



# Stormwater Storage Chambers

A retention and detention system proven to meet and exceed ASTM/CSA structural, design and product standards.





# 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.



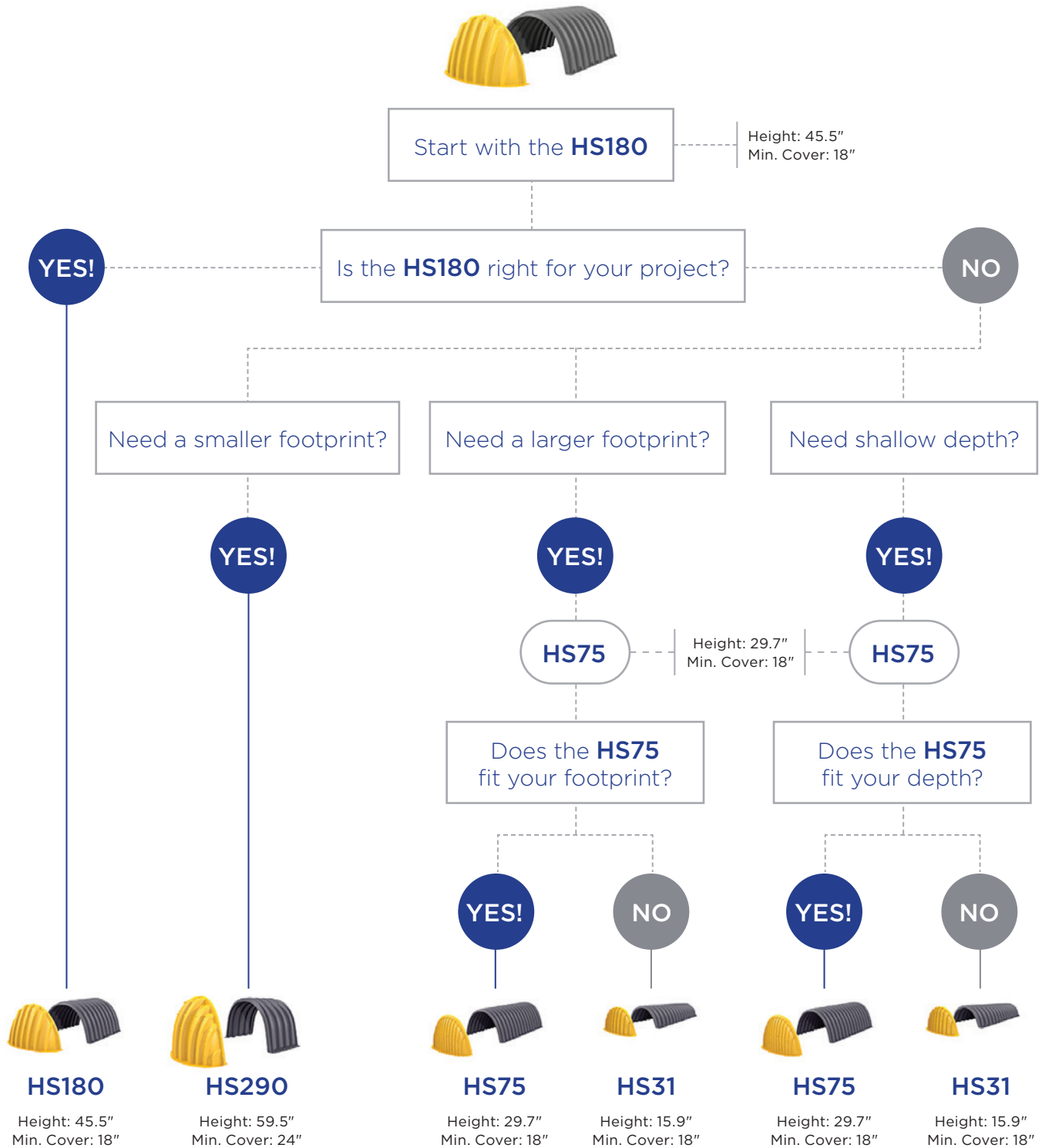
Available sizes:	HS290	HS180	HS75	HS31
<b>Storage Capacity*</b>	4.66 m <sup>3</sup> / 164.5 ft <sup>3</sup>	5.10 m <sup>3</sup> / 176 ft <sup>3</sup>	2.12 m <sup>3</sup> / 74.9 ft <sup>3</sup>	0.88 m <sup>3</sup> / 31.1 ft <sup>3</sup>
<b>Height</b>	1511 mm (59.5")	1156 mm (45.5")	754 mm (29.7")	406 mm (16")
<b>Width</b>	2544 mm (100.5")	1976 mm (77.8")	1295 mm (51")	838 mm (33")
<b>Unit Length</b>	1317 mm (51.8")	2253 mm (88.7")	2212 mm (87.1")	2230 mm (87.8")
<b>Installed Length</b>	1227 mm (48.3")	2167 mm (85.3")	2155 mm (84.9")	2169 mm (85.4")
<b>Weight</b>	57 kg (125 lbs)	58 kg (127 lbs)	32 kg (70 lbs)	15 kg (32 lbs)
<b>Chambers/Pallet</b>	10	19	33	45
<b>Material</b>	Polypropylene	Polypropylene	Polypropylene	Polypropylene
<b>Mfg. Process</b>	Injection Molding	Injection Molding	Injection Molding	Injection Molding
<b>Special Features</b>	Integrated Handles	Integrated Handles	Integrated Handles	Integrated Connectors
<b>ASTM/CSA Standard</b>	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.

