

# HydroStor™ Stormwater Storage Chambers



When it comes to stormwater chambers, the road from good to great leads directly to HydroStor, the industry’s highest performing chambers. They meet or exceed proven ASTM/CSA structural, design, and product standards while including features that matter to the designer and installer.



Available sizes:	HS290	HS180	HS75	HS31
Storage Capacity*	4.66 m3 / 164.5 ft3	5.10 m3 / 176 ft3	2.12 m3 / 74.9 ft3	0.88 m3 / 31.1 ft3
Height	1511 mm (59.5")	1156 mm (45.5")	754 mm (29.7")	406 mm (16")
Width	2544 mm (100.5")	1976 mm (77.8")	1295 mm (51")	838 mm (33")
Unit Length	1317 mm (51.8")	2253 mm (88.7")	2212 mm (87.1")	2230 mm (87.8")
Installed Length	1227 mm (48.3")	2167 mm (85.3")	2155 mm (84.9")	2169 mm (85.4")
Weight	57 kg (125 lbs)	58 kg (127 lbs)	32 kg (70 lbs)	15 kg (32 lbs)
Chambers/Pallet	10	19	33	45
Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Mfg. Process	Injection Molding	Injection Molding	Injection Molding	Injection Molding
Special Features	Integrated Handles	Integrated Handles	Integrated Handles	Integrated Connectors
ASTM/CSA Standard	ASTM	ASTM / CSA	ASTM / CSA	ASTM

**NOTE:**

\*Storage capacity is per chamber. Assuming 40% void volume of backfill with 9" bedding & 12" cover for HS180 and 6" bedding and 6" cover for HS75.

## Which Chamber is Right for Your Project

This decision tree can help to get your start on picking the right chamber size for your project. After selecting a size, contact your local sales rep to ensure it meets your project requirements.



Start with the HS180  
Height: 45.5"  
Min. Cover: 18"

YES! Is the HS180 right for your project? NO

Need a smaller footprint?

Need a larger footprint?

Need shallow depth?

YES!

YES!

YES!

HS75  
Height: 29.7"  
Min. Cover: 18"

HS75

Does the HS75 fit your footprint?

Does the HS75 fit your depth?

YES!

NO

YES!

NO



HS180

Height: 45.5"  
Min. Cover: 18"



HS290

Height: 59.5"  
Min. Cover: 24"



HS75

Height: 29.7"  
Min. Cover: 18"



HS31

Height: 15.9"  
Min. Cover: 18"



HS75

Height: 29.7"  
Min. Cover: 18"



HS31

Height: 15.9"  
Min. Cover: 18"

## Performance

- High performance polypropylene material
- Meets or exceeds ASTM F2418 product standard & ASTM F2787/CSA B184.2 design standard
- Meets AASHTO H20 live load & HL93 design load requirements
- Advanced injection molding technology for maximum structural performance

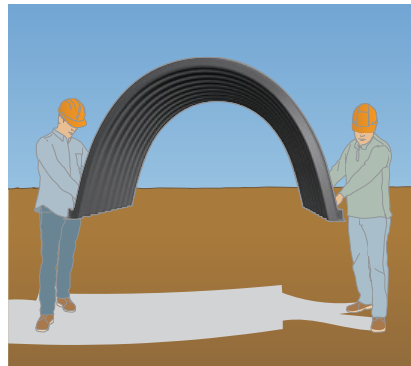
## System Design

- Maximum land utilization & minimal environmental impact
- Smaller footprint with lower installed cost than similar chambers
- Features integral connectors for simplified assembly
- Available as part of a complete solution with end caps, pipe manifolds & pretreatment options

## Handling



**INTEGRATED HANDLES**  
Integrated handles for safe on-site handling



**EASY TO HANDLE**  
Sturdy and lightweight for safe transport and placement by 2 people



**REINFORCED PALLET\***  
Specially designed pallet for trouble free handling. Maximum stacking density to reduce on-site staging footprint

Installation specifications:

		HS290	HS180	HS75	HS31
A	Backfill above chamber	300 mm (12")	300 mm (12")	150 mm (6")	150 mm (6")
B	Bedding	230 mm (9")	230 mm (9")	150 mm (6")	150 mm (6")
C	Chamber spacing	216 mm (8.5")	130 mm (5")	150 mm (6")	150 mm (6")
D	Chamber width	2554 mm (100.5")	1976 mm (77.8")	1295 mm (51")	838 mm (33")
E	Backfill at edge of system	300 mm (12")	300 mm (12")	300 mm (12")	300 mm (12")
F	Chamber height	1511 mm (59.5")	1156 mm (45.5")	754 mm (29.7")	406 mm (16")
G	Minimum cover	600 mm (24")	460 mm (18")	460 mm (18")	460 mm (18")
H	Maximum burial depth	2.44 m (8')	2.44 m (8')	2.44 m (8')	2.44 m (8')