Since 1983, Assured Automation has been Making Valve Automation Easy for our customers. By focusing completely on valve automation, we have developed an unmatched expertise in the field, making us an invaluable resource. In addition to our standard offering of stocked components, we provide customers with special order and custom solutions to fit their unique applications. Easy selection of quality products is what our customers have come to expect — and what we strive to provide each and every time.

A Commitment to Quality

Quickly and Easily Specify a Complete Automated Valve Assembly

Use our interactive online configurator to quickly specify a valve assembly. Point and click (or tap on mobile devices) to specify the valve size, end connections, actuator, and accessories.

Standard Valves Available from Stock

Our offering of ball, butterfly, and plug valves shown in this document is based on items we keep in stock. These valves are part of our Quick-Ship program. We can, however, source a customer preferred valve and create a customized automated assembly. If you don't see the valve type that you need here, give us a call at 1-800-899-0553.

Compact, Fast-Acting, On/Off Valves

VA Series
- **Body:** Nickel plated brass
- **End Connections:** 3/8” to 2” NPT
- **Seat:** Viton®, EPDM, or BUNA
- **Seals:** Viton®, EPDM, or BUNA (same as seat)
- **Max. Pressure:** 150 PSIG
- **Max. Temperature:** 176˚F (EPDM) 302˚F (Viton & BUNA)

VAX Series
- **Control Tube:** 316 stainless steel
- **End Caps:** Brass or 316 stainless steel
- **Non-wetted Center Body:** Alum. (pneumatic); Nickel plated steel (electric)
- **End Connections:** 3/8” to 1” NPT
- **Seats:** PTFE
- **Seals:** FPM
- **Max. Pressure:** 600 PSIG
- **Max. Temperature:** 140˚F

Angle Seat Valves
- **Body:** Bronze or 316 stainless steel
- **End Connections:** 3/8” to 2” NPT or Tri-clamp
- **Seats:** PTFE
- **Seals:** PTFE
- **Max. Pressure:** 230 PSIG (steam to 150 PSIG)
- **Max. Temperature:** 358˚F

J Series
- **Body:** Brass
- **End Connections:** 3/8” to 1” NPT
- **Seat:** BUNA or EPDM
- **Seals:** BUNA or EPDM
- **Max. Pressure:** 225 PSIG (N.C.) 150 PSIG (N.O.)
- **Max. Temperature:** 176˚F (BUNA) 302˚F (EPDM)
2-way Ball Valves (all available with manual, pneumatic, or electric actuator)

**Basic On/Off Ball Valves**

**P2 Series**
- **Body:** PVC or CPVC; 3-piece; full port
- **End Connections:** 1/2” to 4” NPT or glue socket
- **Seats:** PTFE
- **Seals:** EPDM or Viton®
- **Max. Pressure:** 140 PSIG (PVC); 212 PSIG (CPVC)
- **Max. Temperature:** 140˚F

**101 Series**
- **Body:** Nickel plated brass; 2-piece; full port
- **End Connections:** 3/8” to 3” NPT
- **Seats:** PTFE
- **Seals:** PTFE
- **Max. Pressure:** 925 PSIG (lower for larger sizes)
- **Max. Temperature:** 300˚F

**26 Series**
- **Body:** 316 stainless steel; 2-piece; full port
- **End Connections:** 1/4” to 3” NPT
- **Seats:** RPTFE
- **Seals:** RPTFE
- **Max. Pressure:** 2000 PSIG (lower for larger sizes)
- **Max. Temperature:** 400˚F

**150F/300F Series**
- **Body:** Carbon or stainless steel; 2-piece; full port
- **End Connections:** 1/2” to 8” ANSI flanged 150#/300#
- **Seats:** TFM or 50/50
- **Seals:** TFM or graphite
- **Max. Pressure:** 275 PSIG (150#); 700 PSIG (300#)
- **Max. Temperature:** 475˚F

**XLB Series**
- **Body:** PFA lined ductile iron; 2-piece; full port
- **End Connections:** 1/2” to 6” ANSI flanged 150#
- **Seats:** PTFE
- **Seals:** PTFE
- **Max. Pressure:** 250 PSIG
- **Max. Temperature:** 390˚F

**SM Series**
- **Body:** Ni plated or lead free brass; 2-piece; full port
- **End Connections:** 1/2” to 2” NPT
- **Seats:** PTFE
- **Seals:** PTFE
- **Max. Pressure:** 350 PSIG
- **Max. Temperature:** 266˚F

**250LF Series**
- **Body:** Lead free brass; 2-piece; full port
- **End Connections:** 1/2” to 2” NPT or glue socket
- **Seats:** PTFE
- **Seals:** PTFE
- **Max. Pressure:** 600 PSIG (WOG) 150 PSIG (WSP)
- **Max. Temperature:** 366˚F