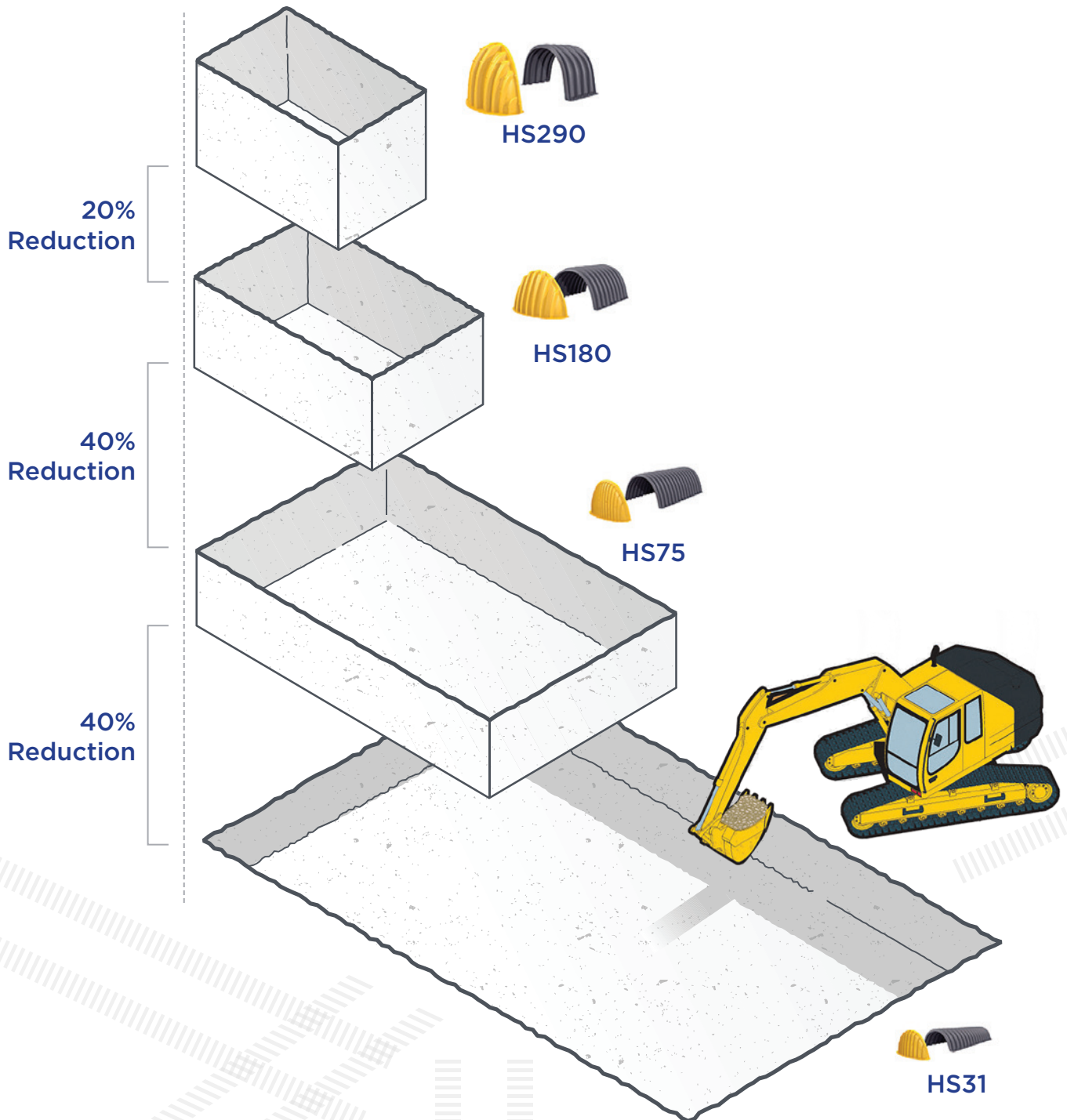
## Which Chamber is Right for Your Project

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.



