(c) Category 5, 7, and 8 valve items may be made from any material suitable for the intended service. Consideration shall be given to stress relaxation when selecting materials for Category 5 items.

(d) The Certificate Holder shall provide a list that identifies the material used for each Category 3, 4, 5, 6, 7, or 8 valve item. This list may be included as a parts list on a general arrangement assembly drawing or as a separate list.

(e) Where the tensile strength, yield strength, hardness, tempering temperature, or aging temperature listed in Table HH-1312-1 differs from the requirements of the material specification, the requirements listed in Table HH-1312-1 shall apply.

### Table HH-1120-1
Summary of Requirements

<table>
<thead>
<tr>
<th>Typical Valve Items</th>
<th>Category No. and Valve Class</th>
<th>Design Report [Note (1)]</th>
<th>Certified Material Test Report</th>
<th>MT/PT Examination</th>
<th>Impact Charpy V-Notch</th>
<th>Material Identification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body, Bonnet</td>
<td>Category 1</td>
<td>Subsection NB, NC, and ND</td>
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<tr>
<td>Bonnet-Bolting</td>
<td>Category 2</td>
<td>Subsection NB, NC, and ND</td>
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<td>Disc, Stems</td>
<td>Category 3</td>
<td>Subsection NB</td>
<td>X</td>
<td>X [Note (2)]</td>
<td>X [Note (5)]</td>
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<tr>
<td></td>
<td>Subsection NC</td>
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<td>X</td>
<td></td>
<td>X [Note (5)]</td>
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<tr>
<td></td>
<td>Subsection ND</td>
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<td>X</td>
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<td>Seat Rings</td>
<td>Category 4</td>
<td>Subsection NB</td>
<td>X</td>
<td>X [Note (3)]</td>
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<td>Subsection NC</td>
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<td>X</td>
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<td>Springs</td>
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<td>X [Note (6)]</td>
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<td></td>
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<td>Yokes, Gland Flange, Gland Bolts</td>
<td>Category 6</td>
<td>Subsection NB</td>
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<td>X [Note (6)]</td>
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<td>Lantern Ring, Gland, Yoke Nut, Grease Fitting</td>
<td>Category 7</td>
<td>Subsection NB</td>
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<td>Packing, Gaskets, Seals, Piston Rings</td>
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<td>Subsection NB</td>
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<td>Subsection ND</td>
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</tbody>
</table>

NOTES:
(1) An analysis in the Design Report is required for valves manufactured to Subsection NB larger than NPS 4 (DN 100) (NB-3560).
(2) Radiography or ultrasonic examination of cast materials and valve disks for valves over NPS 2 (DN 50) is required.
(3) Applies to valves manufactured to Subsection NB larger than NPS 2 (DN 50).
(4) Cast materials for valve items over NPS 2 (DN 50) only.
(5) When required for the valve per Design Specification.
(6) The quality control system shall cover identification in accordance with HH-1317.1 and HH-1317.2.
(7) Material Manufacturer’s Certificate of Compliance.

### HH-1313 Special Requirements Conflicting With Permitted Material Specifications

(a) Special requirements stipulated in this Appendix shall apply in lieu of the requirements of the materials specifications wherever the special requirements conflict with the material specification requirements. Where the special requirements include an examination, test, or treatment that is also required by the materials specification, the examination, test, or treatment need be performed only once. Any required nondestructive examinations shall be performed as specified in HH-1330. Any examination, repair, test, or treatment required by the material specification or this Appendix may be performed by the Material Organization or the
Category 5, 7, and 8 valve items may be made from any material suitable for the intended service. Consideration shall be given to stress relaxation when selecting materials for Category 5 items.

The Certificate Holder shall provide a list that identifies the material used for each Category 3, 4, 5, 6, 7, or 8 valve item. This list may be included as a parts list on a general arrangement assembly drawing or as a separate list.

Where the tensile strength, yield strength, hardness, tempering temperature, or aging temperature listed in Table HH-1312-1 differs from the requirements of the material specification, the requirements listed in Table HH-1312-1 shall apply.

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