

Plastic Valves

Ball Valve



Type 21 (True Union Style)

Ball valves perform a quarter turn on/off or modulating function. A flow-controlling ball located within the body of the valve contains a hole through its center along one axis, which connects the inlet and outlet ports of the body. The ball itself is held in place by, and rotates 90° within, PTFE seats. In the open position, the flow is straight through with minimal pressure drop as long as the porting through the ball is the same size as the inside diameter of the pipe.

Features and Benefits:

- Pressure rated up to 230 psi (PVC, CPVC, PVDF).
- Double O-ring seals on stem for an added protection.
- Full bore, sizes ½" – 2".
- Full vacuum rated, all sizes.
- Blocks in two directions, upstream and downstream, leaving full pressure on the opposite end of the valve.
- Integrally molded ISO mounting pad for both manual and actuated operations.
- Integrally molded base pad to mount valves securely or panel mounting.
- PTFE seats with elastomeric backing cushions ensure bubble-tight shut-off and a low fixed torque, while at the same time compensating for wear.
- True Union design for easier installation or repairs without expanding the pipe system.
- Two sets of end connectors (socket and threaded) included with all PVC and CPVC valves in sizes ½" – 2".
- NSF-61 Certified - Size: ½" - 4", Material: PVC, EPDM, FKM.



Style P Gate Valve

PVC Ball Check Valve



Type 360 (True Union Style)

Check valves are used to prevent the reversal of flow in a line. When open and under flow pressure, the checking mechanism will move freely in the media, offering very little resistance and minimal pressure drop. The Asahi/America ball check valve employs a free moving ball, which unseats to permit flow in one direction, but seals against a seat to prevent backflow.

Features and Benefits:

- Uniseat/seal of EPDM or FKM.
- Ball is the only moving part. It unseats to permit flow in one direction but seals against seat to prevent backflow.
- May be used vertically or horizontally.
- Minimum shut-off of 5 psi.
- All sizes rated for full vacuum service.
- Solid thermoplastic ball.
- NSF-61 Certified - Sizes: ½" - 2", Material: PVC, EPDM, FKM.

PVC Gate Valve

The gate valve is the most widely used on/off valve for large diameter, full port applications. When the valve is fully open, it allows straight passage through an opening that is essentially the same size as the inside diameter of the connecting pipe, so there is little pressure drop through a gate valve. The valve operates when the handwheel and stem screw (or electric actuator) move a cylindrical plug, (the gate), up and down at right angles to the fluid flow. Asahi/America's unique sliding plug design provides a larger seating area than conventional gate valves, so it can be used for throttling.

Standard Features:

- Straight-through flow with minimal pressure drop.
- Unique sliding cylindrical plug design provides larger seating area than conventional gate valves.
- No metal to media contact anywhere in valve.
- Clean-out (drain) plug in bottom area of valve body in models with polypropylene gate.
- Rated for full vacuum service.
- Lightweight for easier and economical installation.
- Positive bubble-tight shut-off.
- Visual position indicator.