High nickel alloy
Gate, globe, check, and ball valves

New standard stocking program

Velan’s distribution now stocks a variety of high nickel alloy valves including:

- Alloy 20
- Hastelloy
- Inconel
- Monel

Velan. Quality that lasts.
All Velan valves are designed to comply with the requirements of ASME B16.34, the ASME code, and special customer requirements, as applicable. Every step from procurement through production, assembly, testing, and packaging is in accordance with written quality programs and procedures.

Velan stainless steel valves manufactured with nickel alloys offer important environmental benefits to the oil and gas as well as the chemical and petrochemical industries.

Our valves meet the most stringent national and international standards for fugitive emissions. Velan offers cast steel bolted bonnet gate and globe valves that are qualification tested for compliance with EPA fugitive emissions regulations as well as ISO 15848 and API 622 standards.

**Reliability through testing**

All valves are tested during production for reliability with pressurized air and hydrotested for bubble-free tightness in accordance with API 598 specifications.

### Gate valves

**ASME Classes 150, 300**

NPS ½–24 (DN 15–600)

Integral seat,

API 603, flanged

Wall thickness to

ASME B16.34

**ASME 600**

NPS ½–1½ (DN 15–40)

Full port, threaded, socket weld or combination ends

Wall thickness to

ASME B16.34

### Globe valves

**ASME Classes 150, 300**

NPS ½–6 (DN 15–150)

Integral seat, flanged

Wall thickness to

ASME B16.34

**ASME 600**

NPS ½–1½ (DN 15–40)

Full port, threaded, socket weld or combination ends

Wall thickness to

ASME B16.34

### Swing check valves

**ASME Classes 150, 300**

NPS ½–12 (DN 15–300)

Integral seat, flanged

Wall thickness to

ASME B16.34

**STANDARD MATERIALS**

<table>
<thead>
<tr>
<th>PART</th>
<th>MONEL</th>
<th>ALLOY 20</th>
<th>HASTELLOY C</th>
<th>INCONEL</th>
</tr>
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<tbody>
<tr>
<td>Body and bonnet</td>
<td>M35-1</td>
<td>CN7M</td>
<td>CW12-MW</td>
<td>CY-40 Class 1</td>
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<tr>
<td>Seat</td>
<td></td>
<td>MPTE/metal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ball / wedge / disc</td>
<td>Monel</td>
<td>Alloy 20</td>
<td>Hastelloy C</td>
<td>Inconel</td>
</tr>
<tr>
<td>Stem</td>
<td>Monel</td>
<td>Alloy 20</td>
<td>Hastelloy C</td>
<td>Inconel</td>
</tr>
<tr>
<td>Packing</td>
<td></td>
<td>Graphite</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Live-loading packing options are available upon request.

PTFE packing and gaskets are available upon request.

Note: Other materials such as duplex, super duplex, nickel 200, and titanium are available upon request.
Velan Memoryseal® and resilient seated ball valves are available in high nickel alloys

Velan offers one of the most comprehensive lines of industrial valves available from any manufacturer. A commitment to ongoing design innovations and the latest in manufacturing technology allows Velan to offer a wide range of engineered solutions at an exceptional value. There simply is no substitute for experience and proven performance. Based on extensive laboratory tests and field experience, we guarantee that Velan ball valves will provide low emission service on gaskets and stem seals under normal operating conditions.

Spilt-body ball valves
SB-150/300/600
ASME 150, 300, 600
Full port: NPS ½–24 (DN 15–600)
Regular port: NPS 2–24 (DN 50–600)
Live-loaded, flanged

Unibody ball valves
UB-150/300
ASME 150, 300
Regular port: NPS ½–12 (DN 15–300)
Flanged, ISO 5211

One-piece ball valves
HB-2000
2000 WOG
Reduced port: NPS ¼–2 (DN 8–50)
Threaded

Top-entry ball valves
TE-150/300/600
ASME 150, 300, 600
1480 WOG
Full port: NPS ⅞–6 (DN 10–150)
Regular port: NPS ½–6 (DN 15–150)
Live-loaded, double packed, bellows seal, threaded, socket weld, butt-weld or flanged

End-entry ball valves
EE-1000
1000/1500 WOG
Full port: NPS ¼–2 (DN 8–50)
Two-piece, threaded
EP-2000
1000/2000 WOG
Regular port: NPS ½–2 (DN 15–50)
Two-piece, threaded

Three-piece ball valves
VTP-2000
1500/2000 WOG
Full port: NPS ½–2 (DN 15–50)
Regular port: NPS ¾–2 (DN 20–50)
Threaded, socket weld
Velan’s extensive product range includes gate, globe, check, ball, triple-offset, and engineered severe service valves as well as steam traps — all of which are installed world-wide to handle diverse applications in the following industries:

- Fossil, nuclear, and cogeneration power
- Oil and gas
- Refining and petrochemicals
- Chemicals and pharmaceutical
- LNG and cryogenics
- Marine
- HVAC
- Mining
- Water and wastewater
- Pulp and paper
- Subsea

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