



STORMWATER SOLUTIONS / STORAGE / CHAMBERS

HydroStor®

Prinsco offers four sizes of high-performance HydroStor® stormwater chambers designed for site-specific applications such as parking lots, roadways and commercial developments. HydroStor chambers provide an environmentally sustainable underground water management system that optimizes groundwater recharge and saves valuable land resources. Our four storm chamber models are designed to fit almost any type of performance specifications, project footprint and construction budget.

HS290



HS180



HS75



HS31



| | HS290 | HS180 | HS75 | HS31 |
|-----------------------------|--------------------------------|------------------------------|-------------------------------|-------------------------------|
| Installed Storage Capacity* | 164.5 ft ³ /chamber | 176 ft ³ /chamber | 74.9 ft ³ /chamber | 31.1 ft ³ /chamber |
| Height | 59.5" | 45.5" | 29.7" | 15.9" |
| Width | 100.5" | 77.8" | 51" | 33.9" |
| Unit Length | 51.8" | 88.7" | 87.1" | 87.8" |
| Installed Length | 48.3" | 85.3" | 84.9" | 85.4" |
| Weight | 125 lbs | 127 lbs | 70 lbs | 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 Handle | Integrated Handle | Integrated Handles | Low Profile Chamber |
| ASTM Standards | Meets or Exceeds | Meets or Exceeds | Meets or Exceeds | Meets or Exceeds |

* Assuming 40% void volume of backfill with 9" bedding & 12" cover for HS290 and HS180, and 6" bedding & 6" cover for HS75 and HS31

Performance

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

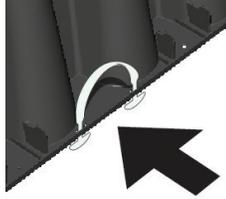
System Design

- Maximum land utilization & minimal environmental impact
- Design tool available at Prinsco.com/HydroStor-Resources
- Available as part of a complete solution with end caps, pipe manifolds & pretreatment options

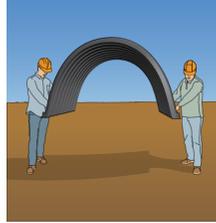
Handling

- Integrated Handles on HS290, HS180 & HS75 for safe on-site handling
- Sturdy and lightweight for safe transport and placement by 2 people
- Specially designed pallet for trouble free handling
- Maximum stacking density to reduce on-site staging footprint

Integrated Handles



Easy to Handle

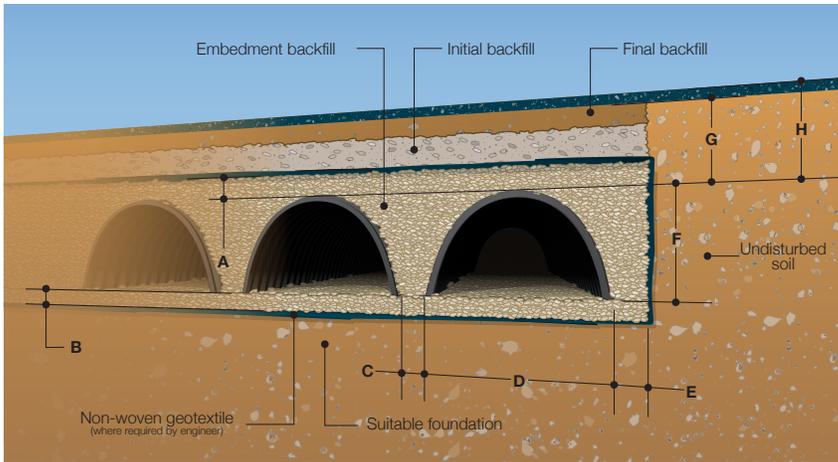


Reinforced Pallet*



* minimum 72" forks required on HS290, HS180 & HS75

Installation Specifications



| | HS290 | HS180 | HS75 | HS31 |
|---|--------|-------|-------|-------|
| A minimum backfill above chamber | 12" | 12" | 6" | 6" |
| B minimum bedding | 9" | 9" | 6" | 6" |
| C chamber spacing | 8.5" | 5" | 6" | 6" |
| D chamber width | 100.5" | 77.8" | 51" | 33.9" |
| E backfill at edge of system | 12" | 12" | 12" | 12" |
| F chamber height | 59.5" | 45.5" | 29.7" | 15.9" |
| G minimum cover | 24" | 18" | 18" | 18" |
| H maximum burial depth | 8' | 8' | 8' | 8' |

MOBILE RESOURCES



More about **HydroStor**®

- Installation Videos
- Installation Guides
- Specifications
- Technical Notes



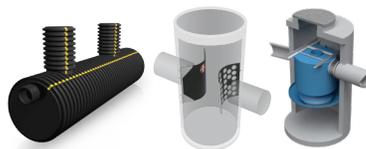
Prinsco.com/HydroStor-Resources

COLLECTION & CONVEYANCE



- GOLDFLO WT**®
AASHTO Dual-Wall Pipe
- ECOFLO 100**
Recycled Dual-Wall Pipe
- GOLDPRO STORM**®
Dual-Wall HP Polypropylene

TREATMENT



- STORMWATER QUALITY**
Engineered Water Treatment

STORAGE



- HYDROSTOR**®
Arched Chambers
- UNDERGROUND DETENTION**
Customized Pipe Systems