**36 Series**
- **Body:** 316 stainless steel; 3-piece; full port
- **End Connections:** 1/2” to 4” NPT, SW, or Tri-clamp
- **Seats:** RPTFE
- **Seals:** RPTFE
- **Max. Pressure:** 1000 PSIG
- **Max. Temperature:** 380˚F

**HPF Series**
- **Body:** Carbon or stainless steel; 3-piece; full port
- **End Connections:** 1/2” to 4” NPT or socket weld
- **Seats:** TFM or 50/50
- **Seals:** TFM or graphite
- **Max. Pressure:** 3000 PSIG
- **Max. Temperature:** 550˚F (50/50); 450˚F (TFM)

**Manual or Automated...**
Automate any ball valve with an electric or pneumatic actuator complete with solenoid valves and limit switches. *(see page 4 for actuators and accessories)*

**Flow Control Ball Valves**

**V Series**
- **Body:** Carbon steel or stainless steel; V-port
- **End Connections:** NPT, SW, ANSI flange, Tri-clamp
- **Seats:** PTFE, TFM, or 50/50
- **Seals:** TFM or graphite
- **Max. Pressure:** varies with valve style
- **Max. Temperature:** varies with valve style

**SM Series**
- **Body:** Nickel plated brass; full port with trim disc
- **End Connections:** 1/2” to 2” NPT
- **Seats:** PTFE
- **Seals:** PTFE
- **Max. Pressure:** 350 PSIG
- **Max. Temperature:** 266˚F
We Make Valve Automation Easy

3-way Ball Valves (all available with manual, pneumatic, or electric actuator)

“L” or “T” Ported Ball Valves

PTP Series
Body: PVC; full port
End Connections: 1/2” to 2” NPT or glue socket
Seats: PTFE
Seals: EPDM or Viton®
Max. Pressure: 140 PSIG
Max. Temperature: 140˚F

31D Series
Body: Brass; standard port
End Connections: 1/4” to 3” NPT
Seats: PTFE
Seals: PTFE
Max. Pressure: 400 PSIG
Max. Temperature: 320˚F

33D Series
Body: 316 stainless steel; full port
End Connections: 1/4” to 2” NPT
Seats: RPTFE
Seals: RPTFE
Max. Pressure: 800 PSIG
Max. Temperature: 400˚F

MPF Series
Body: Carbon or stainless steel; full port
End Connections: 3/4” to 6” ANSI flanged 150#/300#
Seats: TFM
Seals: TFM
Max. Pressure: 275 PSIG (150#); 700 PSIG (300#)
Max. Temperature: 550˚F

Butterfly Valves (all available with manual, pneumatic, or electric actuator)

FE Series
Body: PVC; resilient seat
End Connections: 1 1/2” to 12” wafer flange
Seats: EPDM
Seals: EPDM
Max. Pressure: 232 PSIG
Max. Temperature: 140˚F

ST Series
Body: Epoxy coated ductile iron; resilient seat
End Connections: 2” to 24” wafer or lugged flange
Seats: BUNA or EPDM
Seals: BUNA or EPDM
Max. Pressure: 225 PSIG (to 12”); 160 PSIG (14” & up)
Max. Temperature: 194˚F (BUNA); 230˚F (EPDM)

FK Series
Body: Polypropylene; resilient seat
End Connections: 1 1/2” to 12” wafer or lugged flange
Seats: EPDM or Viton®
Seals: EPDM or Viton®
Max. Pressure: 150 PSIG
Max. Temperature: 212˚F

HP Series
Body: Carbon or stainless steel; high performance
End Connections: 2” to 24” wafer or lugged flange
Seats: RPTFE
Seals: RPTFE
Max. Pressure: 285 PSIG (150#); 740 PSIG (300#)
Max. Temperature: 450˚F

XLD Series
Body: PFA lined ductile iron
End Connections: 2” to 12” wafer or lugged flange
Seats: PFA
Seals: PFA
Max. Pressure: 150 PSIG
Max. Temperature: 400˚F

3-way Tee Assemblies with Butterfly Valves Are Available as Special Order.
Call 1-800-899-0553

Need a Larger 3-way Valve?

