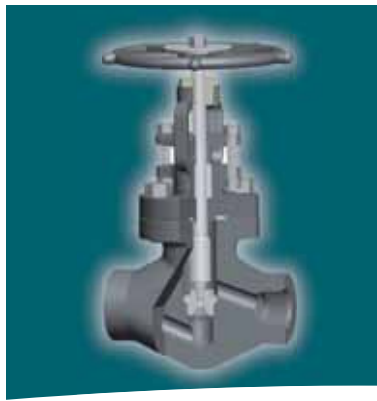




Vogt Special Applications Product Catalog



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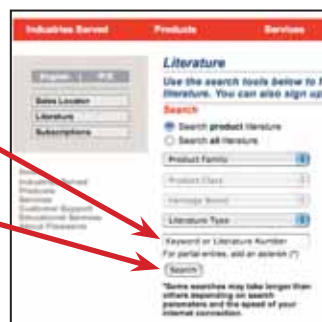
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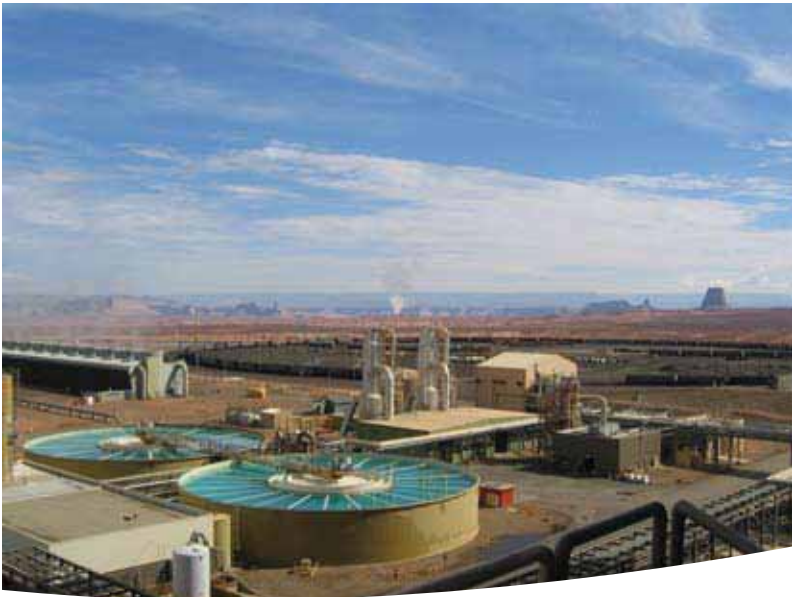
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Flowserve Vogt Valves offer 100 years experience in the production of highest quality forged steel gate, globe and check valve for severe and special applications.



High Alloy Valves



New machining technologies and improved supply chain logistics mean no more long lead times for special barstock-body or high alloy, forged body valves. In most cases, delivery is available within four to six weeks. Let Flowserve-Vogt satisfy your critical valve application requirements and provide industry-best lead times.

To find out more, call 1-800-225-6989.

High Alloy Valve materials include, but are not limited to:

- Alloy 20
- Hastelloy¹⁾
- Inconel²⁾
- Monel²⁾
- Nace
- 316
- 317
- 321
- 347
- 2205
- F5
- F11
- F22
- F91
- LF2

1) Registered trademark of Haynes International
2) Registered trademark of the International Nickel Company, In

Extended Body Forged Steel Valves



Features

- This design has inherently greater length/strength ratio than the traditional "valve with nipples" welded assembly
- Varying insulation thicknesses can be accommodated
- Ready-to-install outlet provides reliable performance
- Significant savings in installation, inspection and maintenance

Applications

- Specifically designed for pressure measurement, venting, draining and sampling applications
- Integral reinforced ends for direct welding to header without branch fitting (O-let)

Sizes

- Conventional port, Class 800, welded bonnet, ½" - 1½"
- Conventional port, Class 800, integrally reinforced, welded bonnet & bolted bonnet, ½" - 2"
- Conventional port Class 1500, welded bonnet, ½" - 1"
- Conventional port, Class 1500, integrally reinforced, welded bonnet & bolted bonnet, ½" - 1 ½"

Standards

- API-602
- ASME B16.34

End Connections

- Male threaded x female threaded
- Male threaded x female socket weld
- Male socket weld x female threaded
- Male socket weld x female socket weld
- Male couplet x female socket weld
- Male couplet x female threaded
- Male butt weld x female socket weld
- Male butt weld x female threaded

