

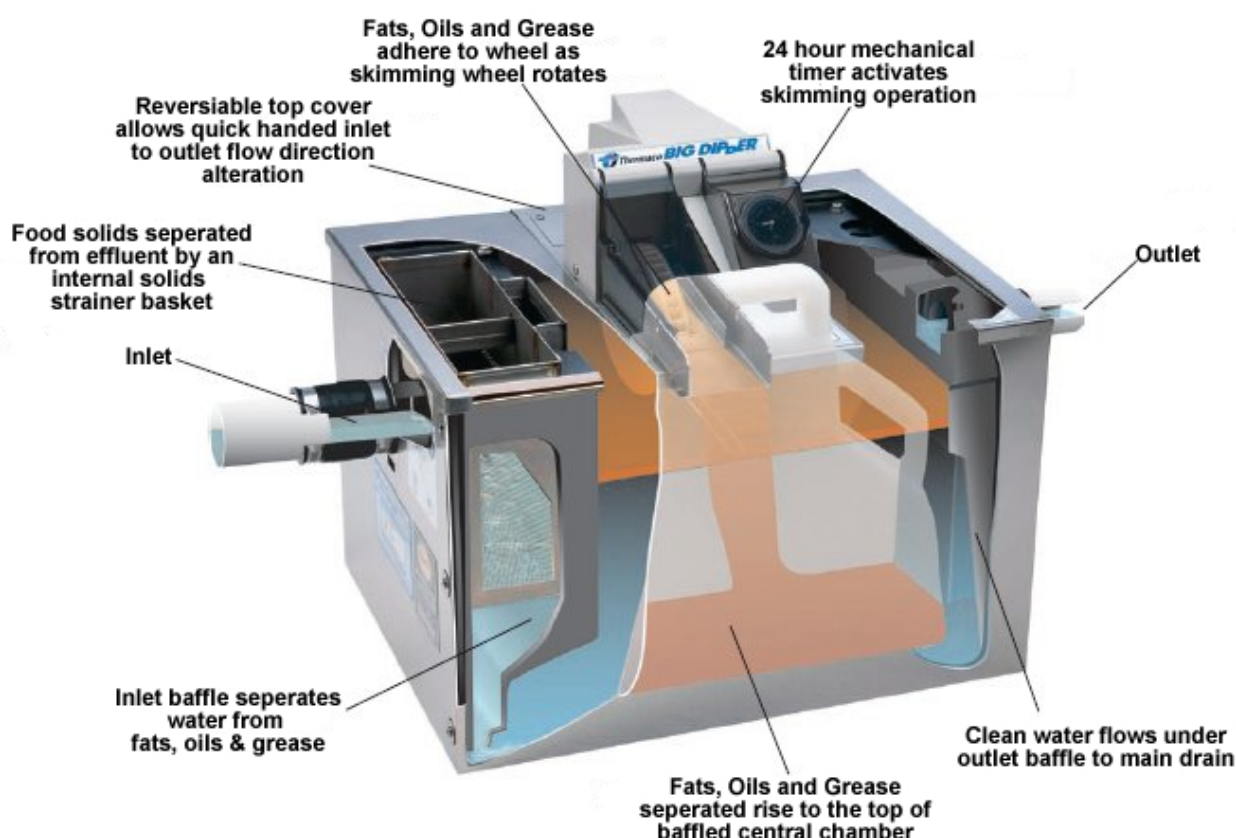
Big Dipper Grease Traps

MAG: Specialised Plumbing Products



Products

Big Dipper® W-200-IS Dimensions.....	6
Big Dipper® W-250-IS Dimensions.....	8
Big Dipper® W-350-IS Dimensions.....	10
Big Dipper® W-500-IS Dimensions.....	12
Big Dipper® W-750-IS Dimensions.....	14
Big Dipper® W-1000-IS Dimensions.....	16



Product code: Big Dipper Product Range

Common Specifications & Features for Big Dipper® Grease Removal Systems

Big Dipper® IS Point Source Automatic Grease

- Fully automatic self-cleaning cycle: Actively removes grease and oils from the tank without operator assistance.
- Digital Control user interface: Simplifies operation and comes with a Grease Collector for easy disposal.
- Corrosion-resistant materials: Designed for long-term durability and installation in various environments.
- Stainless Steel exterior: Provides a sleek, durable finish.
- Integrated Motor/Grease Outlet/Heater/Lid: Allows for fast, user-friendly operation reversal.
- Advanced Odour Protection: Patent-pending design locks in odours from grease and solids.
- Compact footprint: Suitable for space-constrained installations.
- Two No-Hub Connectors included: Facilitates easy connection.
- 3-year warranty: Offers peace of mind with reliable coverage.
- WSAA approved: Compliant with water industry standards.
- Low maintenance: Reduces operational burden.

