

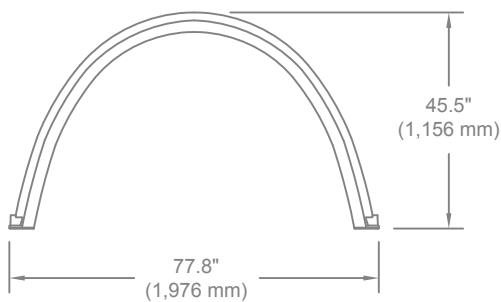
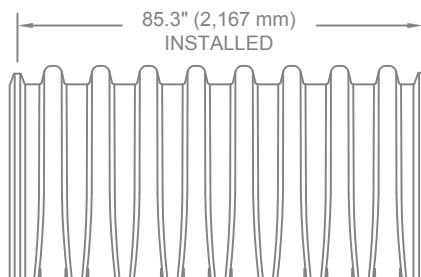
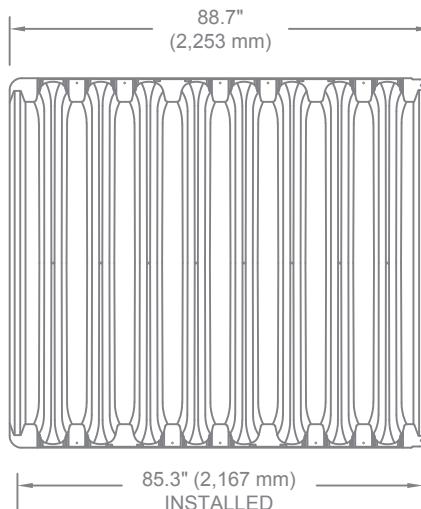


Prinsco's HS180 HydroStor® stormwater chamber delivers high-performance, sustainable underground water management for applications such as parking lots, roadways and commercial developments. Designed for versatility and efficiency, the HS180 supports responsible land management and groundwater recharge while meeting a wide range of project requirements and budgets.



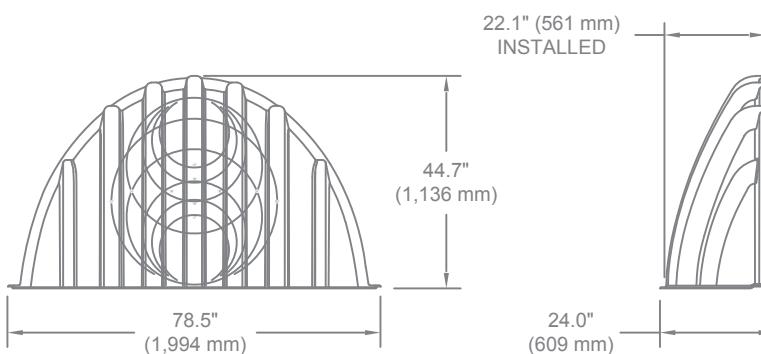
Chamber Specifications

Chamber Size (L x W x H)	88.7" x 77.8" x 45.5" (2,253 x 1,976 x 1,156 mm)
Installed Length	85.3" (2,167 mm)
Chamber Storage	113.6 ft ³ (3.2 m ³)
Minimum Installed Storage	176.0 ft ³ (5.0 m ³)
Weight	122 lbs (55.3 kg)
Chambers/Pallet	19
Approx. Weight/Pallet	2,500 lbs (1,135 kg)

