SICCA – High pressure gate valve made of cast steel to ASME / ANSI standards

Applications:
For main steam, feed water, gas and other non-aggressive fluids in:
- Fossil-fuelled power stations
- Nuclear power stations
- Industrial plants

More information:
www.ksb.com/products
SICCA – High pressure gate valve made of cast steel to ASME / ANSI standards

1 Robust and high-strength cast steel body
   - Ideal for very high pressures and temperatures.
   - Large range of cast materials.

2 Reliable sealing to atmosphere
   - Compact pressure seal bonnet with pure graphite gasket.
   - Graphite gland packing with packing end rings.

3 Reliable, tight shut-off and service-friendly design
   - Wedge holder with flexibly mounted split wedge.
     Precise alignment of wedge halves with body seat; wedge halves are easy to replace.
   - Actuating moments are absorbed by the wedge holder and guide ribs in the body.
   - Straightforward actuator mounting with ISO flange at the yoke head. No need to dismantle pressure-retaining components.

4 Additional safety and blow-out protection by standard back seat

5 Long service life and high functional reliability
   - Standard stop nut limits wedge action, thus preventing jamming in the closed position. Reliable opening even in the event of temperature transients.
   - of the gland packing due stem with burnished shank.
   - Threaded bush runs in ball bearings for smooth actuation.
   - Hard-faced seat / disc interface made of stellite.

Materials*

<table>
<thead>
<tr>
<th>Material</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM A 216 WCB</td>
<td>up to 425 °C / 800 °F</td>
</tr>
<tr>
<td>ASTM A 217 WC6</td>
<td>up to 593 °C / 1100 °F</td>
</tr>
<tr>
<td>ASTM A 217 WC9</td>
<td>up to 593 °C / 1100 °F</td>
</tr>
<tr>
<td>ASTM A 217 C12A</td>
<td>up to 650 °C / 1200 °F</td>
</tr>
</tbody>
</table>

*Other materials on request.

Technical data*

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal size</td>
<td>DN 50 – 600 / 2” – 24”</td>
</tr>
<tr>
<td>Pressure</td>
<td>up to 430 bar / 6,250 psi</td>
</tr>
<tr>
<td>Temperature</td>
<td>up to 650 °C / 1,200 °F</td>
</tr>
</tbody>
</table>

*Higher ratings on request.