



STATE OF DELAWARE

**DEPARTMENT OF NATURAL RESOURCES AND  
ENVIRONMENTAL CONTROL**

DIVISION OF WATER

RICHARDSON & ROBBINS BUILDING

89 KINGS HIGHWAY

DOVER, DELAWARE 19901

Residential Services  
Section

Phone  
(302) 739-9947

November 20, 2025

Todd Harrell  
Regional Onsite Manager  
Prinsco Water Management Solutions  
153 River Hill Drive  
Advance, North Carolina 27006

RE: Prinsco Plastic Leaching Chamber - Request for Approval (RFA)

Dear Mr. Harrell,

The Division of Water has received your request for product approval for the following Prinsco Plastic Leaching Chambers:

- Pro4/36 Plastic Leaching Chamber
- Pro4/24 Plastic Leaching Chamber

DNREC is pleased to inform you that, after a review and approval by third-party vendor Davis, Bowen & Friedel Inc., these submittals meet the expectations of the State and are suitable for use in aggregate-free gravity disposal applications for onsite wastewater treatment and disposal systems contingent on all manufacturer's recommendations for installation being followed as well as any applicable conditions from the regulations. Additionally, Davis, Bowen & Friedel Inc. found that the products are suitable for up to a 25% reduction in the required disposal area for both trench and bed applications of the product.

Sincerely,

A handwritten signature in cursive script that reads "James Powell".

James Powell  
Program Manager I, Residential Services Section  
Division of Water

*Ring W. Lardner, P.E.  
W. Zachary Crouch, P.E.  
Michael E. Wheedleton, AIA, LEED GA  
Jason P. Loar, P.E.  
Jamie L. Sechler, P.E.*

November 7, 2025

State of Delaware  
Department of Natural Resources & Environmental Control  
Division of Water  
89 Kings Highway  
Dover, DE 19901

Attn: Mr. Matthew T. Grabowski  
Environmental Administrator

RE: Engineering & Technical Support  
Product Approval Review  
Manufacturer: Prinsco Water Management Solutions  
DBF #1945F001.B01

Dear Mr. Grabowski:

Davis, Bowen & Friedel, Inc., received submittals of products manufactured by Prinsco Water Management Solutions for review. The following items were included in this review:

- Pro4/36 Plastic Leaching Chamber
- Pro4/24 Plastic Leaching Chamber

We find that these submittals meet the expectations of the State and are suitable for use in aggregate-free gravity disposal applications for onsite wastewater treatment and disposal systems contingent on all manufacturer's recommendations for installation being followed as well as any applicable conditions from the regulations. Additionally, we find that the products are suitable for up to a 25% reduction in the required disposal area for both trench and bed applications of the product. Therefore, we recommend approval of the specified products.

Should you have any questions, comments, or would like to discuss this further please give me a call at your convenience.

Sincerely,  
DAVIS, BOWEN & FRIEDEL, INC.



Sharon K. Cruz, P.E., AICP  
Associate



February 7, 2024

Mr. James Powell

**Subject: Prinsco Pro4/36 and Pro4/24 Plastic Leaching Chamber Request for Approval**

Dear Mr. Powell,

Prinsco is pleased to submit for your consideration this Pro4/™ Onsite Chamber Request for Approval (RFA). We are requesting to be considered for compliance per state code 7 Delaware Code Chapter 60 of your regulations for a 25% reduction in drain field. This RFA will demonstrate Prinsco's Pro4/36 Onsite Chamber meets all the requirements for compliance.

#### **About Prinsco**

Prinsco is a third-generation, family-owned company committed to providing quality, water management solutions. We started in 1975 as a manufacturer of cement pipe, but quickly transitioned to HDPE plastic products to better serve the needs of our Midwestern agricultural market. Prinsco's flagship manufacturing facility, located in Prinsburg, Minnesota, is still in operation and remains a vital part of our growing 7-plant network throughout the United States.

