# **Crenco** Technical Data Sheet

# Prelos<sup>™</sup> 1500 Gravity Processor

## **Applications**

Orenco's Prelos 1500 Gravity Processors provide complete, integrated storage, filtration, and discharge of wastewater for on-lot portions of Prelos Sewer<sup>™</sup> systems and other pressurized, liquid-only sewers or dispersal systems where gravity discharge is possible.

## General

Prelos Processors<sup>™</sup> are the core of the Prelos Sewer system: an innovative technology based on 40 years of proven sewer solutions.

The Prelos 1500 Gravity Processor's tank\* stores and passively treats solid waste, while the PSC-series Biotube® effluent filter separates solids from liquid effluent before the effluent flows by gravity to a liquid-only sewer line. The standard 30in (750mm) diameter access riser and optional additional 24in (600mm) diameter access riser provide easy access to the tank interior, and the filter's passively self-cleaning design extends maintenance cycle intervals.

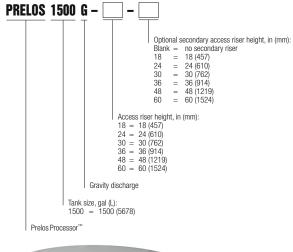
All Prelos Processors install as a unit, to reduce errors. And their components are easy to access and service.

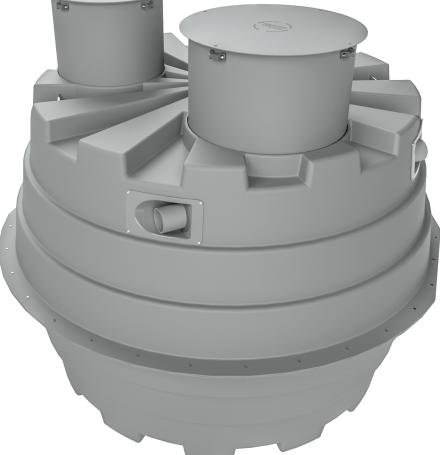
\* Tank covered under United States Patent #10,392,281.

### **Selected Models**

PRELOS1500G-18, PRELOS1500G-24, PRELOS1500G-36, PRELOS1500G-24-24, PRELOS1500G-36-36

# Product Code Diagram

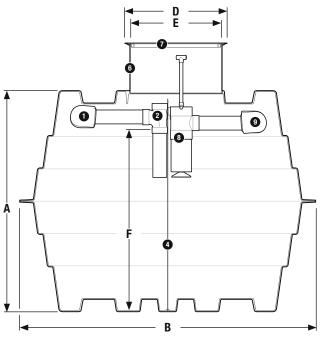




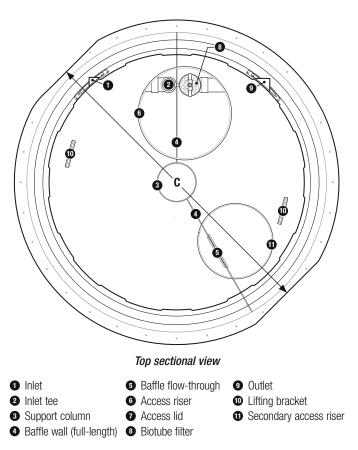
Prelos 1500 Gravity Processors offer complete, integrated storage and filtration of wastewater in a simple, effective package.



#### **Technical Data Sheet**



Side sectional view



#### Tank, Riser, and Lid

The Prelos 1500 Processor's meander-style tank has a patented design for superior performance. It's tough, impact-resistant, and light enough to install with small equipment. The 30in (750mm) diameter primary access riser, optional 24in (600mm) diameter secondary riser, and access lids are designed to provide strong, secure access to components.

#### Materials of Construction

Access lid	Fiberglass, structural foam
Access lid hardware	Stainless steel
Access riser	Fiberglass
Baffle wall	ABS
Inlet and inlet tee	Fiberglass, ABS
Outlet	Fiberglass, ABS
Support column	PVC, ABS
Tank body	DCPD
Dimensions	
A. Tank height, in (mm)	72 (1829)
B. Tank outside diameter, in (mm)	105 (2667)
C. Tank width, flat-to-flat, in (mm)	101 (2565)
D. Lid outside diameter, in (mm)	33 (838)
E. Standard riser inside diameter, in (mm)	29.5 (749)
F. Depth, nominal operating volume, in (mm)	57 (1448)
Optional secondary riser lid outside diameter, in (mm)	24 (610)
Optional secondary riser inside diameter, in (mm)	23.5 (597)
Tank nominal operating volume, gal (L)	1500 (5678)
Tank total volume, gal (L)	1788 (6768)
Average volume at operating depth, gal/in (L/mm)	25 (4)
Prelos Processor weight, nom, lbs (kg)	660-770 (300-350)

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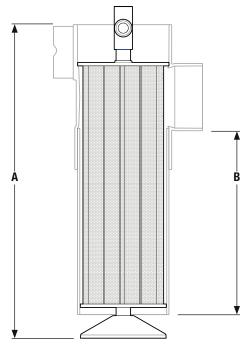
#### **PSC-Series Biotube Effluent Filter**

The PSC-series Biotube effluent filter used in the Prelos 1500 Gravity Processor is designed for effective filtration of solids from liquid effluent, before the effluent is transported to a liquid-only sewer, other collection system, or dispersal. The passively self-cleaning design extends maintenance cycle intervals.

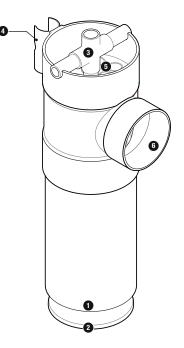
#### Materials of Construction

Housing	PVC, ABS
Filter tubes	Polypropylene
Handle assembly	Sch. 40 PVC
Screws	Stainless steel
Dimensions	in (mm)
A. Overall height	22.7 (577)
B. Height to invert	13.5 (343)
Performance	
Biotube mesh opening, in (mm)*	0.125 (3)
Total filter flow area, ft <sup>2</sup> (m <sup>2</sup> )	1.9 (0.18)
Total filter surface area, ft² (m²)	6.3 (0.59)

\*0.062in (1.6mm) filter mesh available



Side cutaway view, PSC-series filter cartridge



#### Isometric view, PSC-series effluent filter

Float switch bracket (optional)

- Filter inlet end
  Deflector plate
- 2 Deflector plate3 Handle
- 6 Biotube filter cartridge6 Filter outlet