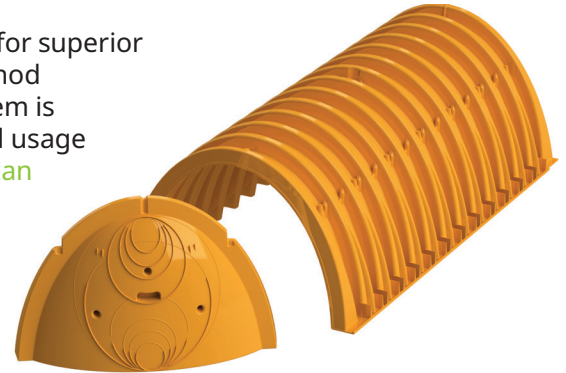


StormTech® DC-780 Chamber

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 and deep cover conditions (performance also meets CL-625 loading)

Nominal Chamber Specifications

(not to scale)

Size (L x W x H)

2169 mm x 1295 mm x 762 mm
85.4" x 51" x 30"

Chamber Storage

1.30 m³ (46.2 ft³)

Min. Installed Storage*

2.20 m³ (78.4 ft³)

Weight

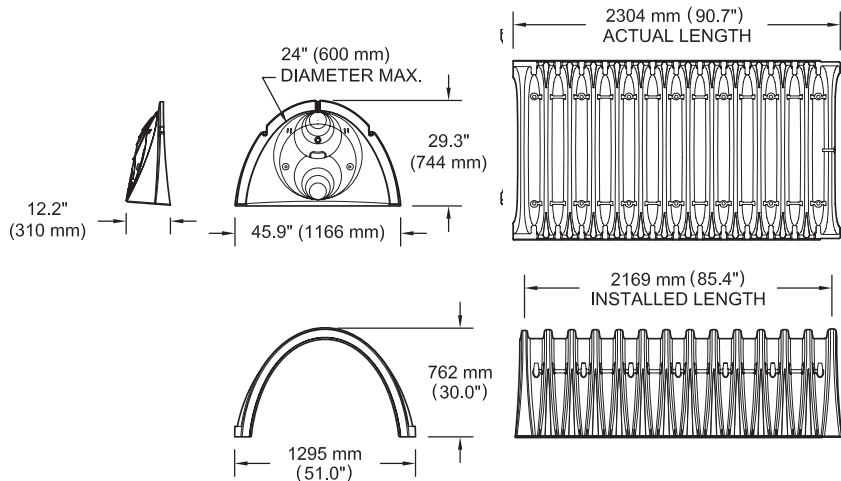
36.3 kg (80.0 lbs)

Shipping

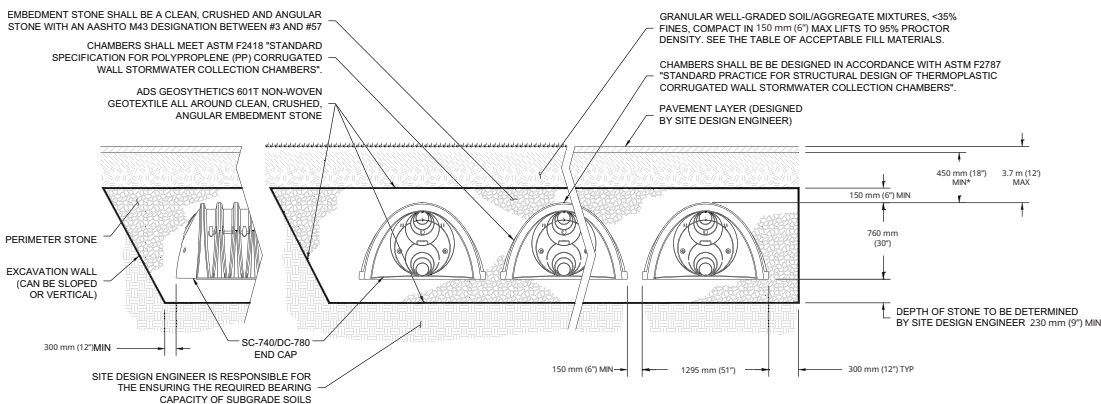
25 chambers/pallet

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 24" (600 mm).

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 Millimeters (in)	Cumulative Chamber Storage m ³ (ft ³)	Total System Cumulative Storage m ³ (ft ³)
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 25.4 mm (1") 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)
DC-780 Chamber	2.2 (78.4)	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

Metric Kilograms (m ³)	Stone Foundation Depth		
	150 mm	300 mm	450 mm
DC-780	3,810 (2.3)	4,264 (2.5)	5,080 (3.0)
English Tons (yds ³)	6"	12"	18"
DC-780	4.2 (3.0)	4.7 (3.3)	5.6 (3.9)

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

Volume Excavation Per Chamber m³ (yd³)

	Stone Foundation Depth		
	150 (6)	300 (12)	450 (18)
DC-780	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.

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and utilize the Design Tool

