

# PetroBarrier

## Systems Inc.

### Installation and Maintenance

#### Installation

1. It is recommended that a plinth 30" long, 8" deep, 4" thick be installed to support the Berm Barrier. The barrier should be placed on this plinth, ensuring that the top of the barrier is level with the top of the berm wall.
2. Apply a generous bead of silicone around the 4" hole on the back plate of the Berm Barrier. Position the Berm Barrier on the concrete plinth so that the 4" outlet pipe protruding from the berm wall fits through the 4" hole in the back plate. Apply silicone around the pipe protruding inside the Berm Barrier.
3. Attach the Berm Barrier to the berm wall with the two lag bolts supplied.
4. Insert the two filter cylinders into the outer compartments and the bypass filter cylinder (labeled bypass filter) in the middle compartment and secure with the self-tapping screws supplied.
5. Place the small pre-filter pad in the 4" outlet pipe through the berm wall.

#### Maintenance

If the product becomes clogged with dirt/debris, its ability to allow water to flow will be greatly reduced, so care should be taken to ensure that garbage/debris is never swept or washed into the Berm Barrier location. Hydrocarbon oils and other chemicals can cause the device to activate, and it will no longer be usable. The product will need to be replaced or re-furbished in this event. Therefore it is important to ensure that only water flows through the product.

#### Testing

Take two litres of water and pour it down each filter tube. Record how long it takes the water to pass through each filter tube. If the water passes through each filter tube in ten seconds or less, it is acting as it should. It is a good idea to repeat this test periodically to ensure no dirt or debris has entered the Berm Barrier.

#### Blockage

If water is not able to pass through the filter tubes, there is a blockage. First check to see if the blockage is being caused by dirt or debris. If there is no debris or dirt, the blockage is being caused by hydrocarbon oil (the filter media is fully activated) and you'll need to replace or re-furbish (send back to PBS) the filter cylinder.

**If you have any questions, require any further instruction or need to order replacement parts, please call Petro Barrier Systems Inc. at:**

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