

Butterfly Valves

Butterfly valves are ideal for clean-in-place food and beverage applications. They are offered in a wide range of sizes in both 304 & 316L to meet many diverse applications. Steel & O'Brien butterfly valves are proven to be reliable in high-viscous, high-temperature, and corrosive environments. Standard clamp or butt weld end connections are offered and other end connections are available upon request.

Features:



Low resistance to product flow.

Bi-directional flow control.

Suitable for low to high viscosity fluids.

EPDM, Silicone, and Viton replacement seats and handles available.



Ball Valves

Ball valves are quarter-turn, straight through valves that utilize a ball to restrict flow by sealing around matching valve seats. Ball valves are utilized in situations where complete shut-off is required. They offer ease of operation and are able to maintain and regulate high pressure, high volume, and high temperature flow. Steel & O'Brien offers these fully encapsulated, rugged, and dependable valves in 316L with a variety of end connections.

Features:



Nylon handle cover allows hand operation at higher temperatures.

Available in a wide variety of end connections including clamp, weld, and flange style.



Check Valves

Check valves are designed to allow product flow in one direction while preventing flow in the opposite direction. Check valves are fully automatic, the line pressure keeps the valve plunger in the open position. When line pressure drops or there is reverse flow, the valve spring will cause the plunger to firmly seat thus closing the valve. Steel & O'Brien offers these 316L precision machined valves in concentric (vertical) and eccentric (horizontal) configurations with a variety of end connections.

Features:



Works well in high or low pressure systems.

All wetted surfaces polished to 32Ra or better.

Field serviceable with no special tools required.



Sight Glasses

Sight glasses provide a clear view of product flow through process lines. Made with borosilicate (Pyrex®) glass and sealed with buna gaskets, Steel & O'Brien sight glasses are available in many end connections including: clamp, bevel seat, I-line, Q-line, and flange style. They are also available with an optional protective acrylic shield to prevent breakage of the glass from inadvertent contact.

Features:



Wide range of viewport materials available including: acrylic, pvc, and polycarbonate.

Other gasket materials also available. (PTFE not recommended)



Sample Valves

Sample valves allow a sample of product to be taken directly from process lines. Available in both inline and right angle configurations, all sample valves are supplied with an FDA approved viton stem seal. Tapered clamp connections help prevent product backflow on inline valves. All wetted parts are 316L stainless with a 32Ra or better finish. Inline valves are also available in eccentric positions for applications where product flow rate may be low.

Features:



Nylon nut cover allows hand operation at higher temperatures.

Available in a wide variety of end connections.

Set screw stop prevents accidental removal of valve stem from valve body.

Air Blow Check Valves

Air blow check valves are used to clean product lines through the use of pressurized air. The simple design uses the supplied air to open the valve. When the air supply is removed, a spring closes the valve. The clamp connection allows for quick assembly/disassembly for cleaning and replacement of filter media. Steel & O'Brien offers sample valves with various air connections including quick disconnect style, female pipe thread, or hose barb.

Features:



Field serviceable with no special tools required.

Approved for 3A Accepted Practice 604-05 for supplying air under pressure in contact with milk products when filter disc is used.

