

Valve
Actuation

Steam

Instruments

Hot Water

Industrial
PVF



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**FOR VELAN
VALVES**

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VELAN

0064C Cast Steel Gate Valve

Description:

This Velan Cast Steel API 600 Gate Valve is bolted bonnet cast carbon, stainless, or alloy steel.

Information:

- Size Range: NPS 2-64, (DN 50 - 1600)
- Pressure Range: ASME Classes 150 - 1500
- Standard Connections: Flanged: -ASME Classes:
 - 150-300: 1/16" raised face
 - ASME Classes: 600-1500: 1/4" raised face
 - Finish: 125-250 AARH for all valves
- Using handwheel, these thrust bearings supplied:
 - ASME Classes 150-300: NPS 10-12 (DN 250-300), 1 bearing (top)
 - NPS 14 (DN 350) and up, two bearings
 - ASME Classes 600-1500: NPS 6 (DN 150) & up.

Features:

- Universal trim: 13Cr stem, wedge in CA 15 or 13Cr faced, and CoCr alloy faced seat API Trim 8 suitable for applications up to 850°F (454°C).
- Seat face CoCr alloy hardfaced
- Flexible wedge with low center stem-wedge contact, in solid CA15 (13Cr) or hardfaced with 13Cr, SS 316, Monel or CoCr alloy. Wedge is ground and lapped to a mirror finish and tightly guided to prevent dragging and seat damage.
- A CoCr alloy hardfaced CF8M wedge is also available.
- Non-rotating stem with precision Acme threads and burnished finish. Double Acme for faster operation.
- Body and bonnet joint accurately machined.
- Body and bonnet castings are precision machined.
- One-piece bonnet for better alignment and fewer parts for Class 150 up to NPS 16 (DN 400).
- Rotating stem nut is Austenitic ductile iron Gr. D-2C renewable in line

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VELAN

0074C Cast Steel Globe Valve

Description:

This Velan Cast Steel API 623 Globe Valve is bolted bonnet cast carbon, stainless, or alloy steel, with a unique non-rotating design that is easily adaptable for actuation – precision Acme threads and burnished finish. Valve suitable for horizontal installation.

Information:

- Size Range: NPS 2 - 24 (DN 50 - 600)
- Pressure Range: ASME Classes 150 - 1500
- Standard Connections: Flanged
 - ASME Classes: 150–300: 1/16" raised face.
 - ASME Classes: 600–1500: 1/4" raised face.
 - Finish: 125–250 AARH for all valves.

Features:

- Non-rotating stem design
- Universal trim: 13Cr stem, 13Cr faced disc, and CoCr alloy faced seats – API Trim 8 suitable for service up to 850°F (454°C).
- Seat face CoCr alloy hardfaced, ground, and lapped to a mirror finish. Conical seat machined to fine surface finish.
- Body guided disc accurately mates the hardfaced surface of the disc (hardfaced with 13Cr, CoCr alloy, SS 316, or Monel) with the surface of the body seat, which is ground and lapped to a mirror finish. The disc guides are hardfaced to extend the wear life of the disc guides.
- Body and bonnet castings are precision machined. One-piece bonnet for better alignment, fewer parts.
- Stuffing box machined to fine surface finish.
- Body and bonnet joint accurately machined to fine surface finish. Fully enclosed gasket.
- Gland has two-piece construction for easy alignment.
- Rotating stem nut in Austenitic ductile iron Gr. D-2C, renewable in-line.
- Torque arm reduces wear on packing rings and enables better sealing and reduces torque.
- Impactor handwheels: Globe and stop check valves require higher closing torques than gate valves with the same seat diameter and pressure class. The most economical mechanism for tight shutoff is the impactor handwheel. Two lugs cast under the wheel strike simultaneous blows and give 3–10 times the closing force of standard handwheels. Impactor handwheels are supplied at manufacturer's option unless specified by customer.



VELAN

0114C Cast Steel Swing Check Valve

Description:

This Velan Cast Steel API 623 Swing Check Valve is bolted bonnet cast carbon, stainless, or alloy steel, with a unique non-rotating design that is easily adaptable for actuation – precision Acme threads and burnished finish. Valve suitable for horizontal installation.