Materials

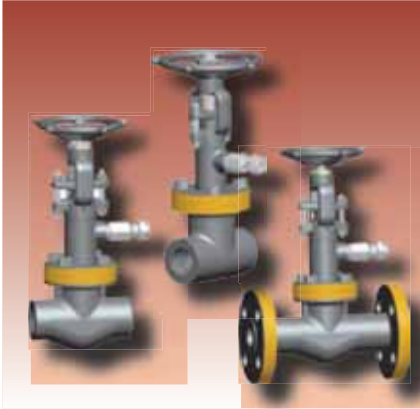
- ASTM A105
- ASTM A182 F316/316L
- ASTM A182 F5, F9, F11 & F22
- ASTM A350 LF2

Get more information:

Product catalog:
VVABR1022

See page 2.

HF Alkylation Service Valves



Features

- UOP, ConocoPhillips & Vogt Alkylation specifications
- Hydrofluoric Acid Service
- Double packing chamber with grease injector available
- Full port and conventional port
- Monel/PTFE trim
- Acid detecting paint
- Acid shields available

Applications

- Gate, Globe and Check valves specifically designed for use of hydrofluoric (HF) acid in the Alkylation process.
- UOP Approved Designs For Alkylation Units
- Listed Design for Phillips Alkylation Units

Sizes

- Conventional port, Class 300, bolted bonnet, size 2 only.
- Conventional port, Class 600, bolted bonnet, size ½" - 2"
- Conventional port, Class 800, bolted bonnet, ½" - 2"
- Full port, Class 800, bolted bonnet, ½" - 2"

Standards

- API-602
- ASME B16.34
- UOP
- ConocoPhillips

End Connections

- Female threaded
- Socket weld
- Flanged

Get more information:

Product catalog:
VVABR1021

See page 2

Sour Service Valve Applications



Features

- Materials of construction meet NACE MR0103 specifications
- Full Hard Faced Seat Construction
- Full port and conventional port
- 13 Chrome, 316 Stainless Steel and Monel trim Packages Available

Applications

- Gate, Globe and Check valves specifically designed for use in sour gas/sour crude, where H₂S is present with water and/or CO₂ or Chlorides.
- Sulfide Stress Cracking Resistant Materials

Sizes

- Conventional port, Class 150 - 1500, bolted bonnet, size ½" - 2".
- Conventional port, Class 800, 1500 & 2500 welded bonnet, size ½" - 2"
- Full port, Class 300, 600, 800 & 1500, bolted bonnet, ½" - 2"
- Full port, Class 800 & 1500, welded bonnet, ½" - 2"

Standards

- API-602
- NACE MR0103
- B16.34

End Connections

- Female threaded
- Socket weld
- Flanged

Get more information:

Product catalog:
VVABR1017

See page 2

In-Line Repairable “Y” Pattern



Features

- In-Line Repairable
- Valve may be disassembled before post weld heat treatment.
- Full Hard Faced Seat Construction
- Full port
- Positive bonnet/yoke locking devices
- ASME LTD Class 1690/2680

Applications

- Globe valve specifically designed for use in high pressure blowdown or blow-off service.
- May be used for High Pressure Steam vents or drains.
- Superheated Steam

Sizes

- Full port, Class 2500/2680, ½" – 2"
- Conventional port, Class 1500/1690, ½" – 2"

Standards

- ASME B16.34
- ASME B31.1

End Connections

- Female threaded
- Socket weld

Materials

- ASTM A105
- ASTM A182 F11, CL 2
- ASTM A182 F 22, CL 3
- ASTM A182 F91

Get more information:

Product catalog:
VVABR1008

See page 2

“Y” Pattern Globe and Check Valve



Features

- Welded Bonnet Design
- Integral hard faced seat and disc.
- Higher Cv value than typical “T” pattern globe valve.
- Higher than standard rating with ASME B16.34 LTD Class
- Y-pattern globe and check valve available in Class 1690 and Class 2680

Applications

- Globe valve specifically designed for use in high pressure blowdown or blow-off service.
- May be used for High Pressure Steam vents or drains.
- Superheated Steam

Sizes

- Full port, Class 800, 2500/2680, ½" – 2"
- Conventional port, Class 1500/1690, ½" – 2"

Standards

- ASME B16.34
- ASME B31.1

End Connections

- Female threaded
- Socket weld

Materials

- ASTM A105
- ASTM A182 F11, CL 2
- ASTM A182 F 22, CL 3
- ASTM A182 F91

Get more information:

Product catalog:
VVABR1016
VVABR1018

See page 2

Forged Steel Cryogenic Valves



Features

- A182 F316/F316L Stainless Steel rated to -325° F
- Hard Faced Seats
- Full and conventional port
- Extended Bonnet
- Teflon packing & gasket
- Actuation Available
- Round Bolted Bonnet

Applications

- Gate, Globe and Check valves specifically designed for use in the cryogenic range (-100° F to -325°F) for production, storage, and transport of liquefied gases.
- LNG Loading and Transfer Terminals.
- Gas Liquefaction Systems

Sizes

- Conventional port, Class 150 - 1500, bolted bonnet, size ½" – 2".
- Full port, Class 600 • 1500, bolted bonnet, ½" – 2"

Standards

- MSS-SP-134
- ASME B16.34

End Connections

- Female threaded
- Socket weld
- Flanged

Get more information:

Product catalog:

VVACT0000 (Pages 17 and 57)

See page 2

Flow Control Globe & Angle Valves



Features

- Accurate, Repeatable Flow Regulation
- Hard Faced Integral Seat
- Full And Conventional Port
- Positive Shutoff
- Graduated Dial And Indicator When Required
- Fully Guided V-Port Throttling Disc
- Cv Factors to Match Application
- Needlepoint Stem For Precise Flow Regulation
- Angle Valve Configuration
- Globe "T" Pattern Configuration

Applications

- Continuous Blowdown For Boiler Systems
- Speed Control Hydraulic Systems
- Metering Systems
- High Pressure Drop Systems
- Process Control – Heating/Cooling (HVAC) Systems

Sizes

- Class 150 to 1500, bolted bonnet, ½" – 2"

Standards

- ASME B16.34

End Connections

- Female threaded
- Socket weld
- Flanged

Materials

- ASTM A105
- ASTM A182 F316/316L
- ASTM A350 LF2
- ASTM A182 F22

Get more information:

Product catalog:
VVABR1015

Water-Free Chlorine Service Globe Valves



Features

- Renewable Seat Globe Valve
- Positive Shutoff
- Soft Teflon Inserted Disc Available
- Hastelloy Stem
- Monel Seat and Disc
- Manufactured, Tested, Cleaned and Packaged Accordance With the Requirements For Chlorine Service.

Applications

- Water Free Chlorine Service
- Bleach Mills
- Water Treatment Facilities
- Chlorine Storage and Transport

Sizes

- Class 300, 600 & 800, bolted bonnet, ½" – 2"

Standards

- ASME B16.34
- Chlorine Institute Pamphlet No. 6.

End Connections

- Female threaded
- Socket weld
- Flanged

Get more information:

Product catalog:
VVABR1007

See page 2

Forged Steel Bellow Seal Gate & Globe Valves



Features

- Class 800
- Zero Environmental Leakage
- High Strength, Seamless Multi-Ply Bellows
- Minimum Pressure Boundary Welds
- Full Hard Facing
- Welded Bonnet
- BACT (Best Available Control Technology)
- Conventional Port

Applications

- Refineries, Chemical Plants, anywhere where fugitive emissions are not tolerated.

Sizes

- Gate Valve: Class 800, welded bonnet, ½" – 2"
- Globe Valve: Class 150, 300, 600 & 800, bolted bonnet, size ½" – 2"

Standards

- ASME B16.34

End Connections

- Female threaded
- Socket weld
- Flanged

Materials

- ASTM A105
- ASTM A182 F316/316L
- ASTM A350 LF2

Get more information:

Product catalog:
VVABR1004
VVABR1005
VVABR1011

See page 2

Forged Steel Reduced Emissions Valves



Features

- Low cost alternative for emission reduction, gate and globe designs
- Available in Gate Valve or Retrofit Bonnet Assembly
- Reduces Fugitive Emissions Through Packing Chamber
- Reduces Tight Stem/Packing Friction Drag
- "ER" Bonnet Retrofit of existing valves without removal from line.
- Double Packing with Grease Injector and Lantern Ring

Applications

- Refineries, Chemical Plants, anywhere where fugitive emissions level reduction is desired.