Big Dipper Range

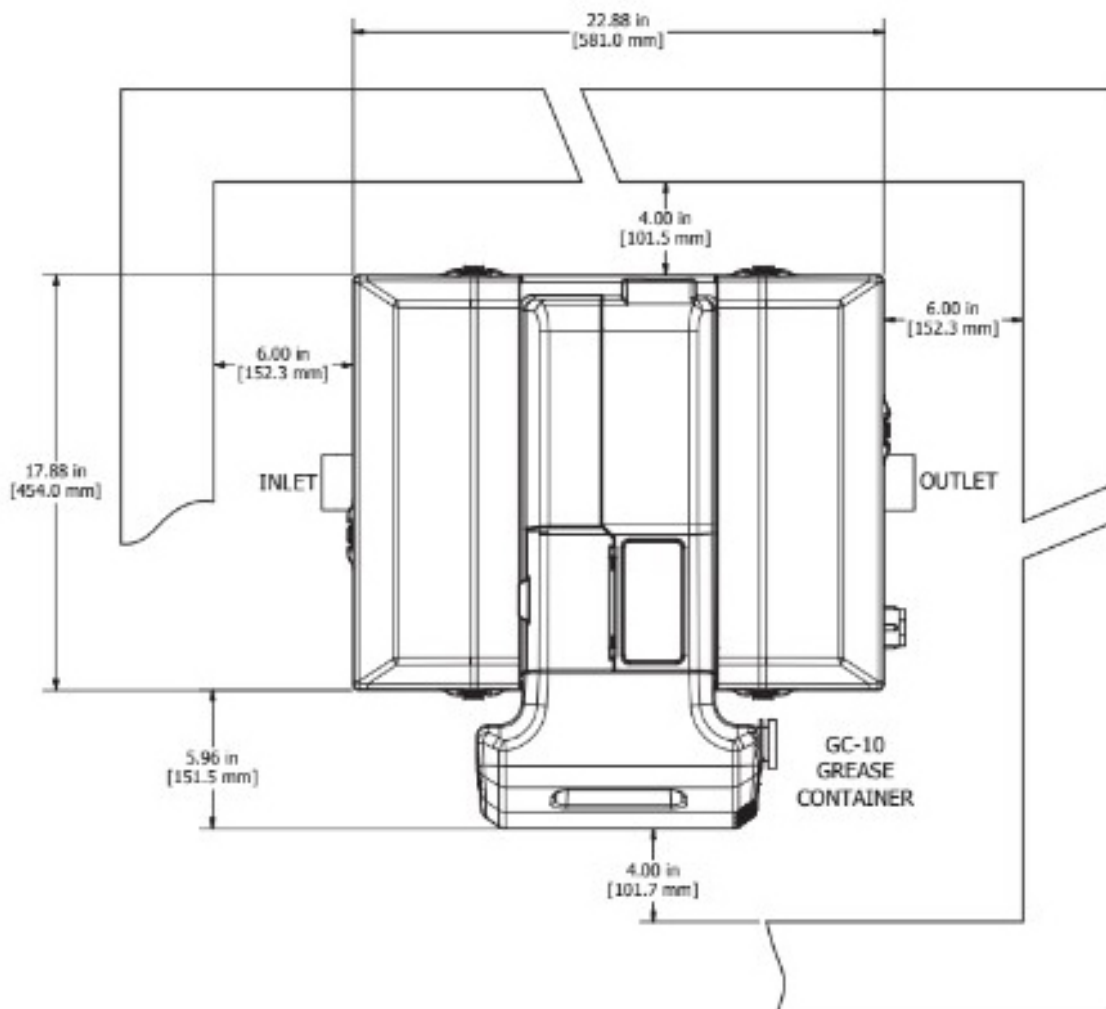
	Big Dipper® IS 200	Big Dipper® IS 250	Big Dipper® IS 350	Big Dipper® IS 500	Big Dipper® IS 750	Big Dipper® IS 1000
Flow Rating Litres/Second	1.3	1.6	2.2	3.2	4.7	6.3
Grease Retention Capacity kg	21.2	25.4	38.3	48.8	76	93.4
Internal Solids Strainer Capacity Litres	7	7	9.5	9.5	14	14
Inlet/Outlet mm	50	50	75	75	100	100
No. of Skim- ming Wheels	1	1	1	1	1	2
Skimming Rate Kg/Hour	4.08	4.08	4.08	4.08	4.08	8.61
Litres	2000	3000	4000	5000		
Meals/Day	1-199	200-399	400-799	800-1000	1000+	1500+

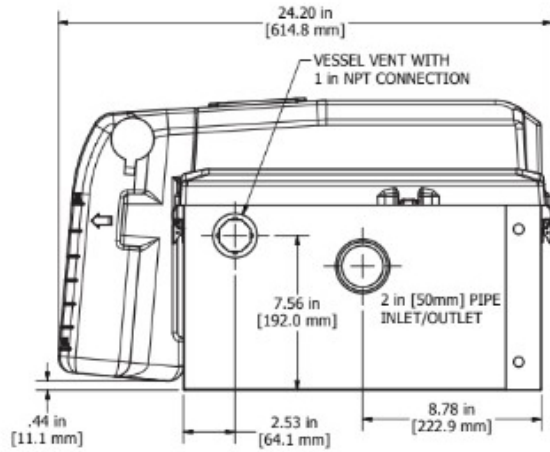
Product code: Big Dipper W200-IS

Big Dipper® W-200-IS Dimensions

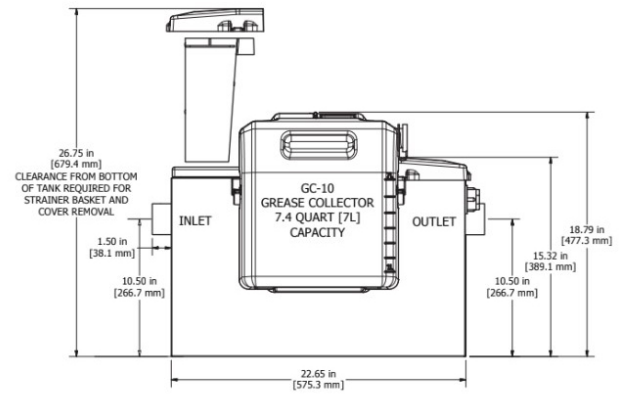
Unique Features

- Flow Rating: 1.3 Litres per second.
- Grease Retention Capacity: 21.2 Kg.
- Internal Solids Strainer Capacity: 7 Litres.
- Inlet/Outlet: 50 mm.