Information:

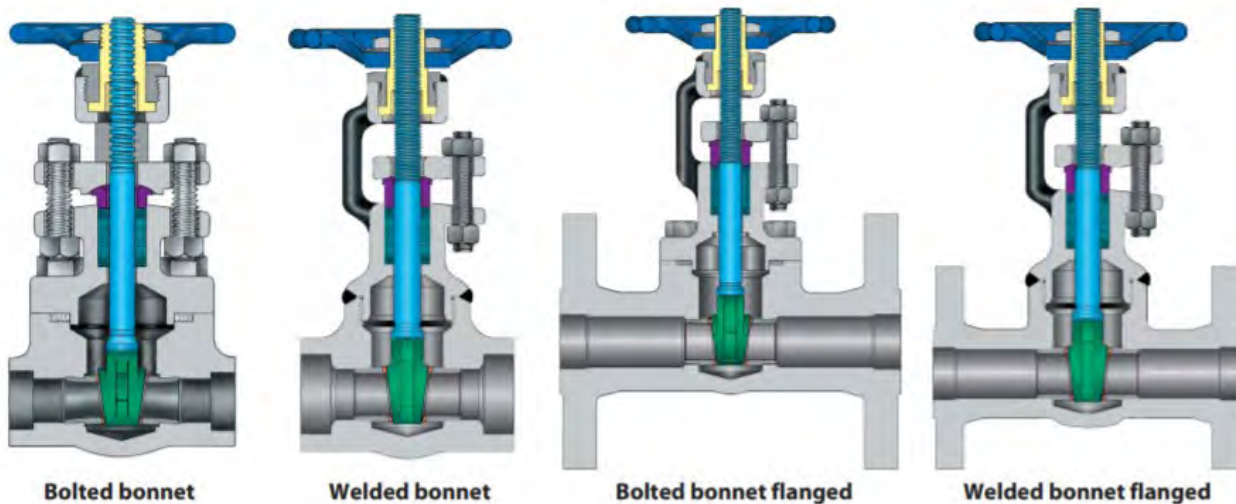
- Size Range: NPS 2 - 48 (DN 50 - 1200)
- Pressure Range: ASME Classes 150 - 1500
- Standard Connections: Flanged
 - ASME Classes 150–300: 1/16" raised face.
 - ASME Classes 600–1500: 1/4" raised face.
 - Finish 125–250 AARH for all valves.

Features:

- Body and cover: Precision machined castings. Exclusive: Disc shaft does not penetrate body.
- Body and cover joint: Accurately machined, fully-enclosed gasket.
- Disc: Robust one-piece construction to withstand the severe shock of check valve service. Hardfaced with 13Cr, CoCr alloy, SS 316, or Monel, ground and lapped to a mirror finish. Sizes NPS 2–6 (DN 50–150) may have solid CA 15 (13Cr) disc. SS 316 disc with CoCr alloy facing also available.
- Disc assembly: Non-rotating disc is fastened securely to disc hanger with a lock nut and cotter pin. Disc hanger is supported on a sturdy disc carrier hinge pin of excellent bearing qualities. All parts are accessible from top for easy servicing.

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VELAN

2054 Forged Steel Gate Valve

Description:

This Velan Small Forged Steel API 602 Gate Valve is available in threaded, socket weld, & flanged. Optional features for special applications include: seal-welded seat rings, double packing, & parallel slide gate valves.

Information:

- Size Range: NPS 1/4 - 2 (DN 8 - 50)
- Pressure Rating: ASME Classes 150 - 4500
- Standard Connections: Threaded, Socket Weld, Flanged

Features:

- A compact but extremely sturdy design for high pressure-temperature service.
- Solid CoCr alloy wedge (optional) ensures low friction and long service life.
- For Class 1500 valves and for steam service, seats are seal-welded to the body.
- Packing rings are precompressed to 4000 psi to provide a high integrity seal.
- For welded bonnet valves, the bonnet is threaded in and torqued to an engineered torque value and the body bonnet joint is strength-welded, offering double protection against leakage. (Body/bonnet threads and strength-weld).
- Fully guided wedge reduces wear on seating surfaces.
- Repairable 2-piece stem drive.
- Parallel slide gate valves also available.
- Optional design available with double packing, leak-off connection, live-loading and a packing blowout for easy removal of old packing.

