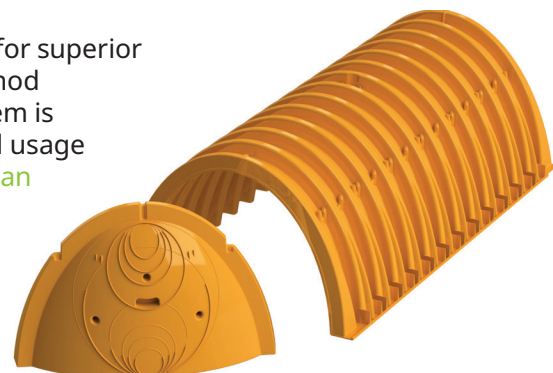


StormTech® DC-780 Chamber

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.



- 3.6 m (12') Deep Cover Applications
- Designed in accordance with ASTM F2787 and produced to meet the ASTM F2418 product standard.
- AASHTO safety factors provided for AASHTO Design Truck (H20 and deep cover conditions.)

Nominal Chamber Specifications

(not to scale)

Size (L x W x H)

2169 mm x 1,295 mm x 762 mm
85.4" x 51" x 30"

Chamber Storage

1.30 m³ (46.2ft³)

Min. Installed Storage*

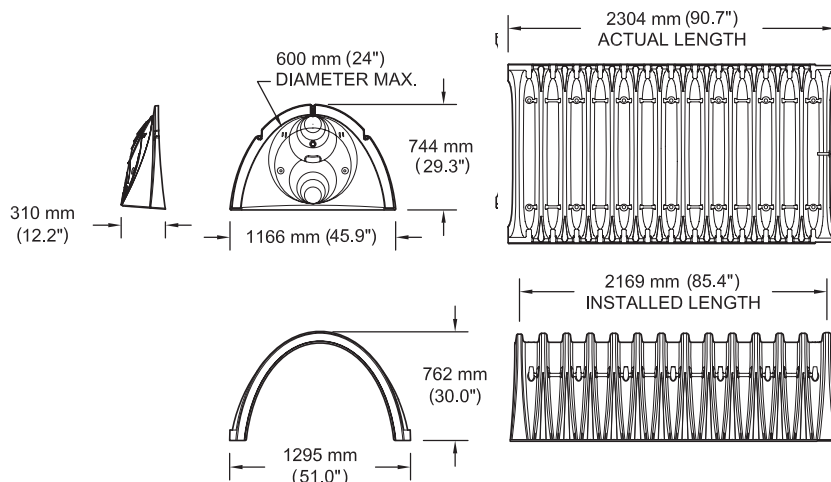
2.20 m³ (78.4 ft³)

Weight

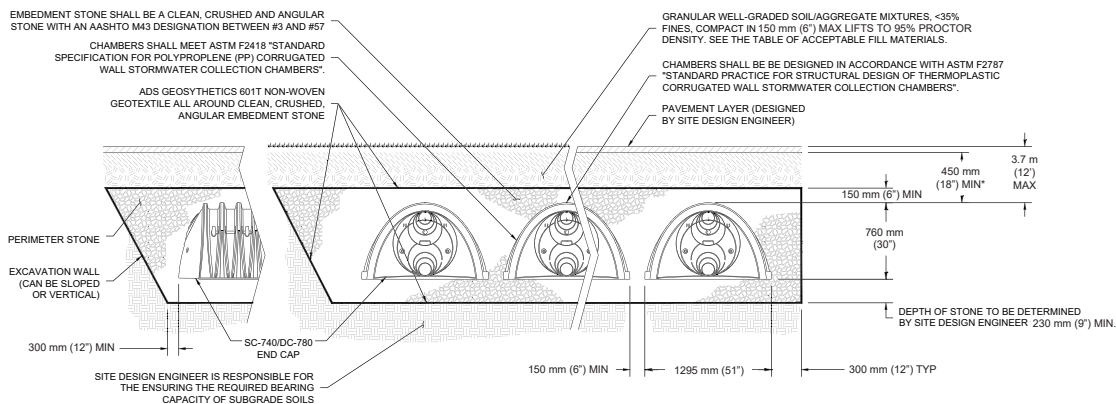
36.3 kg (80.0 lbs)

Shipping

25 chambers/pallet
60 end caps/pallet
12 pallets/truck



*Assumes 230 mm (9") stone below, 150 mm (6") row spacing and 40% stone porosity.



*MINIMUM COVER TO BOTTOM OF FLEXIBLE PAVEMENT. FOR UNPAVED INSTALLATIONS WHERE RUTTING FROM VEHICLES MAY OCCUR, INCREASE COVER TO 600 mm (24").