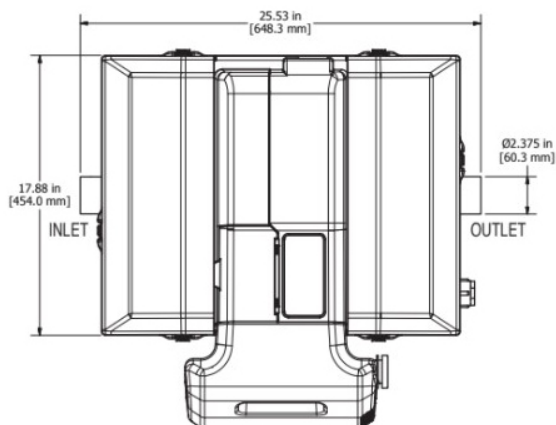




End View



Side View



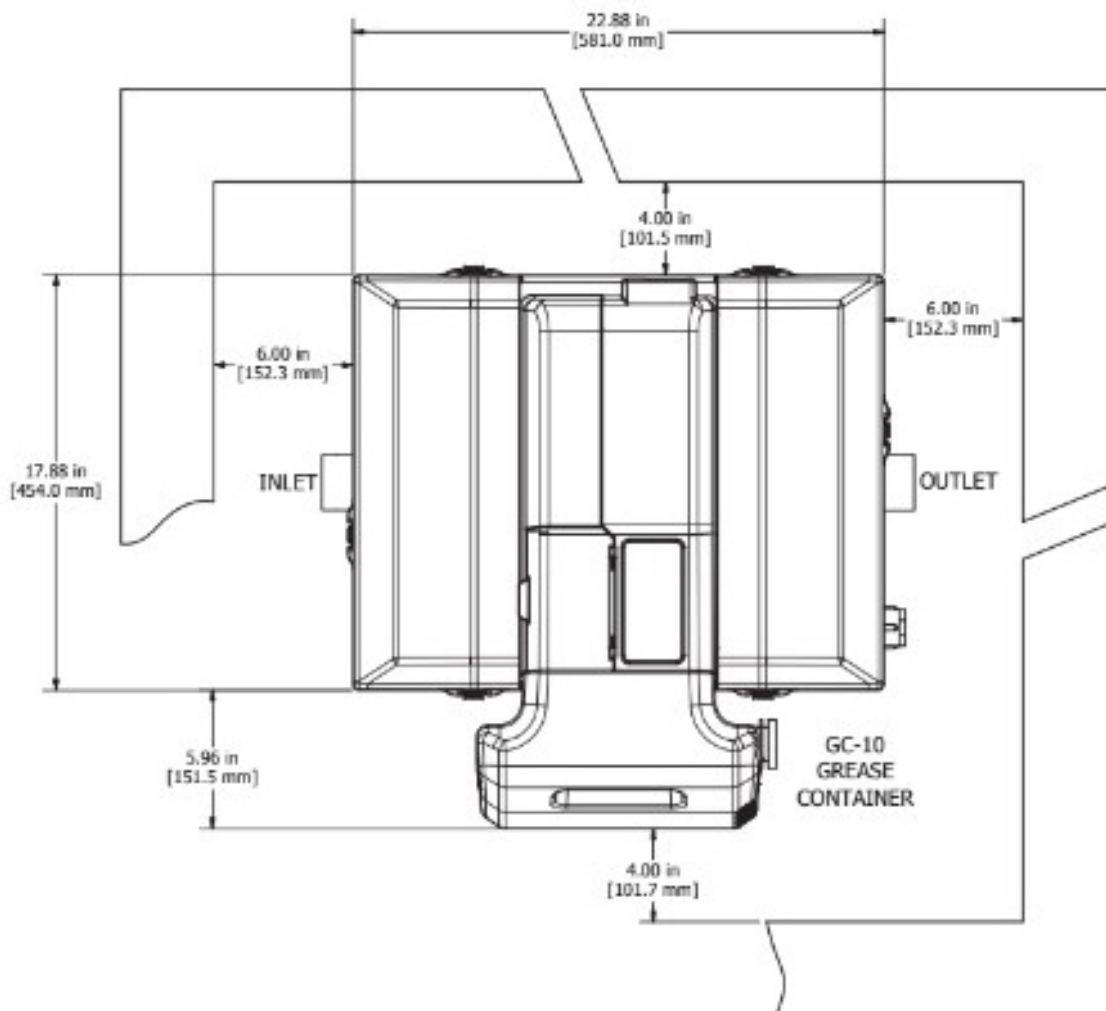
Top View

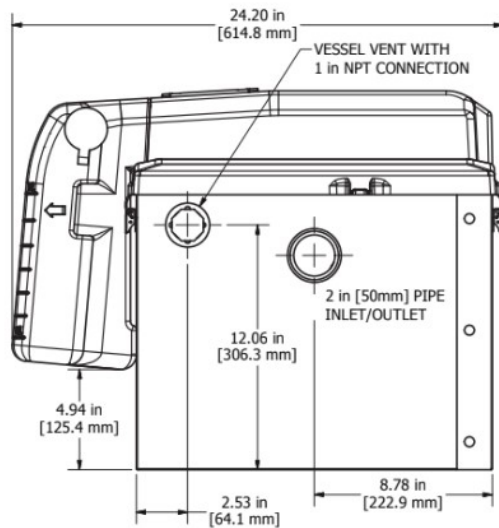
Product code: Big Dipper W250-IS

Big Dipper® W-250-IS Dimensions

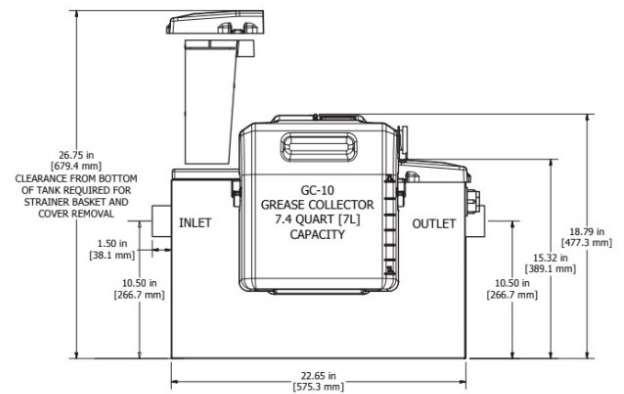
Unique Features

- Flow Rating: 1.6 Litres per second.
- Grease Retention Capacity: 25.4 Kg.
- Internal Solids Strainer Capacity: 7 Litres.
- Inlet/Outlet: 50 mm.

