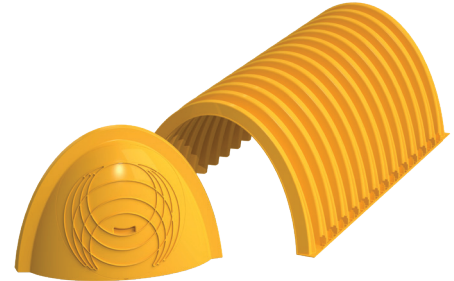


StormTech® SC-800 Chamber

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 mm x 1295 mm 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)

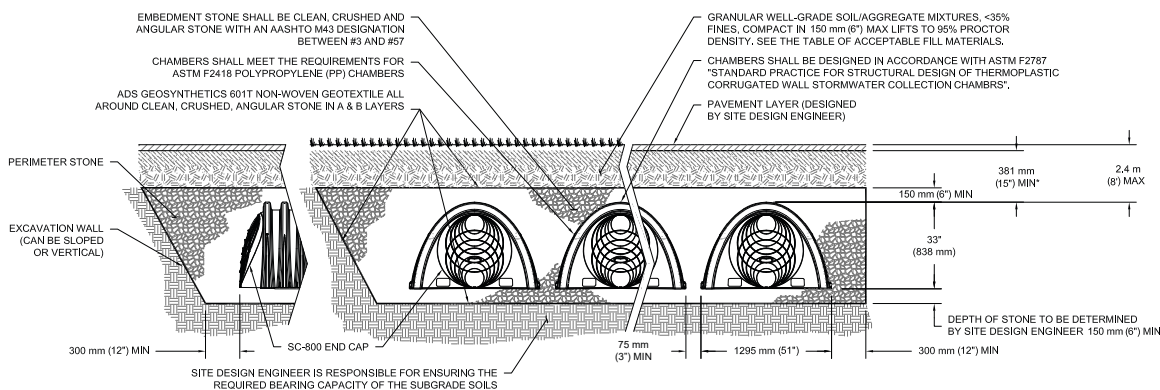
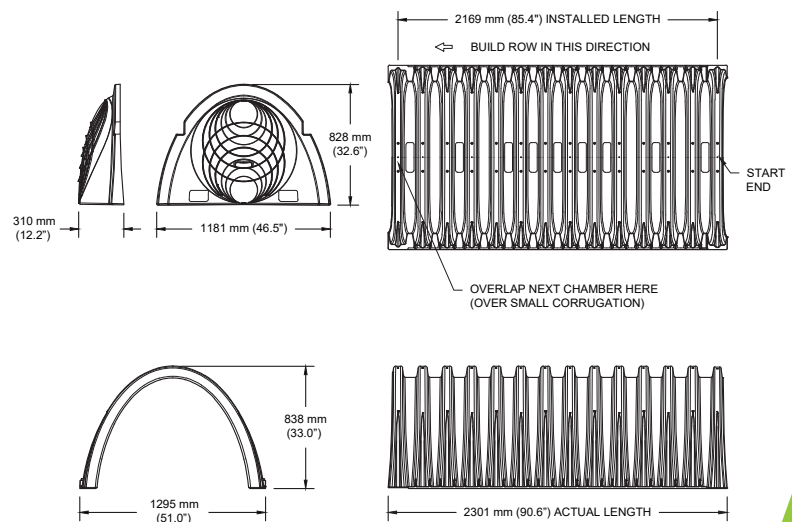
Weight

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)	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)	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 mm (1") of stone foundation.

ADS StormTech products, manufactured in accordance with ASTM F2418 or ASTM F2922, comply with all requirements in the Build America, Buy America (BABA) Act.

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Storage Volume Per Chamber

Bare Chamber Storage Volume			
m³ (ft³)		1.43 (50.6)	
Including Stone Backfill			
Stone Foundation Depth mm (in)	230 (9)	300 (12)	450 (18)
Stone Foundation Depth m³ (ft³)	2.2 (78.4)	2.3 (81.8)	2.5 (88.6)

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

Amount of Stone Per Chamber

Stone Foundation Depth mm (in)	Stone Mass kg (tons)	Stone Volume m ³ (yd ³)
230 (9)	3,270 (3.6)	2.0 (2.6)
300 (12)	3,990 (4.4)	2.4 (3.2)
450 (18)	4,810 (5.3)	2.9 (3.8)

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

Volume Excavation Per Chamber

Stone Foundation Depth [mm (in)]	230 (9)	300 (12)	450 (18)
m ³ (yd ³)	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.



Scan the QR Code to check out the Declaration of Performance page.