StormTech DC-780 Specifications

Cumulative Storage Volumes Per Chamber

Assumes 40% Stone Porosity. Calculations are Based Upon a 230 mm (9") Stone Base Under Chambers.

Depth of Water in System mm (in)	Cumulative Chamber Storage m³ (ft³)	Total System Cumulative Storage m³ (ft³)
1,143 (45)	1.310 (46.27)	2.222 (78.47)
1,118 (44)	1.310 (46.27)	2.190 (77.34)
1,092 (43)	1.310 (46.27)	2.158 (76.21)
1,067 (42)	1.310 (46.27)	2.126 (75.09)
1,041 (41)	1.310 (46.27)	2.094 (73.96)
1,016 (40)	1.310 (46.27)	2.062 (72.83)
991 (39)	1.310 (46.27)	2.030 (71.71)
965 (38)	1.309 (46.21)	1.998 (70.54)
940 (37)	1.304 (46.04)	1.963 (69.32)
914 (36)	1.296 (45.76)	1.926 (68.02)
889 (35)	1.278 (45.15)	1.884 (66.53)
864 (34)	1.255 (44.34)	1.838 (64.91)
838 (33)	1.228 (43.38)	1.790 (63.21)
813 (32)	1.198 (42.29)	1.740 (61.43)
787 (31)	1.164 (41.11)	1.688 (59.59)
762 (30)	1.128 (39.83)	1.634 (57.70)
737 (29)	1.089 (38.47)	1.579 (55.76)
711 (28)	1.048 (37.01)	1.522 (53.76)
686 (27)	1.005 (35.49)	1.464 (51.72)
660 (26)	0.960 (33.90)	1.405 (49.63)
635 (25)	0.913 (32.24)	1.346 (47.52)
610 (24)	0.865 (30.54)	1.285 (45.36)
584 (23)	0.815 (28.77)	1.223 (43.18)
559 (22)	0.763 (26.96)	1.160 (40.97)
533 (21)	0.711 (25.10)	1.096 (38.72)
508 (20)	0.657 (23.19)	1.032 (36.45)
483 (19)	0.602 (21.25)	0.967 (34.16)
457 (18)	0.545 (19.26)	0.902 (31.84)
432 (17)	0.488 (17.24)	0.835 (29.50)
406 (16)	0.430 (15.19)	0.769 (27.14)
381 (15)	0.371 (13.10)	0.701 (24.76)
356 (14)	0.311 (10.98)	0.633 (22.36)
330 (13)	0.250 (8.83)	0.565 (19.95)
305 (12)	0.189 (6.66)	0.496 (17.52)
279 (11)	0.126 (4.46)	0.427 (15.07)
254 (10)	0.064 (2.24)	0.357 (12.61)
229 (9)	0 (0)	0.287 (10.14)
203 (8)	0 (0)	0.255 (9.01)
178 (7)	0 (0)	0.223 (7.89)
152 (6)	0 (0)	0.191 (6.76)
127 (5)	0 (0)	0.160 (5.63)
102 (4)	0 (0)	0.128 (4.51)
76 (3)	0 (0)	0.096 (3.38)
51 (2)	0 (0)	0.064 (2.25)
25 (1)	0 (0)	0.032 (1.13)

Note: Add 0.032 m³ (1.13 ft³) of Storage for Each Additional Inch (25 mm) of Stone Foundation.

Storage Volume Per Chamber

Bare Chamber Storage Volume			
m³ (ft³)		1.3 (46.2)	
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 40% porosity for the stone, the bare chamber volume, 150 mm (6") of stone above, and 150 mm (6") row spacing.

Amount of Stone Per Chamber

Stone Foundation Depth mm (in)	Stone Mass kg (tons)	Stone Volume m³ (yd³)
230 (9)	3,810 (4.2)	2.3 (3.0)
300 (12)	4,264 (4.7)	2.5 (3.3)
450 (18)	5,080 (5.6)	3.0 (3.9)

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

Volume Excavation Per Chamber

Stone Foundation Depth [mm (in)]	230 (9)	300 (12)	450 (18)
m³ (yd³)	4.5 (5.9)	4.8 (6.3)	5.3 (6.9)

Note: Assumes 150 mm (6") separation between chamber rows and 450 mm (18") of cover. The volume of excavation will vary as depth of cover increases.

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



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

Working on a project?

Visit us at adspipe.ca/stormtech and utilize the Design Tool



ADS "Terms and Conditions of Sale" are available on the ADS website, www.adspipe.ca
The ADS logo and the Green Stripe are registered trademarks of Advanced Drainage Systems, Inc.
StormTech® is a registered trademark of StormTech, Inc.
© 2026 Advanced Drainage Systems, Inc. S201209_C 9/26 CS



adspipe.ca