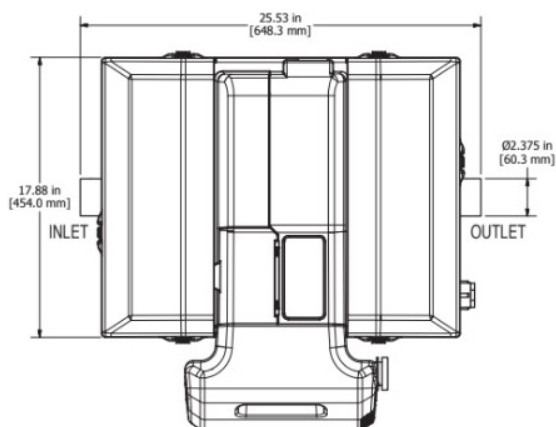




End View



Side View



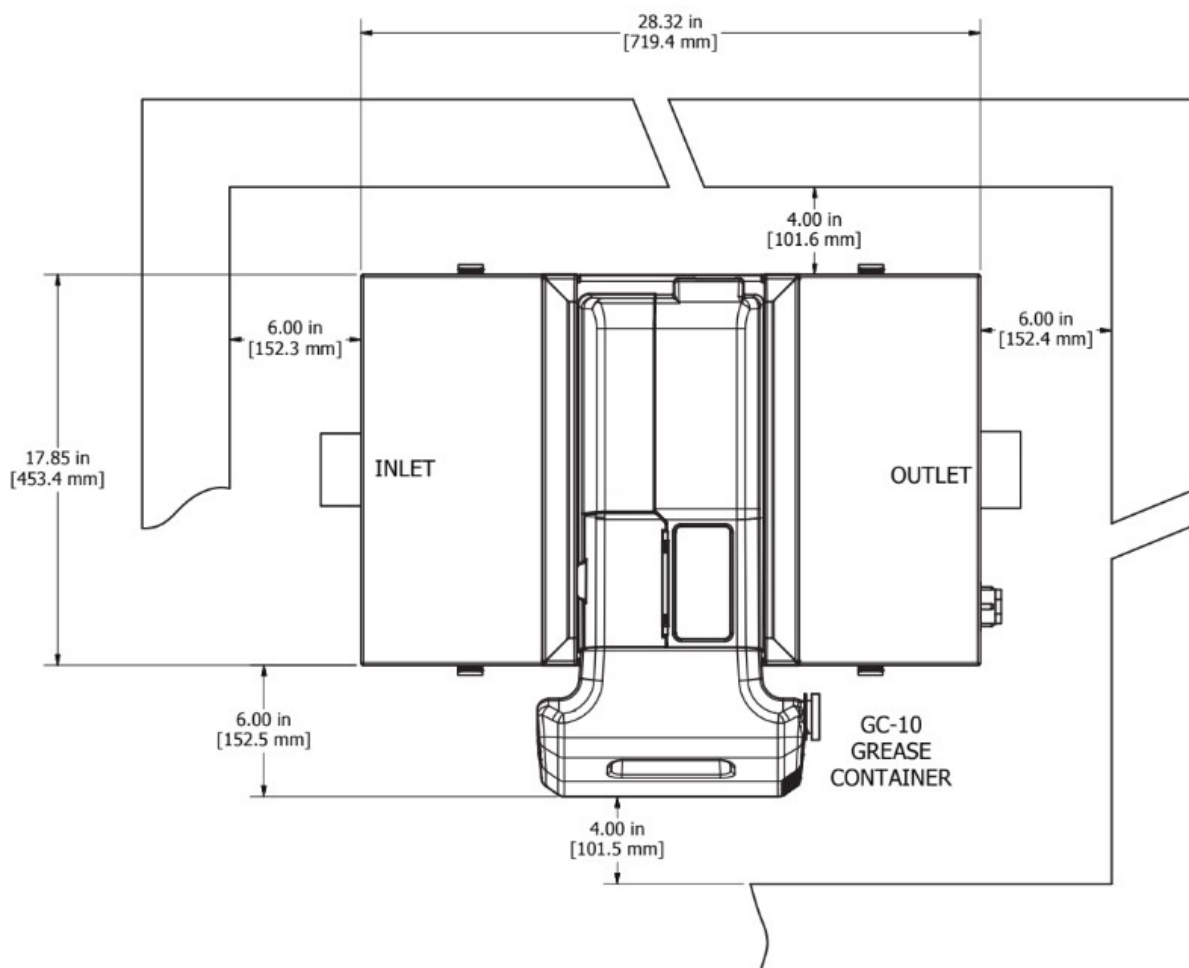
Top View

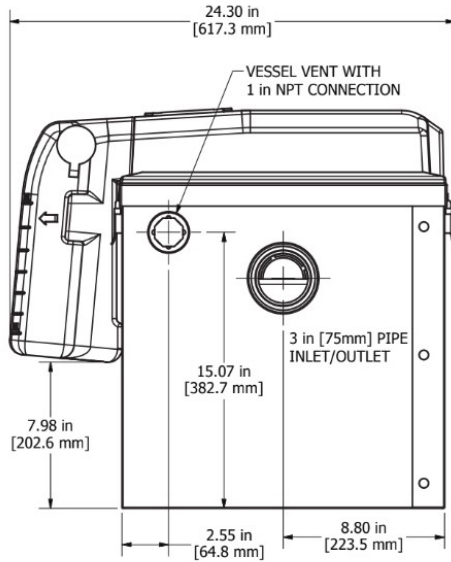
Product code: Big Dipper W350-IS

Big Dipper® W-350-IS Dimensions

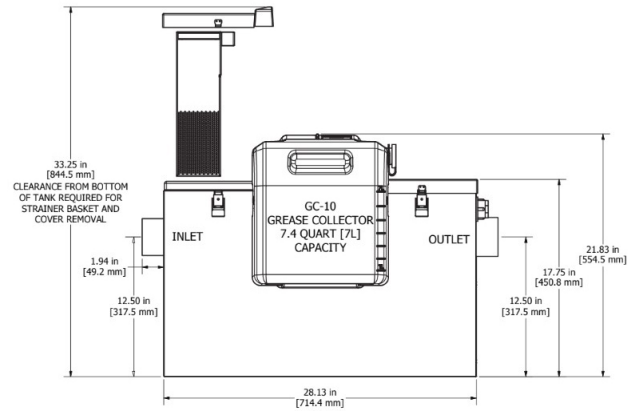
Unique Features

- Flow Rating: 2.2 Litres per second.