Our Mission – Prinsco's mission statement is embraced company-wide, and simply reads. *“To care. To contribute. To solve.”* Every employee cares about their role in serving customers, contributes to better outcomes whenever possible and proactively solves problems along the way.

Our Values – Prinsco has been built on core values that have come to define who we are as a company. We encourage our Prinsco team members to live our mission and values each and every day. Prinsco is excited to bring our Mission, Vision and Values to the Onsite Wastewater market.

#### **Pro4/24 Specification Criteria & Product Sheet– Exhibits A&B**

#### **Pro4/36 Specification Criteria & Product Sheet – Exhibits C&D**

The Prinsco Pro4 Onsite Chambers were designed with the latest structural and design technology available today. Onsite chambers must be capable of withstanding loads during the installation process and over the life of the system. Prinsco Pro4 Onsite Chambers are designed and manufactured to meet AASHTO H-10 (16,000 lbs. per axel) standards with 12" of compacted fill. Our testing confirms that our innovative, asymmetrical arch design delivers greater structural performance through, Part design, Materials, and Installation.

Please feel free to call or email any questions you may have at my contact below.

Regards,

Todd Harrell, Regional Onsite Manager  
Cell: 336-341-1007  
todd.harrell@prinsco.com

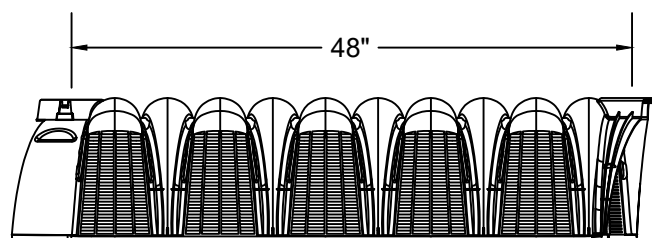
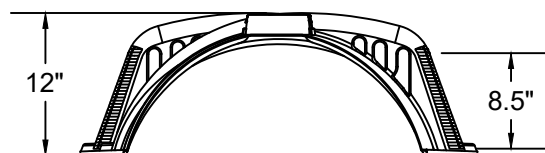
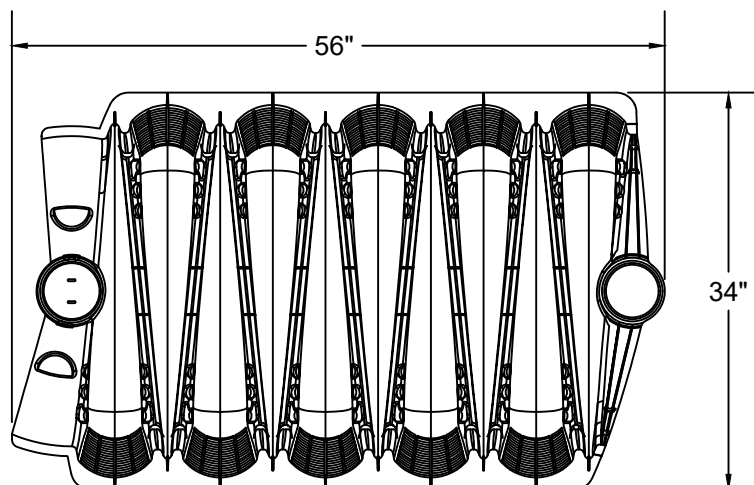


# PRO 4<sup>TM</sup>/36

onsite chambers by Prinsco

## Pro4 36 Specifications

Chamber Size (L x W x H)	56" x 34" x 12" (1422 x 864 x 305 mm)
Effective Length	48" (1219 mm)
Chamber Storage	51 gal (193 L)
Sidewall Height	8.5" (216 mm)
Open Bottom Area	9.8 ft <sup>2</sup> (0.9 m <sup>2</sup> )
Weight	14.5 lbs (6.6 kg)



