SPILL PREVENTION

RainDrain Set-Up Instructions

RAINDRAIN OVERVIEW

RainDrain is a high performance filtration unit for the elimination of hydrocarbon contamination from water streams and rainwater collected in berms and other secondary containment spaces. The proprietary design and filtration media of the RainDrain enables maximum filtration flow rate while providing highest capacity and longer operation life of the filter.

The flexible sight glass, combined with the rugged design of the filter, allows for convenient and stable positioning of the filter for various locations and conditions. The robust filtration media inside the filter is engineered to fully capture a wide range of hydrocarbons such as transformer oil, jet fuel, diesel and gasoline.

RainDrain treated water has been extensively tested by certified labs and meets environmental regulations for Total Petroleum Hydrocarbon (TPHs) and Oil and Grease set by EPA National Pollutant Discharge Elimination System (NPDES), Code of Federal Regulations (CFR 40), and Canadian Council of Ministers of Environment (CCME).

Flip this sheet over to see the set-up diagram and follow steps 1-3 for proper installation.

SPECIFICATIONS

PART #	DESCRIPTION	SIZE		WEIGHT	
		IN	CM	LB	KG
014654	RainDrain Filter Kit (Commercial)	36 (L) x 6 (ID)	92 (L) x 15.2 (ID)	23	10.5
014416	RainDrain Replacement Filter (Commercial)	36 (L) x 6 (ID)	92 (L) x 15.2 (ID)	19	8.5
002224	RainDrain Filter Kit (Military)	36 (L) x 6 (ID)	92 (L) x 15.2 (ID)	39	17.7
002231	RainDrain Replacement Filter (Military)	36 (L) x 6 (ID)	92 (L) x 15.2 (ID)	19	8.5

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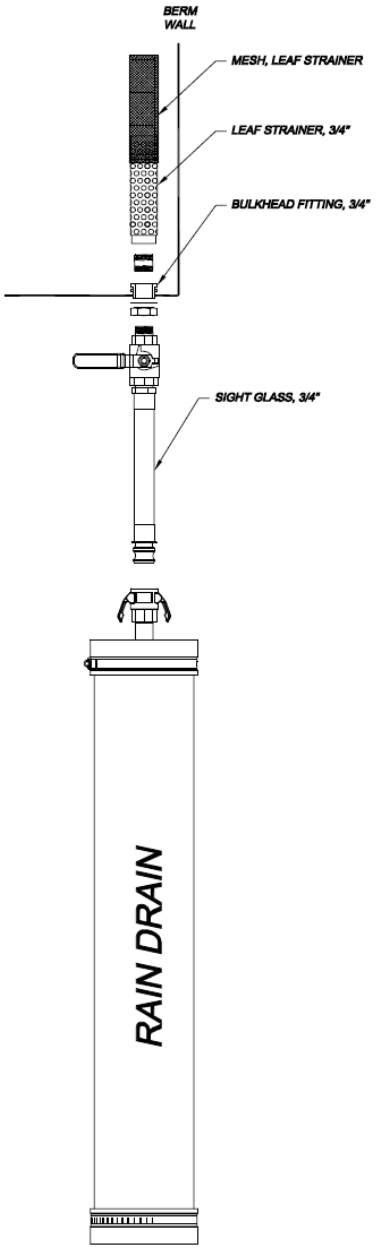
RainDrain Installation

SET-UP STEPS

Step 1 – Attach the sight glass connection to the berm.
On the inside of the berm, attach the aluminum leaf strainer and install the fabric mesh to prevent particulate matter from accumulating in the filter. Next, attach the ¾" NPT sight glass connection to the berm. The sight glass has been designed to eliminate the chance of releasing contaminated water into the environment Quality material has been used to ensure uninterrupted filtration during winter time.

Step 2 – Attach the filter to the sight glass connection.
The ¾" camlock fixture on the sight glass and the filter provides an easy and quick set up and replacement procedure. Ensure the inlet of the filter is positioned at the lowest height to achieve maximum static water head.

Step 3 – Filter replacement.
To replace the exhausted filter (no flow), simply close the ball valve and disconnect the filter from the camlock connection.



HELPFUL TIPS

- To increase the life of the filter, oil absorbent pads could be used to capture the bulk of oil inside the berm.
- As a gravity dependent filtration device, the flow rate of the filter depends on static water head and the size of the outlet. The RainDrain has an average flow rate of 5 LPM (1.30 USGPM) at 6" water head (e.g., full berm) – up to 8.5 LPM (2.25 USGPM) at 22" of water (e.g., heavy rain fall).
- Store used RainDrain cartridges in a leak-proof metal container. Control ignition sources during storage. Dispose of used RainDrain cartridges in accordance with local waste management regulations.

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