We Make Valve Automation Easy
Plug Valves (all available with manual, pneumatic, or electric actuator)

**061 Series**
- **Body & Plug:** PFA lined ductile iron
- **End Connections:** 1/2” to 4” ANSI flanged 150#
- **Seals:** PTFE
- **Max. Pressure:** 29 inHg vacuum to 250 PSIG
- **Temperature Range:** -4˚F to 400˚F

**067 Series**
- **Body & Plug:** Carbon or stainless steel
- **End Connections:** 1/2” to 4” ANSI flanged 150#
- **Sleeve:** PTFE
- **Seals:** PTFE
- **Max. Pressure:** 275 PSIG
- **Max. Temperature:** 400˚F

Valve Actuators & Accessories

### Pneumatic Actuators

**O Series**
- **Mechanical Style:** Dual scotch yoke
- **Operation:** 90˚ Spring return or double acting
- **Housing:** Aluminum with corrosion resistant coating
- **Supply Air Pressure:** 40 to 120 PSI
- **Ports:** 1/4” NPT in NAMUR pattern
- **Torque:** up to 25,600 in/lbs.

**F Series**
- **Mechanical Style:** Rack and pinion
- **Operation:** 90˚ Spring return or double acting
- **Housing:** Epoxy coated aluminum
- **Supply Air Pressure:** 40 to 120 PSI
- **Ports:** 1/4” NPT in NAMUR pattern
- **Torque:** up to 59,000 in/lbs.

### Electric Actuators

**CE Series**
- **Operation:** 90˚ On/Off or modulating
- **Housing:** Polycarbonate plastic (ABSPC); IP54 (indoor)
- **Voltage:** 12 or 24 VDC; 24 VAC
- **Torque:** 100 in/lbs.

**R4 Series**
- **Operation:** 90˚ On/Off
- **Housing:** Diecast aluminum alloy; NEMA 4/4X
- **Voltage:** 12 or 24 VDC; 24, 120, or 220 VAC
- **Torque:** 300 or 600 in/lbs.

**K4 Series**
- **Operation:** 90˚ On/Off or modulating
- **Housing:** Diecast aluminum alloy; NEMA 4/4X
- **Voltage:** 120 VAC or 24 VDC
- **Torque:** 174 to 8,680 in/lbs.

### Actuator Accessories

**NAMUR Solenoid Valves**
- **Function:** 3-way 2-position or 3/4-way 2-position
- **Voltages:** 12 or 24 VDC, or 24, 115, or 220 VAC
- **Coil/Enclosure Ratings:** NEMA 4X or NEMA 7
- **Connectors:** Cord-grip, potted, or NPT

**Positioners**
- Pneumatic (3-15 psi) and electro-pneumatic (4-20 mA) models with or without feedback units

**Limit Switches**
- **Switch Types:** Proximity sensor or mechanical
- **Enclosure Ratings:** NEMA 4/4X or NEMA 7

**Control Boxes**
- NEMA 4/4X weatherproof control boxes with switches and indicator lamps.
Manual Valves with Limit Switches

All ball, butterfly, and plug valves are available as manual valves with various limit switches. Below are the most commonly ordered manual valves with limit switches. They are all available to configure online.

**Any of these Valves...**

- 26 Series
- 36 Series
- 33D Series
- 150/300F Series
- ST Series

**With any of these Limit Switches...**

- UB Series
- SO Series
- YX Series

We Make Valve Automation Easy

Configure One Online.
If you need a different valve or limit switch...
Call 1-800-899-0553

Thermal Shut-off Valves

From simple dedicated isolation valves triggered by fusible links to more advanced ESD valve assemblies, Assured Automation offers a complete range of thermal shut-off valves.

**FM Fire-Safe Series**
Fusible Link Shut-off Valves

- Fire-Safe ball and butterfly valves
- Manual valve with removable handle
- Spring-loaded canister provides emergency actuation
- Thermal or electro-thermal fusible links
- 5 trigger temperatures available
- Trigger to open or closed

**FireChek® Series**
Heat Activated Pneumatic Shut-off

- Compact design is easily retro-fit
- Vents actuator and stops supply air
- Testable and resettable
- 3 trigger temperatures available
- Adds thermal shutoff to spring return actuators
- Configurations to function on any size actuator
- 1/4” NPT connections, 316 SS construction

**ESD Series**
Emergency Shutdown Valves

- Fire-Safe ball valves with NPT, Socket Weld, or ANSI Flanged Connections
- Valve maintains original functionality whether it is on/off or modulating
- NEMA 7 switches and solenoid valves
- Declutchable manual override available
- Trigger to fail open or closed
- Testable and resettable via FireChek®
Flow Meters

**Mechanical Meters** (Non-resettable Totalizers - Pulse Output Optional)

**WM-PC Series**
- **Body:** Plastic
- **Line Sizes:** 1/2" to 1 1/2" NPT male
- **Flow Ranges:** 1-15 gpm to 8-120 gpm
- **Max. Pressure:** 150 PSIG
- **Max. Temperature:** 105˚F
- **Units of Measure:** Gallons or cubic feet