## CHAMBER LOADING

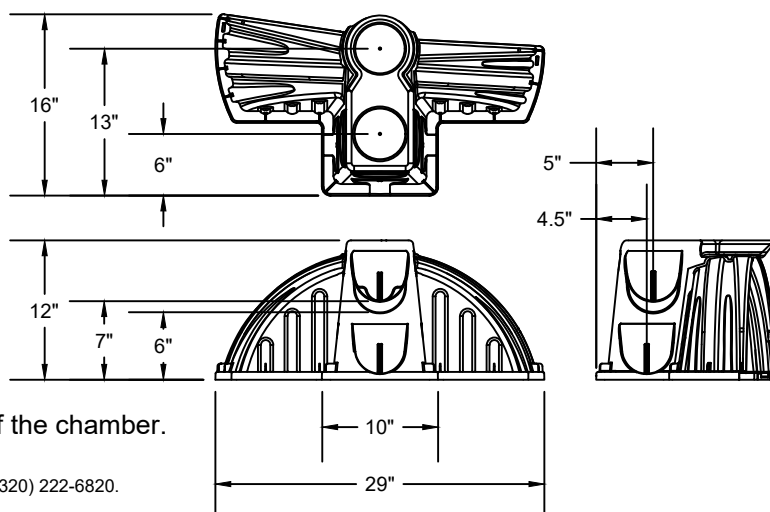
Pro4 36 chambers meet H-10 loading requirements which support axle loads up to 16,000 lbs when installed with 12" minimum cover over the chamber. See the Pro4 Installation guides for more information.

## CHAMBER COUPLING

Pro4 36 chamber coupling supports a pivot of 10 degree left or right. Each coupler has a locking mechanism and the capability to support a 4" inspection port. The direction of installation is located on top of the chamber.

## Pro4 36 End Cap Specifications

End Cap Size (L x W x H)	16" x 29" x 12" (406 x 737 x 305 mm)
Effective Length	13" (330 mm)
Invert Elevations	0.5", 6", 7", 12"
End Cap Storage	7 gal (27 L)
Weight	2.6 lbs (1.2 kg)



Pro4 36 End Cap can be installed at either end of the chamber.

Prinsco's Pro4 Limited Warranty is available at [www.Prinsco.com](http://www.Prinsco.com) or call (320) 222-6820.

For questions and technical support: Please contact Prinsco Technical Services at (320) 222-6820 or visit us at [www.Prinsco.com](http://www.Prinsco.com).

THIS DETAIL DEPICTS RECOMMENDED INSTALLATION PRACTICES AND IS NOT INTENDED TO SUPERSEDE ANY NATIONAL, STATE OR LOCAL SPECIFICATIONS. PRINSCO BEARS NO RESPONSIBILITY FOR ANY ALTERATIONS, REVISION AND/OR DEVIATION FROM THIS STANDARD DETAIL. PRINSCO HAS NOT PERFORMED ANY ENGINEERING OR DESIGN SERVICE FOR THIS PROJECT. THE DESIGN ENGINEER SHALL REVIEW THESE DETAILS PRIOR TO CONSTRUCTION TO VERIFY SUITABILITY. © PRINSCO, INC.



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[www.prinsco.com](http://www.prinsco.com)

TITLE: PRO4 36 - SPECIFICATION		
DRAWN BY: ZJJ	DATE: 02-Dec-21	DRAWING NUMBER: ----
SCALE: NTS	SHEET: 1 OF 1	

## ONSITE WASTEWATER / CHAMBERS

# PRO 4<sup>TM</sup>/36

onsite chambers by Prinsco

Pro4/36 Chambers are a highly efficient, gravelless drainfield solutions for residential and commercial septic systems. They were specifically designed for professional contractors who are looking for cost efficiency, delivery convenience, ease of installation, and application flexibility while maximizing drainfield infiltration area.

Pro4's unique, asymmetrical arches provide maximum structural performance to meet the demands of today's drainfield installations. Their interlocking coupler allows for 10° of joint articulation in either direction for contoured trench or bed applications.



