ANODE DRAIN VALVES
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The anode valves are designed in a strict synergy with our customers. OMB experience allowed a design where different functions are well-integrated in a small place. OMB can integrate directly the valve on the customer water separator or, if required, can propose a cartridge solution. Different materials are used according to the environmental temperatures.

The coil is responsible for the complete opening of the valve. Its power depends on the pressures required by our costumer. PWM and Peak and Hold controls are allowed. The coil connector is chosen on a costumer request. If the valve is expected to freeze, dedicated solutions can be added.

General features:
- Normally closed valve
- Cartridge solution or on body
- Main Gasket material: EPDM
- Relative humidity: From 0 to 100%
- IP protection: IP5K4 for electrical parts
- Opening response time: < 100 ms
- Closing response time: < 100 ms
- Working fluids: Hydrogen, Air, Helium, Nitrogen, Water(pH4-7), Vapor, Ice, Hydrofluoric acid, Hydrogen peroxide

The valve can be requested with the following optional:
- Heaters (PTC or NTC)
- Fastening clip
- Dedicated connector
- Transil or thermal control in the coil
- Integration on the Water separator
### Valves Layout

- **Outlet shaped discharge geometry to facilitate drainage of water**
- **Body with housing concept (it is inserted in the mating part)**

### Available Versions

<table>
<thead>
<tr>
<th>Picture</th>
<th>Description</th>
<th>Metallic body material</th>
<th>Max Leakage</th>
<th>Filter</th>
<th>Pressure conditions (bar)</th>
<th>Orifice</th>
<th>Connector</th>
<th>Nominal power [W]</th>
<th>Nominal current [A]</th>
<th>Resistance @20°C [Ω]</th>
<th>Alimentation [V]</th>
<th>Heaters</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Anode Drain Valve A661 T6" /></td>
<td>Anode Drain Valve A661 T6</td>
<td>0.00 Nccomin</td>
<td>10 mln</td>
<td>Non-coated, 50 nm</td>
<td>2.02 2.07 3.56</td>
<td>Ø0.7</td>
<td>SamiKomo</td>
<td>20.7 W</td>
<td>1.73 A</td>
<td>7 ± 5%</td>
<td>12 V</td>
<td>Yes 9</td>
</tr>
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<td>Anode Drain Valve A661 T6</td>
<td>0.00 Nccomin</td>
<td>10 mln</td>
<td>Non-coated, 50 nm</td>
<td>2.02 2.07 3.56</td>
<td>Ø2.00</td>
<td>SamiKomo</td>
<td>20.7 W</td>
<td>1.73 A</td>
<td>7 ± 5%</td>
<td>12 V</td>
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<td><img src="image3" alt="Anode Drain Valve A661 T6" /></td>
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<td>10 mln</td>
<td>Non-coated, 50 nm</td>
<td>2.02 2.07 3.56</td>
<td>Ø2.04</td>
<td>SamiKomo</td>
<td>20.7 W</td>
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The anode valves can be integrated in the Anode water separator.

General features:
• Working fluids: Hydrogen, Water, nitrogen, oxygen
• Separating efficiency: >95%
• Max. operating pressure: 2.9 bar
• Min. occurring pressure: 0.5 bar
• Max. pressure at which the leak tightness can be ensured: 3.85 bar
• Burst pressure: >9 bar
• Pressure loss (anode gas inlet/outlet, with 2.64 bar at inlet): <12 mbar