- Grease Retention Capacity: 38.3 Kg.
- Internal Solids Strainer Capacity: 9.5 Litres.
- Inlet/Outlet: 75 mm.

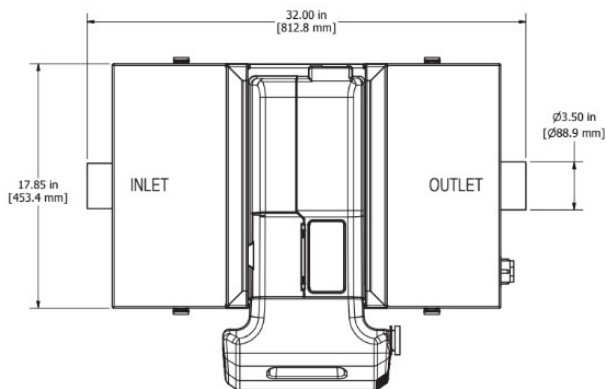




End View



Side View



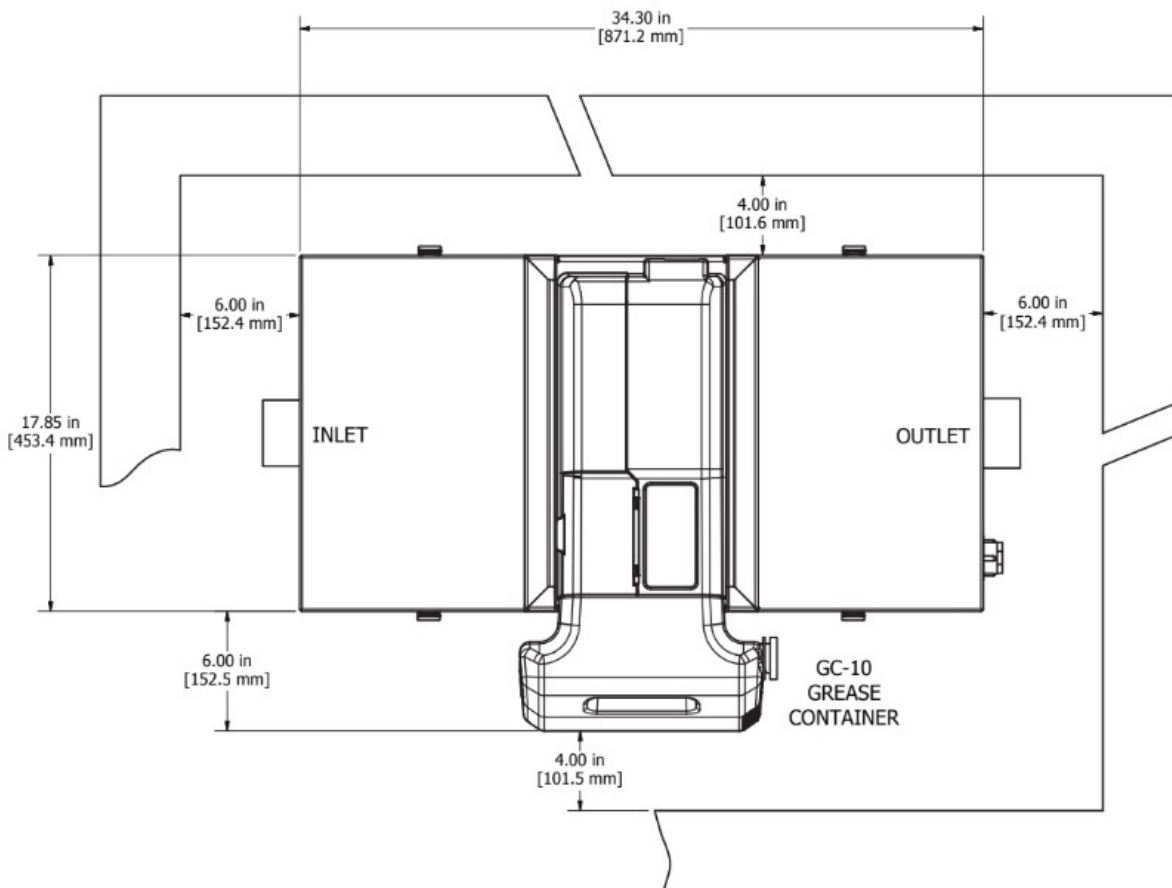
Top View

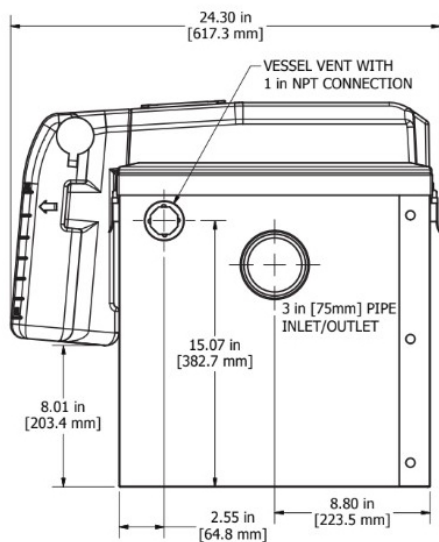
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Big Dipper® W-500-IS Dimensions