**WM-NLC Series**
- **Body:** Lead free EcoBrass
- **Line Sizes:** 1/2" to 2" NPT male (only 3/4" from stock)
- **Flow Ranges:** 1-15 gpm to 8-120 gpm
- **Max. Pressure:** 150 PSIG
- **Max. Temperature:** 122˚F
- **Units of Measure:** Gallons or cubic feet

**WM-NLCH Series**
- **Body:** Lead free EcoBrass
- **Line Sizes:** 1/2" to 2” NPT male
- **Flow Ranges:** 1-15 gpm to 8-120 gpm
- **Max. Pressure:** 150 PSIG
- **Max. Temperature:** 194˚F
- **Units of Measure:** Gallons

**WM-NLD Series**
- **Body:** Lead free brass
- **Line Sizes:** 1/2" to 1" NPT male; 1 1/2" to 2” flange
- **Flow Ranges:** 1-20 gpm to 8-160 gpm
- **Max. Pressure:** 150 PSIG
- **Max. Temperature:** 122˚F
- **Units of Measure:** Gallons

**WM-PD Series**
- **Body:** Epoxy coated Bronze
- **Line Sizes:** 1/2" or 3/4" NPT male
- **Flow Ranges:** 6.6-660 gph to 10.6-1056 gph
- **Max. Pressure:** 150 PSIG
- **Max. Temperature:** 105˚F
- **Units of Measure:** Gallons

**WM-PT Series**
- **Body:** PVC; pipe mounted or insertion
- **Function:** Rate, total, and batch
- **Line Sizes:** 1/2” to 8”
- **Flow Ranges:** 0.6-15 gpm to 250-3200 gpm
- **Max. Pressure:** 200 PSIG
- **Max. Temperature:** 120˚F

**A1 Series**
- **Body:** Nylon or aluminum
- **Function:** Rate, total, and batch
- **Line Sizes:** 1" or 2" NPT
- **Flow Ranges:** 0.3-300 gpm
- **Max. Pressure:** 150 PSIG (nylon); 300 PSIG (aluminum)
- **Max. Temperature:** 130˚F

**01A Series** (fuel)
- **Body:** Aluminum
- **Function:** Totalizer only (resettable)
- **Line Size:** 1" NPT
- **Flow Range:** 3-30 gpm
- **Max. Pressure:** 300 PSIG
- **Max. Temperature:** 130˚F

**01N Series** (water)
- **Body:** Nylon
- **Function:** Totalizer only (resettable)
- **Line Size:** 1" NPT
- **Flow Range:** 3-30 gpm
- **Max. Pressure:** 150 PSIG
- **Max. Temperature:** 130˚F

**TM Series**
- **Body:** PVC
- **Function:** Rate, total, and batch
- **Line Sizes:** 1/2” to 4” NPT, spigot, or ANSI class 150
- **Flow Ranges:** 1-10 gpm to 60-600 gpm
- **Max. Pressure:** 150 PSIG
- **Max. Temperature:** 130˚F

**G2 Series**
- **Body:** Nylon
- **Function:** Rate, total, and batch
- **Line Sizes:** 1/2” to 2” NPT, tri-clamp, ANSI class 150
- **Flow Ranges:** 1-10 gpm to 20 to 200 gpm
- **Max. Pressure:** 150 PSIG
- **Max. Temperature:** 130˚F
**Why Assured Automation?**
We employ an experienced team that is focused completely on valve automation. In addition to our experience, we have long running relationships with many leading valve manufacturers.

Working with Assured Automation will save you time on research and development, producing complete technical specifications, and sourcing the necessary components. When a unique application requires a special solution, Assured Automation will allow you to proceed with confidence.

**Custom Valve Assemblies**
We have been helping customers develop custom solutions since we opened in 1983. Whether we are constructing a unique assembly using components that we stock for basic valve automation or sourcing hard to find specialty valves, we work closely with you to develop the best possible solution. After development is complete, we build, test, and deliver the approved automated valve assemblies.

**Automated Valve Projects**
When building a new system or upgrading an existing one, there are usually a large number of automated valves involved. Our valve automation experts will help you select the proper valves for every need.

**We Will Help You Make Strategic Decisions Regarding:**
- Selecting the proper valve and actuator for each application
- Reducing initial costs and cost of operation
- Simplifying inventory by standardizing components
- Avoiding excessive downtime for maintenance
- Developing a proper maintenance schedule

**Some of the Benefits That Our Customers Enjoy Are:**
- Configuring their own assemblies and instant quotes online
- Fast quotes provided on all products
- One-click ordering of quotes
- Complete documentation is readily available on our web site
- Custom tagging of assemblies for use in P&ID drawings, HMI interfaces, and maintenance logs
- Same day shipping of assemblies using stocked components
- Knowledgeable and friendly expert support

**Need a Custom Solution?**
Call us today to speak with an automated valve expert

1-800-899-0553