## Footprint Comparison

Prinsco offers four chamber sizes to meet various project needs. Here you can see how dramatically the selection of the chamber size effects the footprint of a system with the same storage volume.





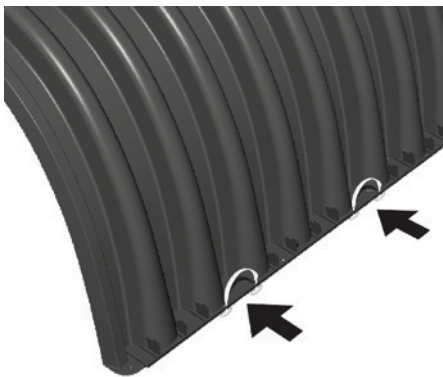
## Performance

- 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

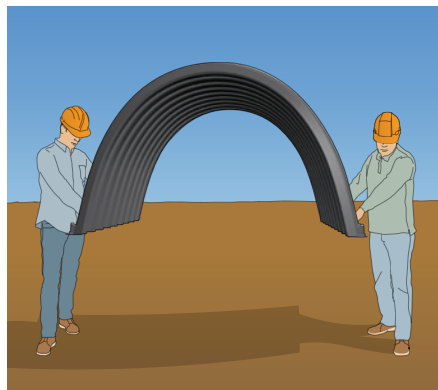
## System Design

- 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

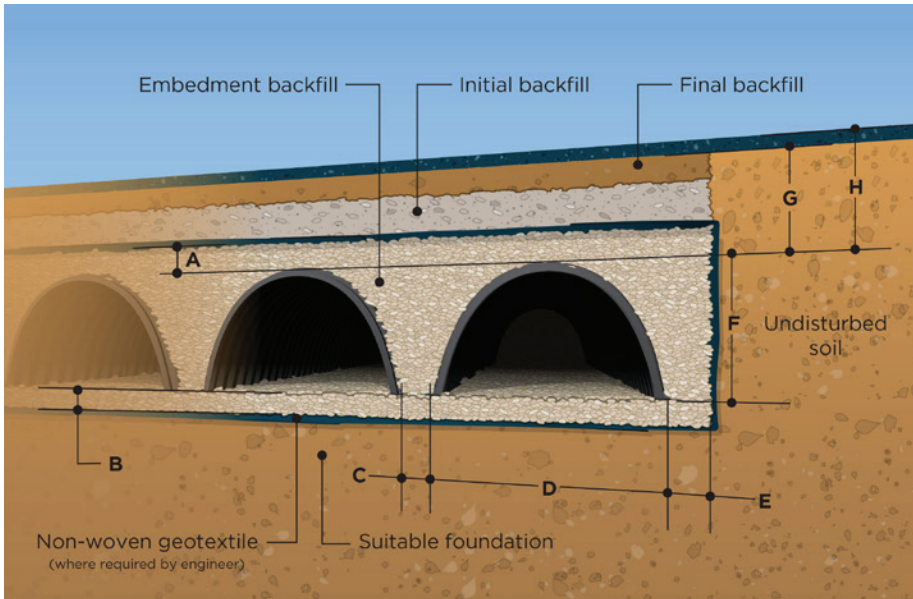


**EASY TO HANDLE**  
Sturdy and lightweight for safe transport and placement by 2 people



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

## Installation Specifications



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')

### ATLANTIC

Shediac, NB  
Sackville, NB  
Truro, NS  
Bishop's Falls, NL  
St. John's, NL

### CENTRAL

Cambridge, ON  
Comber, ON  
Forest, ON  
Guelph, ON  
Orangeville, ON  
Peterborough, ON  
Sudbury, ON  
Thunder Bay, ON  
Walkerton, ON  
Woodstock, ON  
St-Augustin, QC  
St-Clet, QC

### PRAIRIES

Calgary, AB  
Edmonton, AB  
Grande Prairie, AB  
Ponoka, AB  
Redwater, AB  
Winnipeg, MB  
Regina, SK  
Saskatoon, SK

### WESTERN

Dawson Creek, BC  
Genelle, BC  
Langley, BC  
Nanaimo, BC  
Prince George, BC



Contact us today to learn more about **HydroStor™ Stormwater Chamber Systems**.

Call **1-800-565-1152** or visit **armtec.com**