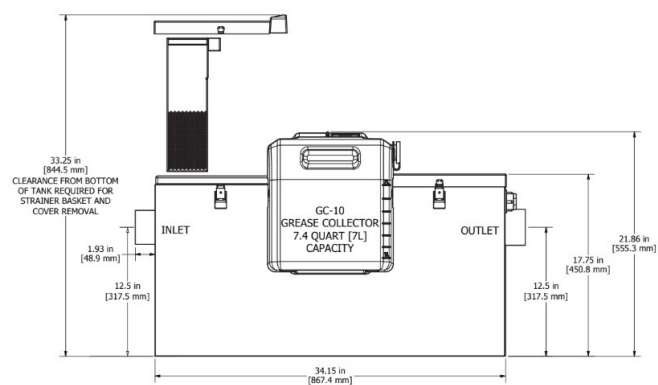
Unique Features

- Flow Rating: 3.2 Litres per second.
- Grease Retention Capacity: 48.8 Kg.
- Internal Solids Strainer Capacity: 9.5 Litres.
- Inlet/Outlet: 75 mm.

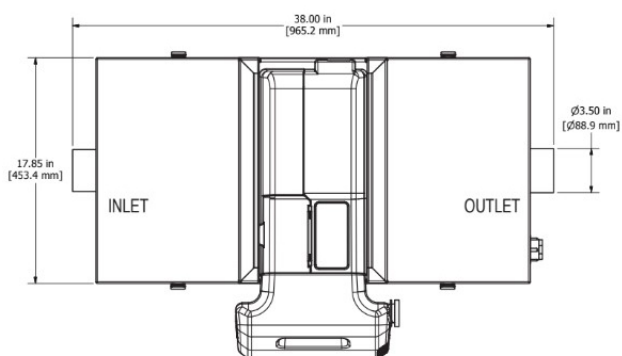




End View



Side View



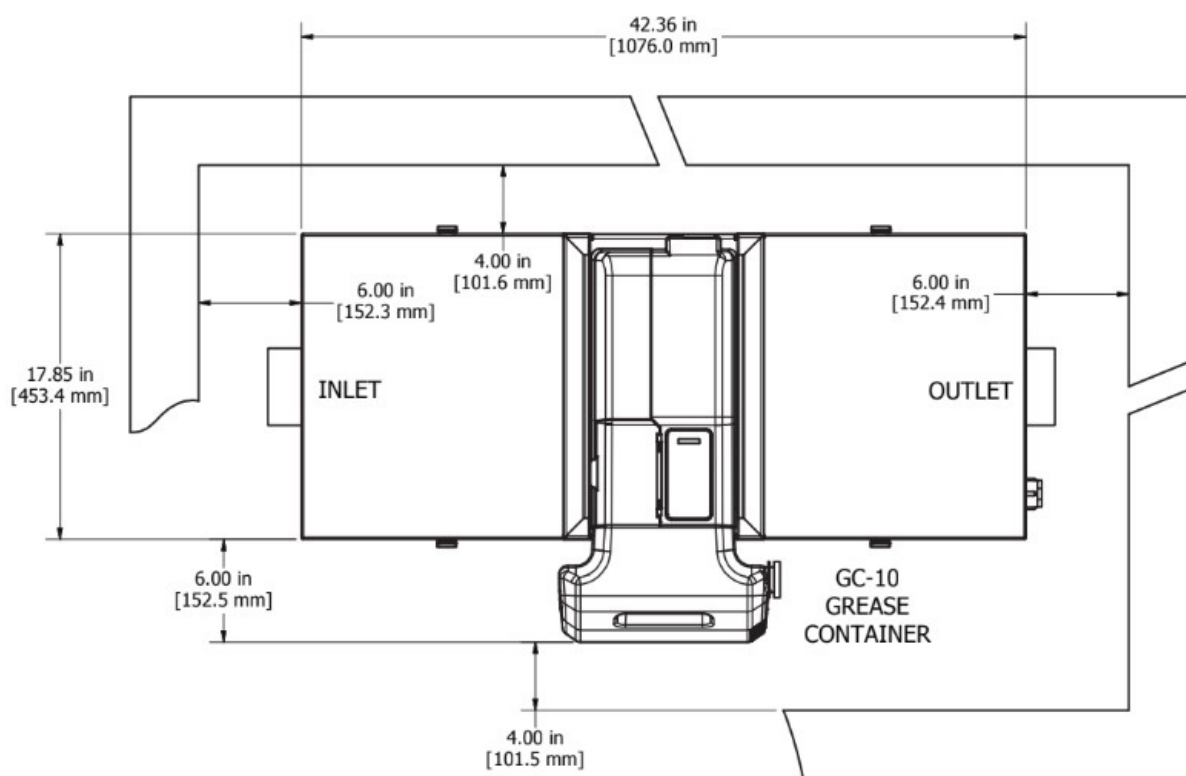
Top View

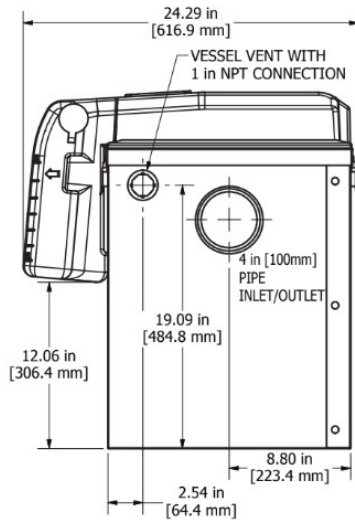
Product code: Big Dipper W750-IS

Big Dipper® W-750-IS Dimensions

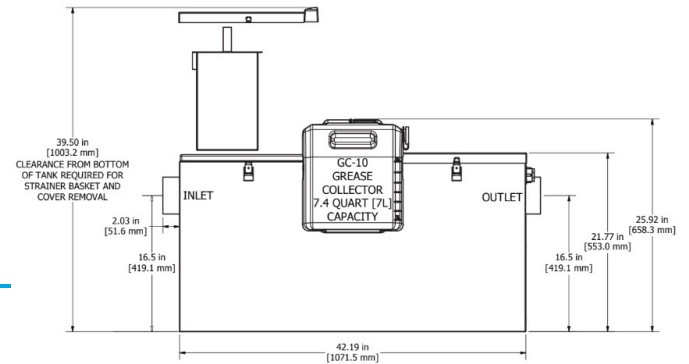
Unique Features

- Flow Rating: 4.7 Litres per second.
- Grease Retention Capacity: 76 Kg.
- Internal Solids Strainer Capacity: 14 Litres.
- Inlet/Outlet: 100 mm.