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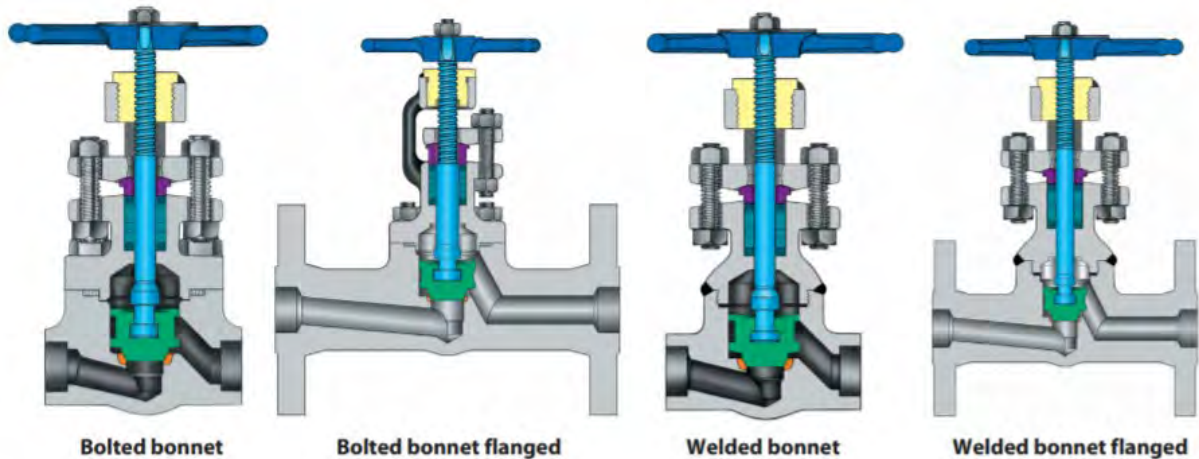
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VELAN

2074 Forged Steel Globe Valve

Description:

This Velan Small Forged Steel API 602 Globe Valve is available in threaded, socket weld, & flanged.

Information:

- Size Range: NPS 1/4 - 2 (DN 8 - 50)
- Pressure Rating: ASME Class 150 - 1500
- Standard Connections: Threaded, Socket Weld, Flanged

Features:

- A compact but extremely sturdy design for high pressure-temperature service.
- Available types: Stop, Stop check, Needle, Flow control.
- Available with bolted or welded bonnet.
- Packing rings are precompressed to 4000 psi to provide a high integrity seal.
- Repairable 2-piece stem drive.
- Available with double packing, leak-off connection and live-loading.
- Fully guided disc ensures low friction and long service life

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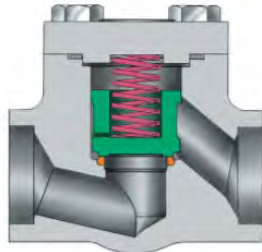
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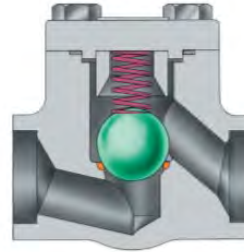
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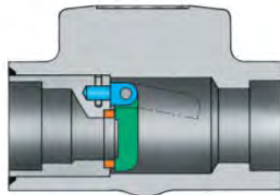
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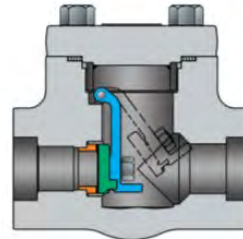
Piston bolted cover



Ball type bolted cover



Coverless swing check



Bolted cover swing check

VELAN

2034 Forged Steel Check Valve

Description:

This Velan Small Forged Steel API 602 Check Valve is available in threaded, socket weld, & flanged. Compact, but extremely sturdy design for high pressure/temperature service.

Information:

- Size Range: NPS 1/4 - 2 (DN 8 - 50)
- Pressure Rating: ASME Classes 150 - 1500
- Standard Connections: Threaded, Socket Weld, Flanged

Features:

- Body guided disc (piston check valves) ensures alignment of disc and seat, even at large flow velocities
- Available types: Piston, Ball, Swing check
- Integral Seat: CoCr alloy
- Disk: CA15HT or CoCr alloy
- Gasket: Gr. 304 (stainless & graphite)
- Aluminum Name Plate

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- Kitting Services - we can bag and tag to your specifications
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