



**ecoStop**<sup>®</sup>  
Spill control system

# Operating and Maintenance Manual

### 1. Technical description

#### 1.1 OIL SPILL CONTROL

The automatic shut-off valve stops the flow from an above-grade area either when the maximum oil storage capacity is reached or when a certain liquid level in the separation chamber is exceeded.

In its closed position, the valve is tight up to 50kPa (5m-head) pressure. This makes the Rocla ecoStop® spill prevention system the only spill control system to provide maximum security for the facility owner against unexpected, unpredictable and catastrophic petroleum spills.



### 2. Maintenance and Operation

#### 2.1 MAINTENANCE OF SPILL CONTROL VALVE AND FLOAT

The spill control valve at the inlet operates in two working conditions:

- Open valve: Float lever is in a horizontal position, the float is floating in water.
- Closed valve: Float lever is pointing downwards, the float is submerged.

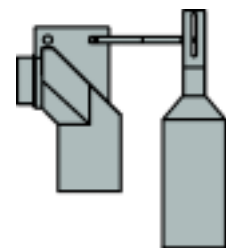
During operation the valve is open, water is admitted to the gravity separator.

The automatic shut-off valve stops the flow from upstream either when the maximum oil storage capacity is reached or when a certain liquid level in the separation chamber is exceeded.

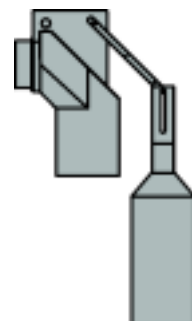
In the event of a major spill the storage and drainage system upstream of the Rocla ecoStop® spill prevention system must be cleaned first.

To set the valve back to its operating condition after a spill, remove the float pin and detach the float from the float lever. Lift out and empty the float. Pump the accumulated oil in the separation chamber and refill the system with fresh water. Use the float pin to connect the float to the float lever again. Make sure to release the float carefully so that it is not sinking. The valve should now be in its operating condition again.

Smoking or naked flames should not be allowed in the vicinity the Rocla ecoStop® spill prevention system, particularly in the event of a spill or when the access covers are open.



Open Valve



Closed Valve

# ecoStop®

## Spill control system



### 2.1.1 Standard Maintenance:

Detach the float from float lever by removing the float pin (see picture).

Check whether the float lever is free moving and the valve can be opened and closed easily.

Check the condition of the gasket.

To clean the inside of the valve remove lid and rinse with high pressure water.

If necessary, lubricate moving parts.



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**3. Maintenance Sheet**

Page No.

**Working Site:**

**Rocla ecoStop<sup>®</sup> spill control system**

| Date | Depth of grit in vessel bottom [mm] | Detection of visible sheen in vessel | Inspection, Pump-out and other maintenance work, remarks | Signature |
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