## Specifications

### Pro4/36 Chamber

Trench Width	36"
Height	12"
Width	34"
Effective Length	48"
Weight	14.5 lbs
Invert Height	0.5", 6", 7", 12"
Louver Height	8.5"
Open Bottom Area	9.8 ft <sup>2</sup>
Storage Capacity	51 gal
Load Rating*	H-10

### Pro4/36 Endcap

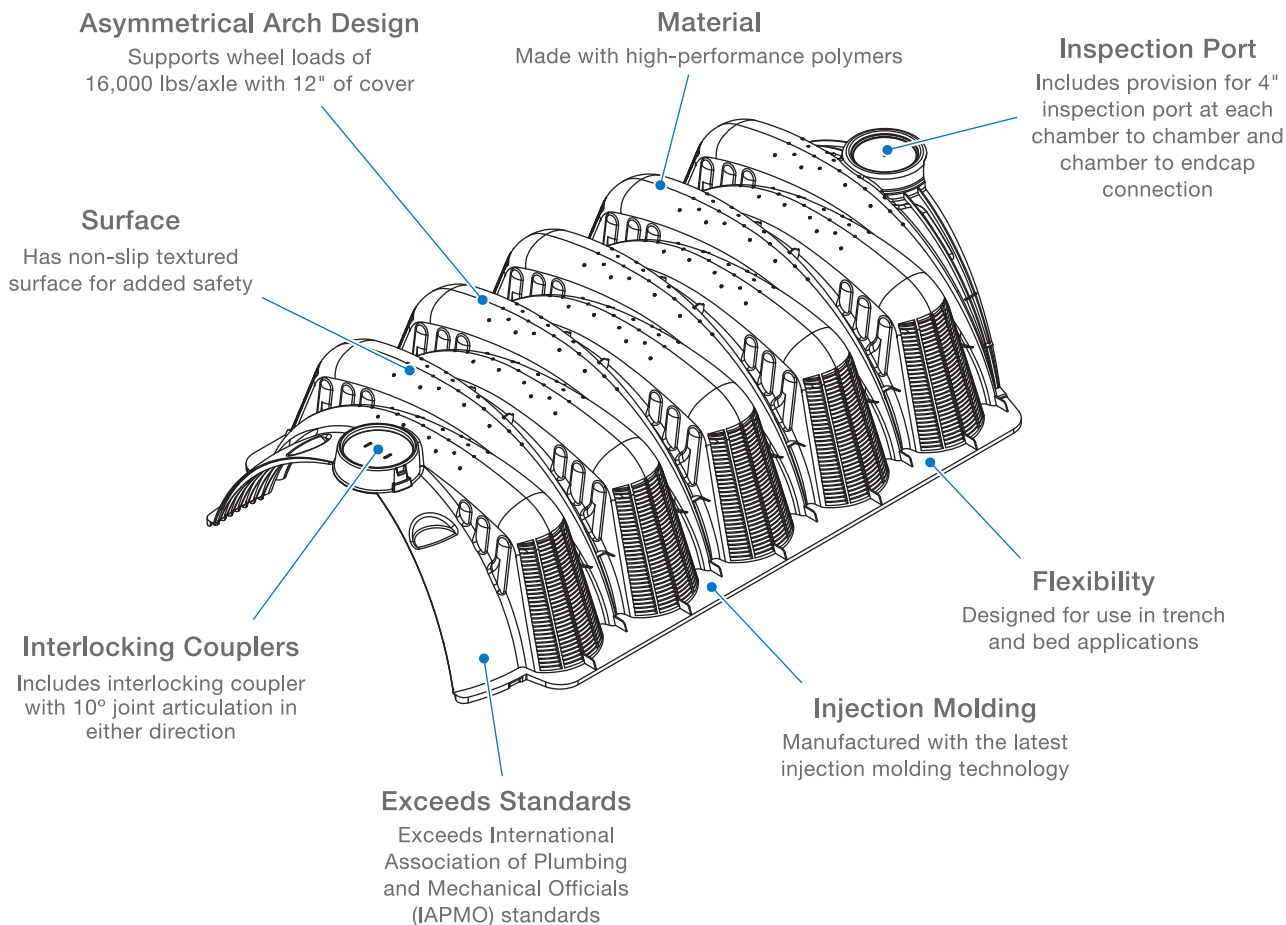
Length	16"
Width	29"
Height	12"
Effective Length	13"
Invert Elevations	0.5", 6", 7", 12"
Endcap Storage	7 gal
Weight	2.6 lbs

\*See installation instructions for backfill and cover requirements.

