.4 ft³)

Weight

37.1 kg (81.8 lbs)

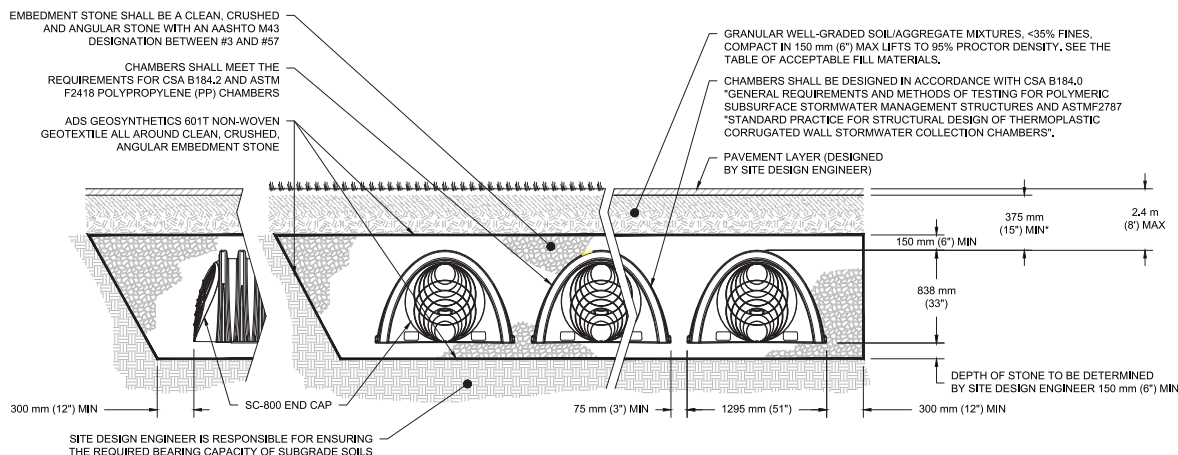
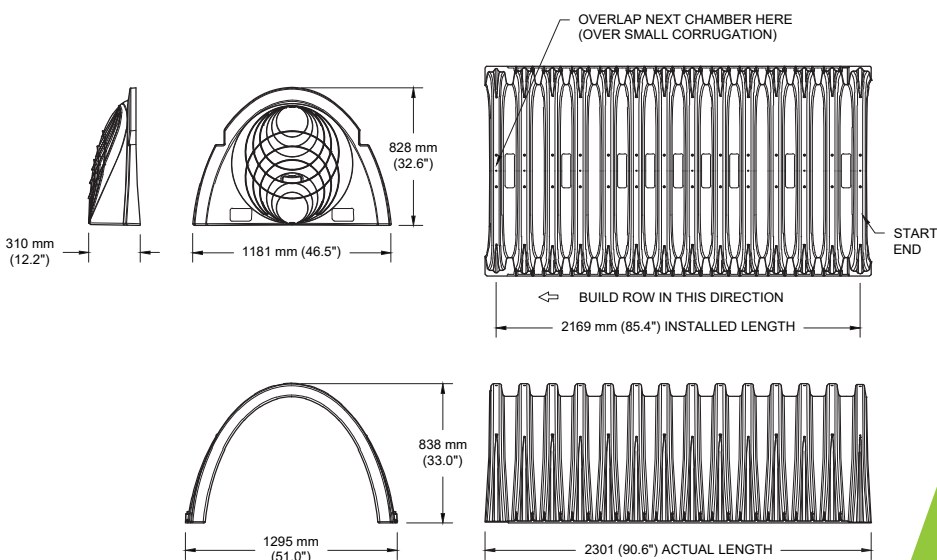
Shipping

30 chambers/pallet

60 end caps/pallet

12 pallets/truck

*Assumes 150 mm (6") stone above and below chambers, 75 mm (3") stone between chambers, and 40% stone porosity.



*MINIMUM COVER TO BOTTOM OF FLEXIBLE PAVEMENT, FOR UNPAVED INSTALLATIONS WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 533 mm (21").

StormTech SC-800 Specifications

Cumulative Storage Volumes Per Chamber

Assumes 40% Stone Porosity. Calculations are Based Upon a 150 mm (6") Stone Base Under Chambers.