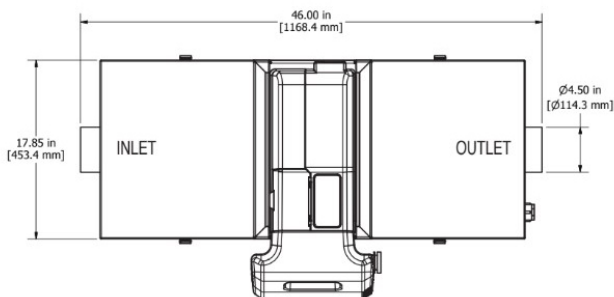




End View



Side View



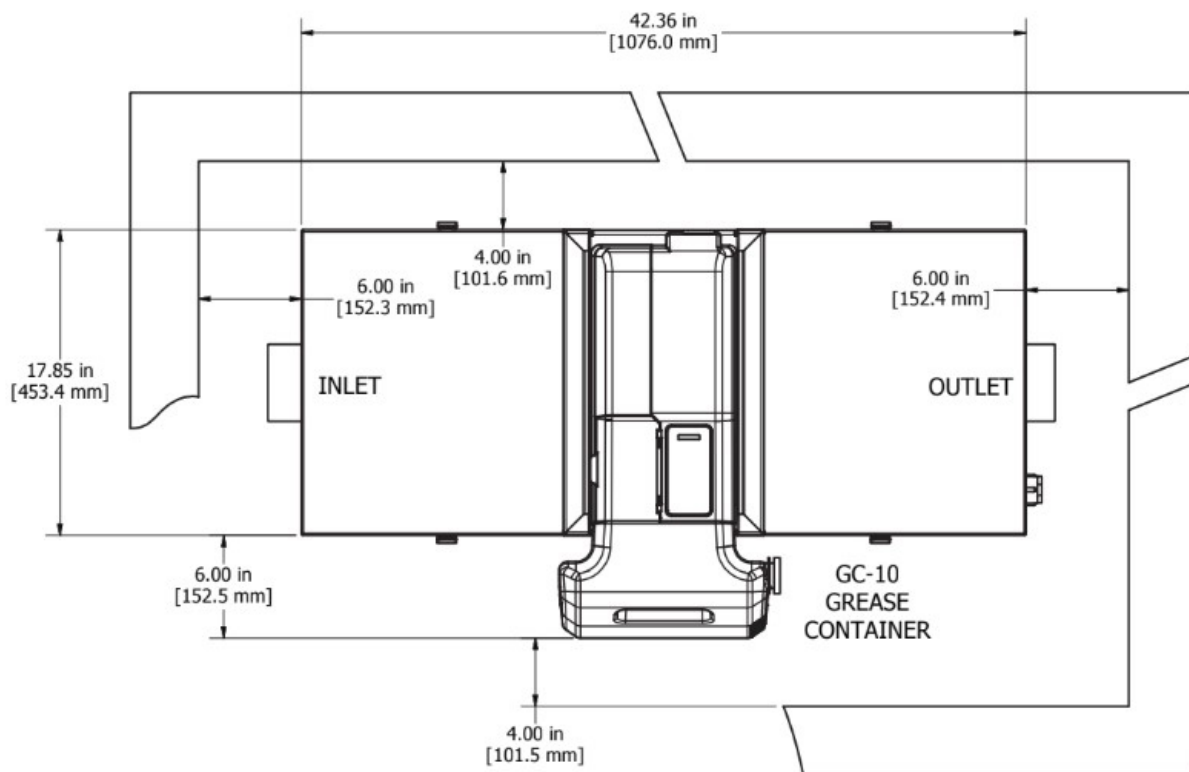
Top View

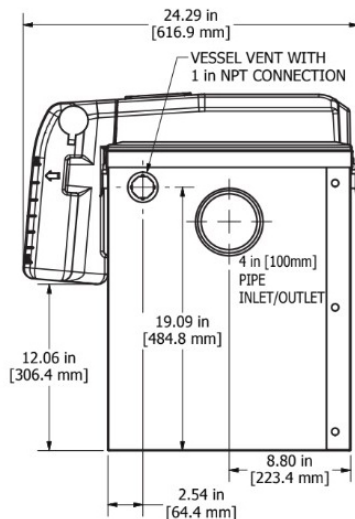
Product code: Big Dipper W1000

Big Dipper® W-1000-IS Dimensions

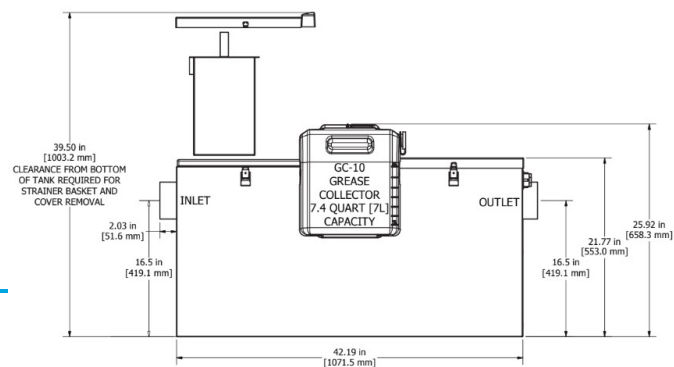
Unique Features

- Flow Rating: 4.7 Litres per second.
- Grease Retention Capacity: 76 Kg.
- Internal Solids Strainer Capacity: 14 Litres.
- Inlet/Outlet: 100 mm.