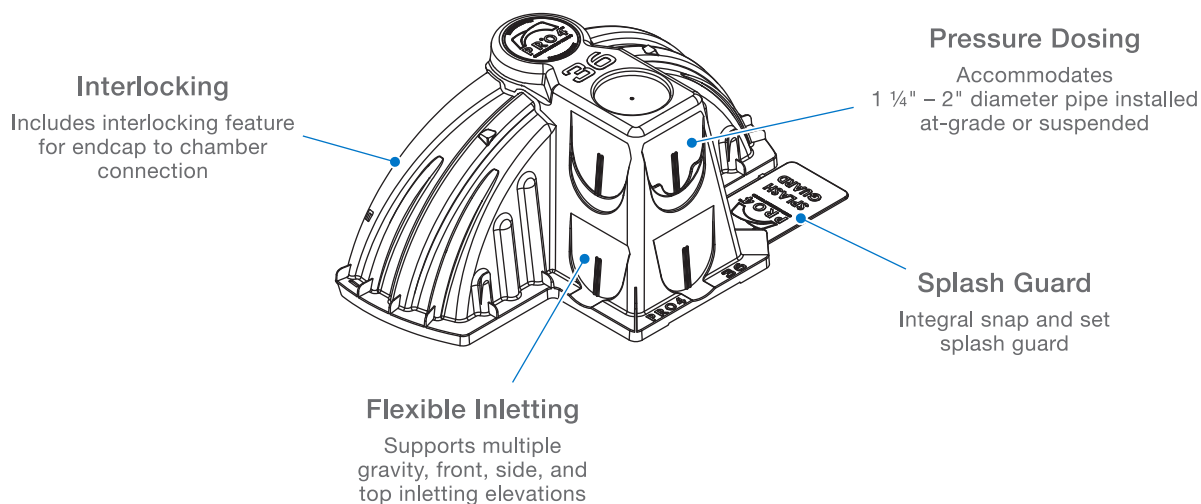
## Prinsco Proud

Pro4 onsite chambers are manufactured by Prinsco, a family-owned company that's been in the water management industry for over 45 years. Our products serve the needs of water management contractors and their customers in major markets such as agriculture, stormwater, residential, and now, onsite. Prinsco has a values-driven culture that makes us a leader in customer service and strong relationships, something that sets us apart from the competition in every market we serve.

## Performance



## Versatility





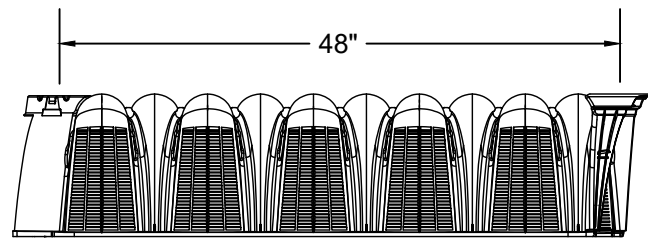
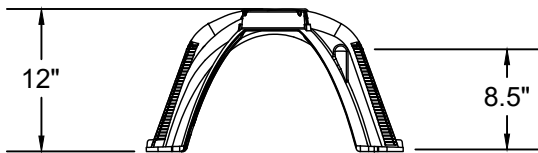
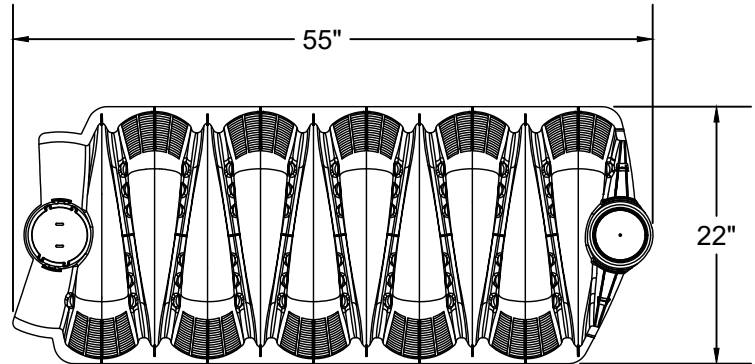