Depth of Water in System mm (in)		Cumulative Chamber Storage m ³ (ft ³)	Total System Cumulative Storage m ³ (ft ³)
1143 (45)		1.433 (50.62)	2.22 (78.41)
1118 (44)		1.433 (50.62)	2.19 (77.34)
1092 (43)		1.433 (50.62)	2.16 (76.28)
1067 (42)	Stone Cover	1.433 (50.62)	2.13 (75.21)
1041 (41)		1.433 (50.62)	2.10 (74.14)
1016 (40)		1.433 (50.62)	2.07 (73.07)
991 (39)		1.433 (50.62)	2.04 (72.01)
965 (38)		1.431 (50.55)	2.01 (70.89)
940 (37)		1.426 (50.35)	1.97 (69.71)
914 (36)		1.418 (50.07)	1.94 (68.47)
889 (35)		1.403 (49.56)	1.90 (67.10)
864 (34)		1.382 (48.82)	1.86 (65.59)
838 (33)		1.357 (47.93)	1.81 (63.98)
813 (32)		1.328 (46.91)	1.76 (62.31)
787 (31)		1.297 (45.79)	1.72 (60.57)
762 (30)		1.262 (44.58)	1.66 (58.77)
737 (29)		1.226 (43.28)	1.61 (56.93)
711 (28)		1.187 (41.91)	1.56 (55.04)
686 (27)		1.146 (40.47)	1.50 (53.10)
660 (26)		1.103 (38.96)	1.45 (51.13)
635 (25)		1.059 (37.40)	1.39 (49.13)
610 (24)		1.013 (35.78)	1.33 (47.09)
584 (23)		0.966 (34.10)	1.27 (45.02)
559 (22)		0.917 (32.38)	1.22 (42.91)
533 (21)		0.867 (30.61)	1.15 (40.79)
508 (20)		0.816 (28.80)	1.09 (38.63)
483 (19)		0.763 (26.95)	1.03 (36.45)
457 (18)		0.710 (25.06)	0.97 (34.25)
432 (17)		0.655 (23.13)	0.91 (32.02)
406 (16)		0.599 (21.17)	0.84 (29.78)
381 (15)		0.543 (19.17)	0.78 (27.51)
356 (14)		0.485 (17.14)	0.71 (25.23)
330 (13)		0.427 (15.09)	0.65 (22.93)
305 (12)		0.368 (13.00)	0.58 (20.61)
279 (11)		0.308 (10.89)	0.52 (18.28)
254 (10)		0.248 (8.76)	0.45 (15.93)
229 (9)		0.187 (6.60)	0.38 (13.57)
203 (8)		0.125 (4.42)	0.32 (11.19)
178 (7)		0.063 (2.22)	0.25 (8.81)
152 (6)		0 (0)	0.18 (6.41)
127 (5)		0 (0)	0.15 (5.34)
102 (4)	Stone Foundation	0 (0)	0.12 (4.27)
76 (3)		0 (0)	0.09 (3.20)
51 (2)		0 (0)	0.06 (2.14)
25 (1)		0 (0)	0.03 (1.07)

Note: Add 0.03 m³ (1.07 ft³) of storage for each additional 25.4 mm (inch) of stone foundation.

Storage Volume Per Chamber m³ (ft³)

	Bare Chamber Storage m ³ (ft ³)	Chamber and Stone Foundation Depth mm (in.)		
		150 (6)	300 (12)	450 (18)
SC-800 Chamber	1.43 (50.6)	2.22 (78.4)	2.4 (84.8)	2.58 (91.2)

Note: Assumes 150 mm (6") stone above chambers, 75 mm (3") row spacing and 40% stone porosity.

Amount of Stone Per Chamber

Metric Kilograms (m ³)	Stone Foundation Depth		
	150 mm	300 mm	450 mm
SC-800	3270 (2.0)	3990 (2.4)	4810 (2.9)
English Tons (yds ³)	6"	12"	18"
SC-800	3.6 (2.6)	4.4 (3.2)	5.3 (3.8)

Note: Assumes 150 mm (6") of stone above chambers and 75 mm (3") stone between chambers.

Volume Excavation Per Chamber m³ (yd³)

	Stone Foundation Depth mm (in.)		
	150 (6)	300 (12)	450 (18)
SC-800	4.1 (5.3)	4.5 (5.9)	5.0 (6.5)

Note: Assumes 75 mm (3") of row separation and 375 mm (15") of cover. The volume of excavation will vary as depth of cover increases.

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