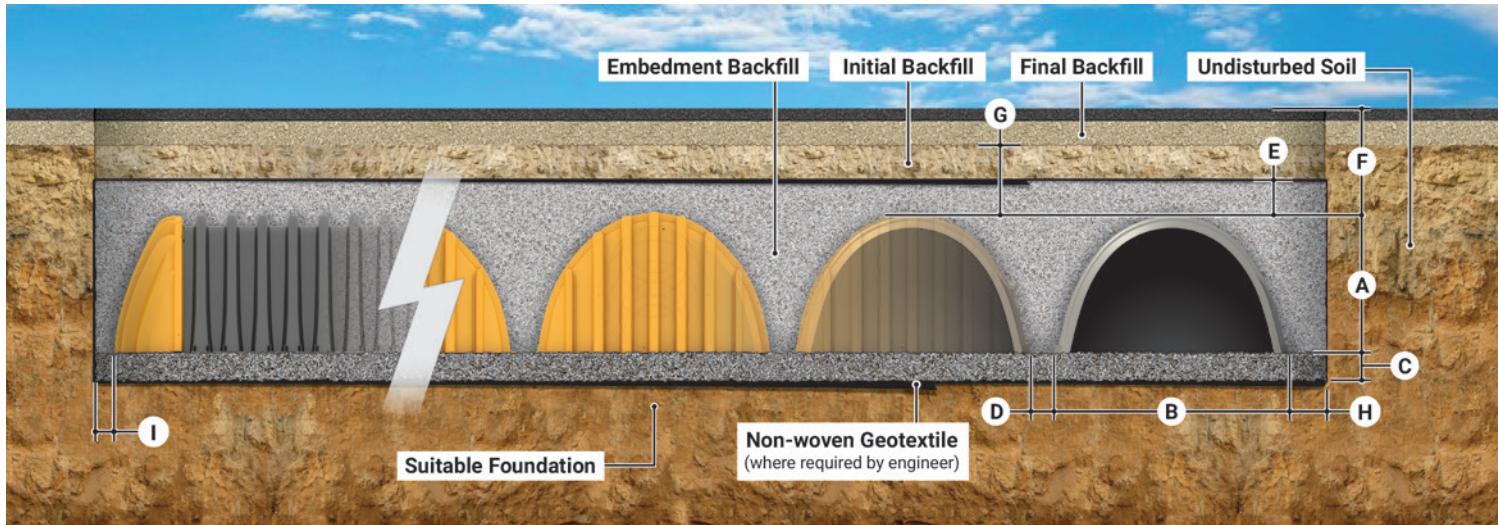


End Cap Specifications

Chamber Size (L x W x H)	24.0" x 78.5" x 44.7" (609 x 1,994 x 1,136 mm)
Installed Length	22.1" (561 mm)
End Cap Storage	15.3 ft ³ (0.4 m ³)
Minimum Installed Storage	44.8 ft ³ (1.3 m ³)
Weight	52 lbs (23.6 kg)
End Caps/Pallet	12



HydroStor® chambers and end caps are engineered to meet or exceed **ASTM F2418** product standards and **ASTM F2787** design standards, as well as **AASHTO H20** live-load and **HL-93** design-load requirements.



Height (A)	45.5" (1,156 mm)
Width (B)	77.8" (1,976 mm)
Min. Foundation Stone (C)	9" (230 mm)
Min. Chamber Spacing (D)	5" (130 mm)
Min. Backfill above Chamber (E)	12" (300 mm)

Max. Burial Depth (F)	8' (2.44 m)
Min. Cover (G)	18" (450 mm)
Min. Backfill at Edge of System (H)	12" (300 mm)
Min. Backfill at End of System (I)	6" (150 mm)

Chamber and Stone Storage Volumes

Stone Foundation Depths	HS180 Chamber ft ³ (m ³)	HS180 End Cap ft ³ (m ³)
Bare Unit	113.56 (3.22)	15.33 (0.43)
9 in. (225 mm)	175.95 (4.98)	44.77 (1.27)
12 in. (300 mm)	180.9 (5.12)	46.4 (1.31)
15 in. (375 mm)	185.8 (5.26)	48.0 (1.36)
18 in. (450 mm)	190.7 (5.4)	49.6 (1.4)

Stone Required per Chamber and End Cap

Stone Foundation Depths	HS180 Chamber		HS180 End Cap	
	yd ³ /US tons	m ³ /metric tons	yd ³ /US tons	m ³ /metric tons
9 in. (225 mm)	5.86/7.91	4.48/7.18	2.75/3.71	2.1/3.37
12 in. (300 mm)	6.31/8.52	4.83/7.73	2.9/3.91	2.21/3.55
15 in. (375 mm)	6.77/9.13	5.17/8.28	3.05/4.11	2.33/3.73
18 in. (450 mm)	7.22/9.75	5.52/8.85	3.2/4.32	2.44/3.92

Volume of Excavation Required per Chamber

Stone Foundation Depths	HS180 Chamber yd ³ (m ³)	HS180 End Cap yd ³ (m ³)
9 in. (225 mm)	10.97 (8.39)	3.61 (2.76)
12 in. (300 mm)	11.43 (8.74)	3.76 (2.88)
15 in. (375 mm)	11.88 (9.08)	3.91 (2.99)
18 in. (450 mm)	12.33 (9.43)	4.06 (3.11)

Assumes 5 in. (130 mm) of separation between chamber rows, 6 in. (150 mm) of perimeter in front of end caps and 18 in. (460 mm) of cover minimum. If the depth of cover exceeds 18 in. (460 mm), the volume should be increased 1.82cy (1.39 m³) per chamber and 0.60 cy (0.46 m³) per end cap for each additional foot (300 mm) of depth.

More about HydroStor®
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[Installation Documents](#)
[Specifications](#)
[Technical Notes](#)



the
Prinsco
difference
service led by values

Prinsco products are fully supported by our engineering team and are designed, manufactured and tested to meet/exceed the high performance needs of the construction market. Prinsco's engineering, quality control and production teams are committed to a continuous process of innovation and product development. We are focused on current and future market needs centered around environmental sustainability, water quality, stormwater management and performance advancement.