# PRO 4<sup>TM</sup>/24

onsite chambers by Prinsco

## Pro4/24 Specifications

Chamber Size (L x W x H)	55" x 22" x 12" (1397 x 559 x 305 mm)
Effective Length	48" (1219 mm)
Chamber Storage	32 gal (122 L)
Sidewall Height	8.5" (216 mm)
Open Bottom Area	6.4 ft <sup>2</sup> (0.6 m <sup>2</sup> )
Weight	11 lbs (5 kg)



### CHAMBER LOADING

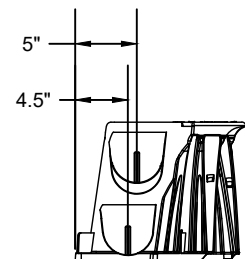
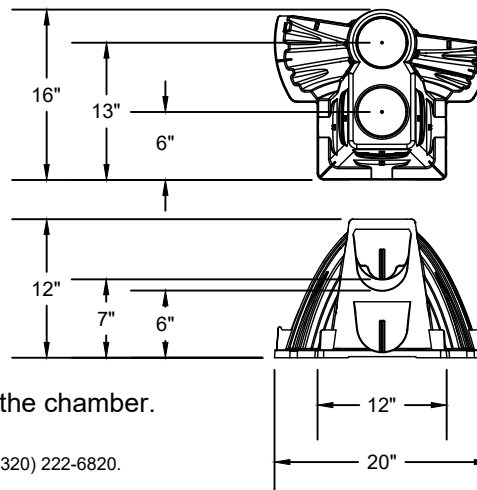
Pro4/24 chambers meet H-10 loading requirements which support axle loads up to 16,000 lbs when installed with 12" minimum cover over the chamber. See the Pro4 Installation guides for more information.

### CHAMBER COUPLING

Pro4/24 chamber coupling supports a pivot of 10 degree left or right. Each coupler has a locking mechanism and the capability to support a 4" inspection port. The direction of installation is located on top of the chamber.

## Pro4/24 Endcap Specifications

Endcap Size (L x W x H)	16" x 20" x 12" (406 x 508 x 305 mm)
Effective Length	13" (330 mm)
Invert Elevations	0.5", 6", 7", 12"
Endcap Storage	4.5 gal (17 L)
Weight	2.7 lbs (1.2 kg)



Pro4/24 Endcap can be installed at either end of the chamber.

Prinsco's Pro4 Limited Warranty is available at [www.Prinsco.com](http://www.Prinsco.com) or call (320) 222-6820.

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TITLE: PRO4/24 - SPECIFICATION DETAIL			
DRAWN BY: ZJJ	DATE: 23-Sep-22	DRAWING NUMBER: TN-5-012	
SCALE: NTS	SHEET: 1 OF 1		

## ONSITE WASTEWATER / CHAMBERS

# PRO 4™/24

onsite chambers by Prinsco

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Pro4's unique, asymmetrical arches provide maximum structural performance to meet the demands of today's drainfield installations. Their interlocking coupler allows for 10° of joint articulation in either direction for contoured trench or bed applications.