Sizes

- Gate Valve: Class 150, 300, 600 & 800, bolted bonnet, ½" – 2"
- Globe Valve: Class 800, bolted bonnet, ½" – 2"

Standards

- API-602
- ASME B16.34

End Connections

- Female threaded
- Socket weld
- Flanged

Materials

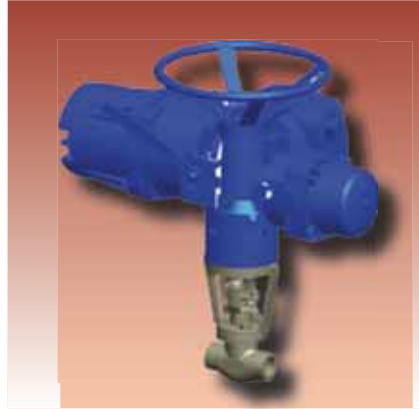
- ASTM A105

Get more information:

Product catalog:
VVABR1002

See page 2

Motor or Air Operated Gate and Globe Valves



Features

- Standardized Conversion Design
- Factory Installed
- Performance Tested
- Quick Delivery
- Single Source Responsibility

Applications

- Power Generation, Refining, Petrochemical where process streams are automated and controlled.

Sizes

- Gate Valves: Class 150 to 2680, bolted and welded bonnet, 1" – 4"
- Globe Valve: Class 150 to 2680, bolted and welded bonnet, 1" – 2"
- All Vogt Gate and Globe Valves can have Air or Motor Operator Factory Installed.

Standards

- API-602
- ASME B16.34
- MSS-SP-102 Mounting

End Connections

- Female threaded
- Socket weld
- Flanged

Get more information:

Product catalog:
VVABR1019

See page 2

Zero Leakage Check Valve



Features

- Choice of four different elastomeric ZL ring materials
- Customized to meet Zero Leakage service requirements
- Reliable piston check valve design
- Horizontal type
- Integral hard-faced seat
- Spiral-wound gasket
- Class 800

Applications

- Logical selection for dry gas
- Excellent for low back-pressure applications
- Other difficult applications – see Product catalog listed below ring material suggestions for nearly 100 different fluids

Sizes

- ½" through 2"

Standards

- ASME B16.34

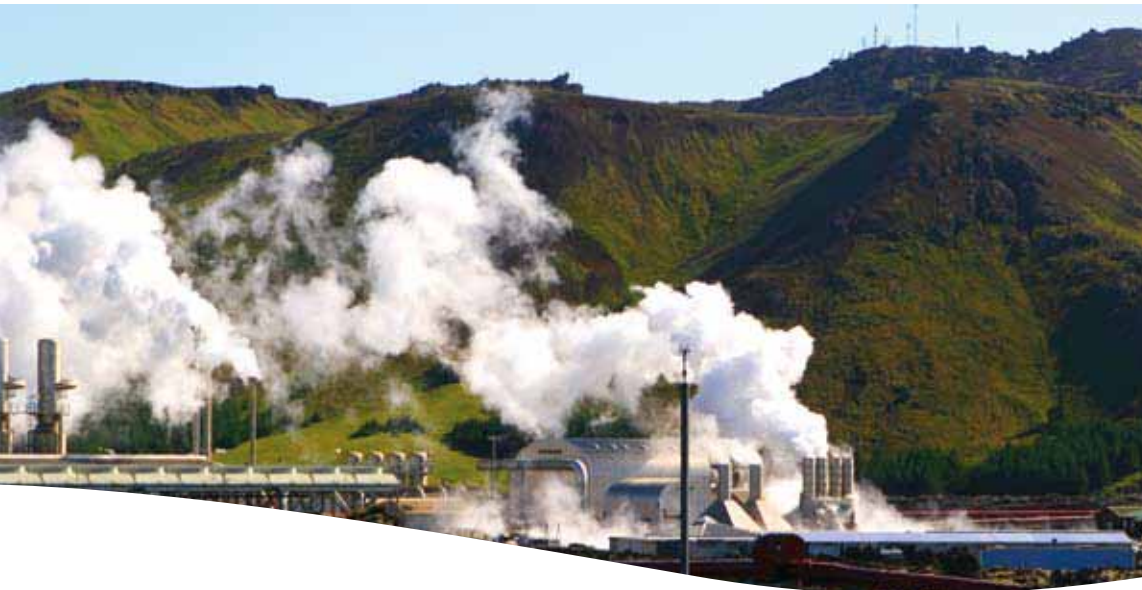
End Connections

- Female threaded
- Socket weld

Get more information:

Product catalog:
VVABR10003

See page 2



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