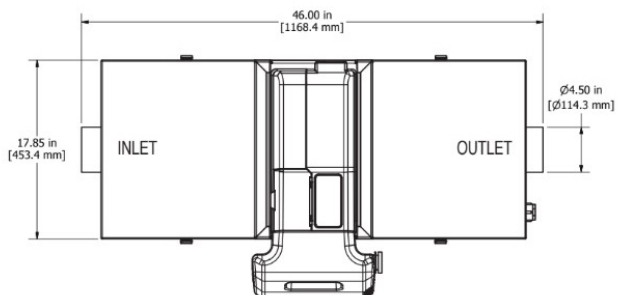




End View



Side View



Top View

Product code: Big Dipper Product Range

Big Dipper® IS Point Source Automatic Grease

- Exterior: Stainless Steel with Bright Finish Injection Molded Polymer.
- Interior: Rotationally Molded Polyethylene.
- Electrical: 240 Volts.
- No. of Skimming Wheels: 1 (except the 1000 model which has 2).
- Skimming Rate: 4.08 Kg Per Hour (except the 1000 model which has 8.16 Kg Per Hour).
- Internal Solids Strainer Capacity: Ranges from 7 to 14 Litres.
- Inlet/Outlet: Varies from 50 mm to 100 mm based on the model.

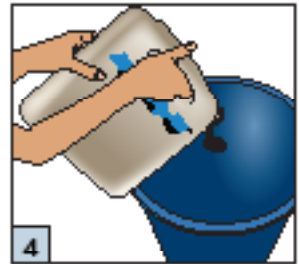
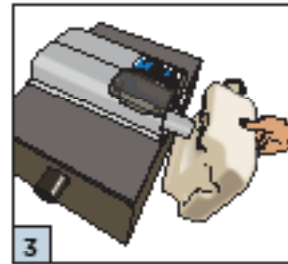
Including as an integral part of the unit: Removal

- Inlet/Outlet Sizes: Varies per model (50 mm, 75 mm, 100 mm).
- Rotating Gear Skimming Wheel Assembly: 1 rotating gear oleophilic/hydrophobic skimming wheel (except for Product 1000, which has 2 wheels).
- Flow Control Device: Included in all models for proper grease/oil management.
- Self-Regulating Electric Immersion Heater: With thermostatic control to maintain optimal grease separation temperature.
- 25mm Vessel Vent: Standard across all models.
- Integral Gas Trap: Prevents the escape of unpleasant odours.
- Digital Control for Programmable Operation: Allows customization and automation of the unit's cleaning cycles.
- Field Reversible Motor Assembly & Grease/Oil Sump Outlet: Facilitates easy adaptation during installation.
- Quick Release Stainless Steel Lid Clamps: For fast and secure access to the unit's internal components.
- Fully Removable Polymer Lid with Magnetic Tensioners: Provides easy access for cleaning and maintenance.
- Internal Polymer/Stainless Steel Strainer Basket: Captures coarse solids to prevent clogging.
- Polymer Wiper Blade Unit: Ensures effective cleaning of the skimming wheel.
- Separate Gasketed Grease/Oil Collection Container: Comes with a carry handle and pouring spout for convenient disposal of captured grease and oils.

Common Installation Notes

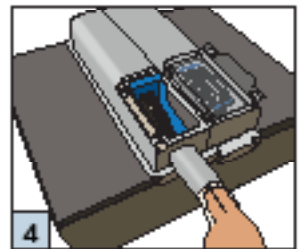
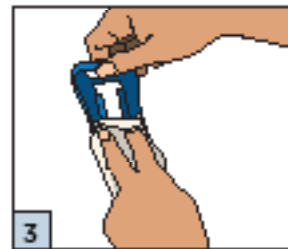
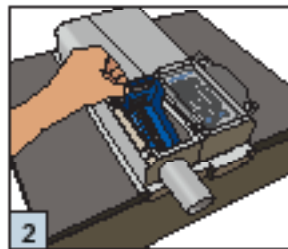
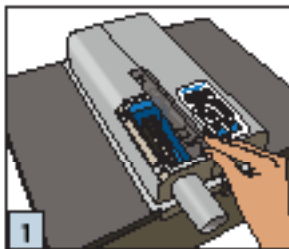
- Read the instruction manual included with the system before installing or operating.
- Ensure minimum clearances as specified for each model, allowing space for removing the strainer (varies by model, e.g., 290mm, 394mm, or 451mm).
- Use rubber "No Hub" connectors for all piping connections.
- Keep outlet piping straight and use only „sweep“ connections to ensure smooth flow.
- Install a vent on the outlet piping to avoid backflow or pressure buildup.
- Fill the tank with water before powering the motor and heater to prevent damage.
- Do not install a "P" Trap on the outlet connection, as the unit already has an internal gas trap.
- Do not reduce the pipe size on the outlet piping to maintain proper flow.
- Do not pressure test the unit. Installation must comply with all local regulations, plumbing codes, and should be performed by a qualified plumbing contractor.

Daily Maintenance



1 & 2 - Remove solids strainer basket and empty into trash. Spray down solids strainer basket.
3 & 4 - Empty collected grease into recycling barrel or dispose in trash.

Weekly Maintenance



1 - Open Wiper Assembly Cover.
2 & 3 - Remove and clean blue wiper assembly.
4 - Replace wiper assembly. Clean grease outlet trough.

Quarterly/Semi-Annual Maintenance



1 - Vacuum out contents of tank, making sure to remove fine sediment at bottom. Wipe off heater assembly.

Pro Tip: Fill the tank up with water before powering the electrical assembly. Failure to do so could be harmful to internal components.