## Specifications

### Pro4/24 Chamber

Trench Width	24"
Height	12"
Width	22"
Effective Length	48"
Weight	11 lbs
Invert Height	0.5", 6", 7", 12"
Louver Height	8.5"
Open Bottom Area	6.4 ft <sup>2</sup>
Storage Capacity	32 gal
Load Rating*	H-10

### Pro4/24 Endcap

Length	16"
Width	20"
Height	12"
Effective Length	13"
Invert Elevations	0.5", 6", 7", 12"
Endcap Storage	4.5 gal
Weight	2.7 lbs

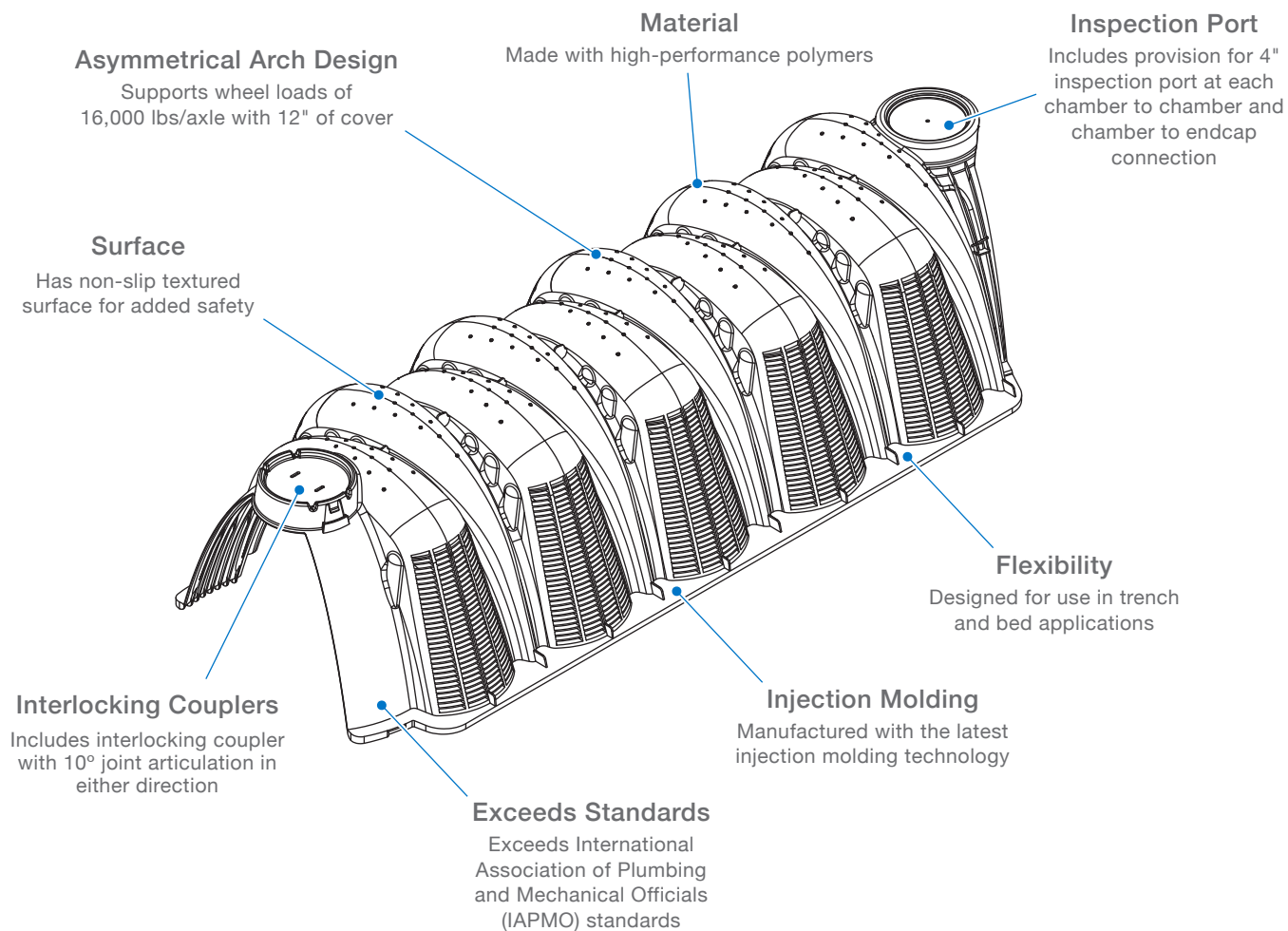
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## Performance



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