Damen has a rich tradition in naval shipbuilding with our original navy roots stemming back 135 years. Damen Shipyards Group is known worldwide for its quality shipbuilding, both in the naval and commercial sector. The Offshore Patrol Vessel being a fairly new concept, Damen Shipyards Group has quickly become one of the world's most prolific designer/builder of OPVs.

By the end of 2012 fourteen Damen designed OPVs of various sizes will be in service, with three more on order. Most are built by Damen Shipyards, while some builds are in progress through Transfer-of-Technology programs, under supervision by Damen Technical cooperation.

Damen offers a choice in deployment of the boarding boats from either a side shell recess with a davit or from a stern lip, either visible on the aft main deck or inside the vessel. A high backwall and larger overhang space with an gangway on the stern and flight control facilities are provided.

OPV 2600 aft maindeck lay-out
Flight deck made transparent

Helicopter hangar
accommodation ladder

rescue boat
9m boarding boat rib's
low-freeboard platform
overhead telescopic boat davit

Damen OPVs can accommodate an organic helicopter up to the 10 tonne-class, such as the Sea King and NH-90. A flight deck and hangar space with adjacent service spaces and flight control facilities are provided.

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Damen-Offshore Patrol Vessel Range

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accommodation ladder

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Damen offshore patrol vessels (OPVs) have been specifically developed for navies and coastguards for a wide variety of tasks and for regions with a low level of threat.

These vessels range from 1,000 to 3,750 ton displacement. Operations they are ideal for include:
- Military security (border & EEZ surveillance, anti-piracy and terrorism).
- Marine safety (SAR, oil pollution detection).
- Humanitarian tasks (disaster relief, logistic operations).

To answer today’s requirements, the OPV designs are based on:
- High-level of proven technology.
- 24/7, 365-day availability.
- Economic patrolling (modern hull forms and propulsion).
- Excellent inspection capabilities (boarding boats and heli-deck facilities).

The OPV series is designed in-house and model tested in close cooperation with leading institutes. This ensures that the vessels have very good seakeeping behaviour and that they can reach maximum speeds. They are therefore capable of performing the most challenging tasks.

Damen OPV’s are fitted with high-quality commercial-grade interiors. Control and service spaces provide effective places of work, finished in hard-wearing materials. Accommodation spaces provide a place of rest and relaxation for all on board, while being easy to maintain.

The Damen OPV series have been tailored to meet the special requirements of each project.

### MAIN CHARACTERISTICS

<table>
<thead>
<tr>
<th>OPV 1000</th>
<th>OPV 1400</th>
<th>OPV 1800</th>
<th>OPV 2400</th>
<th>OPV 2600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Displaced (t)</td>
<td>1000</td>
<td>1400</td>
<td>1800</td>
<td>2400</td>
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<tr>
<td>Stability</td>
<td>5.40</td>
<td>5.74</td>
<td>5.76</td>
<td>5.40</td>
</tr>
<tr>
<td>Length (m)</td>
<td>36.00</td>
<td>41.00</td>
<td>46.00</td>
<td>50.00</td>
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<tr>
<td>Beam (m)</td>
<td>11.00</td>
<td>11.50</td>
<td>11.60</td>
<td>11.80</td>
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<tr>
<td>Draught (m)</td>
<td>3.10</td>
<td>3.75</td>
<td>3.75</td>
<td>4.00</td>
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<tr>
<td>Speed (kn)</td>
<td>18</td>
<td>21</td>
<td>22</td>
<td>23</td>
</tr>
<tr>
<td>Endurance (days)</td>
<td>15</td>
<td>25</td>
<td>30</td>
<td>40</td>
</tr>
<tr>
<td>Range (nm) at 12 kn</td>
<td>4000</td>
<td>4000</td>
<td>5000</td>
<td>6000</td>
</tr>
<tr>
<td>Helicopter hangar (yes/no)</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Cargo capacity (ton)</td>
<td>30</td>
<td>35</td>
<td>46</td>
<td>60</td>
</tr>
<tr>
<td>Combat stores (ton)</td>
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<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Armament (mm)</td>
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<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Missiles</td>
<td>30</td>
<td>130</td>
<td>190</td>
<td>220</td>
</tr>
</tbody>
</table>

**Explanations of remarks:**
- The helicopter hangar can be omitted from the design, creating even more space for accommodation and service spaces.
- Based on manning analysis by Damen.
- The multi-role compartment is located below maindeck and can be configured, dedicated or flexibly, for:
  - accommodation for embarked forces
  - accommodation for survivors
  - carriage of mission equipment
  - carriage of packaged goods