The NEW Volvo Penta Siphon-Stopper
The ultimate solution wan old problem!

The problem:

The traditional way of preventing water penetration to the engine, caused by the siphon effect through the sea water intake, is the installation of a so called vacuum valve.

For a satisfactory function of a vacuum valve installation, a regular and careful control and replacement of the diaphragm is necessary to be carried out by the boat user. Water with high salt degree, requires a more frequent control and replacement of the diaphragm to secure a satisfactory function of the vacuum valve. Due to the design of an engine room, the vacuum valve is often located in a narrow position, which unfortunately means poor maintenance and thus unsatisfactory function of the valve. This might result in inconvenient water leakage from the valve, and if it comes to the worst, water penetration to the engine, with uncontrolled and serious consequences.

The solution:

Volvo Penta has developed (patent pending) the ultimate solution of this problem, offering afuly controlled sea water flow from the water intake to the sea water pump. The solution comprises an engine controlled siphon-stopper valve, connected to a specially adapted sea water strainer, see enclosed sketch.

The engine mounted valve, operates by means of the engine oil pressure. The valve is connected to the specially adapted water strainer, by a hose. When the engine is running, the oil pressure is closing the valve, and the sea water flow is passing through the strainer to the water pump, without any leakage. When the engine is stopped and the oil pressure drops, the valve will open the airflow, and thus preventing any siphon effect.
### The New Volvo Penta Siphon-Stopper, 031/41/42

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>QTY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>3581891</td>
<td>X</td>
<td>Filter</td>
</tr>
</tbody>
</table>

Volvo Penta Service Bulletins are provided to the public for reference purposes only. Please consult a certified Volvo Penta mechanic before attempting any repairs.
The New Volvo Penta Siphon-Stopper, 031/41/42

The hardware:

The new siphon-stopper fits the 3114J142-engines, and a kit PIN 3581591-9 is now available for delivery.

Kit content (see sketch):
- one valve (l)
- one nipple (2)
- one water strainer (3)
- two clamps (4)
- installation instruction

NOTE! Hoses and hose clamps are not included in the kit.

The benefits:
- No more inconvenient water leakage!
- Fully controlled sea waterflow with no risk for water penetration to the engine!
- A compact, easy to install system, with integrated sea waterfiltration
- No more messy maintenance!

Volvo Penta Service Bulletins are provided to the public for reference purposes only. Please consult a certified Volvo Penta mechanic before attempting any repairs.
Volvo Penta Service Bulletins are provided to the public for reference purposes only. Please consult a certified Volvo Penta mechanic before attempting any repairs.