



W75CP PMO

Double-Seat Mix Proof Valve for Continuous Processing



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Waukesha Cherry-Burrell has developed an advanced PMO design to maximize production time and cleaning flexibility. The W75CP is a double-seat PMO mix proof valve for dairy applications suitable for safe separation of product from CIP solution including single seat-lift operation.

This is an extension of our W75RS double-seat PMO mix proof valve which is in use in dairy processes throughout North America.



Benefits

PMO Section 15p(B) compliance for Safe separation of product from CIP, including compliance for single seat-lift separation during opening and closing. radially-sealed for minimal spillage - minimizes cleaning requirements.

Fully independent operation and cleaning of either the upper or lower housing

- Demonstrated ability to clean all product-contact surfaces without full actuation of the valve
- Allows greatest flexibility in cleaning to maximize production time

Secure, reliable protection of milk products during opposite-body seat lifting with SPRAY BLOCKER technology inside the critical isolation cavity

- Not dependent upon complicated internal flow dynamics
- Designed for active plant environments with only (3) mix proof seals and same reliability as our W75RS
- No cumbersome flush piping or adapters required
- Less CIP flow lost during seat lifting due to flow-control design

Safe and easy to maintain:

- Finger-safe features, no pinch points
- * Caged actuator spring as recommended and requested by state inspectors

Robust, machined-from-bar design

- Superior cleaning and flow performance
- (6) Teflon bearings; largest support surface of any design
- Balanced design for resistance to hydraulic shock

Reliable, full featured control tops

- Robust stainless steel bases and see through acrylic tops
- Lift off design allows removal without disassembly or operator exposure to electrical controls
- Available with or without solenoids and bus communications

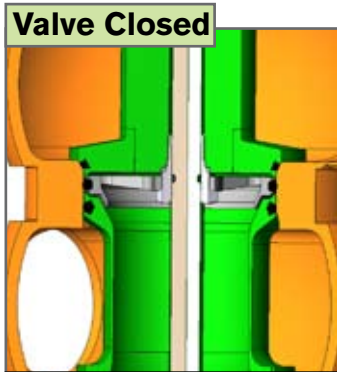
Independent fixed seat-lifting of both valve seats is integrated into the actuator

Patent Pending

Applications

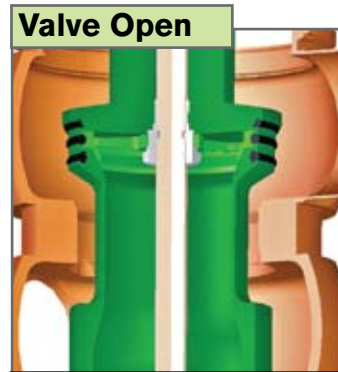
- Raw Receiving
- Raw storage and handling
- Supply and discharge on HTST/ Pasteurization
- Filler supply lines
- Batching system ingredient feeding
- Batching/ blending distribution
- CIP supply and return distribution

Safe Separation Using Blocker Technology



Valve Closed

The W75CP is a double-seat mix proof with (2) blocking seats separated by a full-ported, atmospheric vent cavity. Between the valve plugs, a radially-sealed SPRAY BLOCKER operates to physically block impingement of seat lifting sprays from one seat onto the opposite held seat.

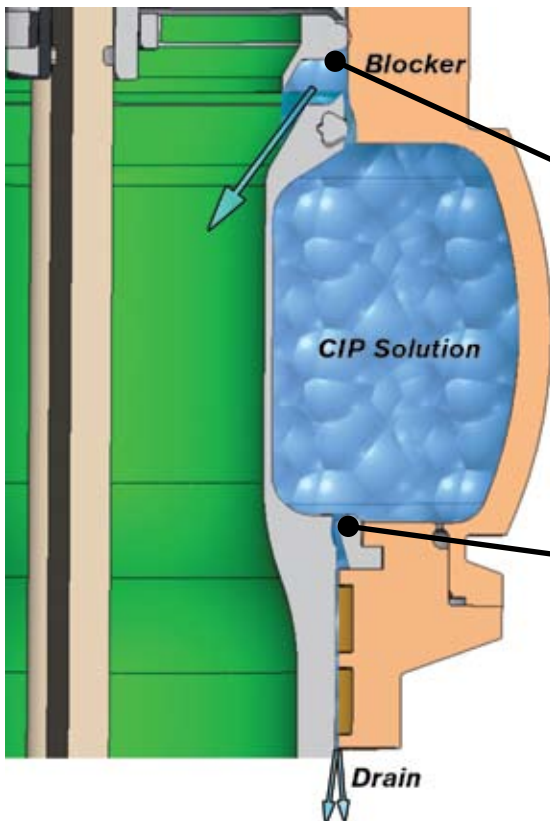


Valve Open

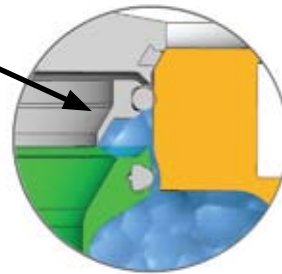
In the open position, the valve plugs and SPRAY BLOCKER form a ridged, metal-to-metal stack. Superior flow performance and cleanability is achieved by long-radius internal construction and minimized crevices.

Full Cleaning without full actuation for maximum flexibility and production time

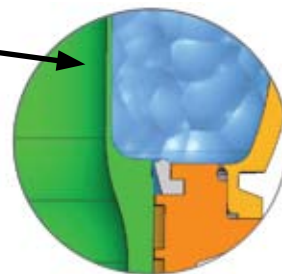
The W75CP valve design features the ability to clean all product contact surfaces without requiring a full open/closed actuation. Seat lifting cleans the valve cavity and seats plus the product-contact portion of the lower balancer.



For Lower Seat Lift, the lower stem is pushed downward. Flow channels machined into the body bore and balancer, direct cleaning solution into the vent cavity and down along the lower balancer. The channel design optimizes cleaning while minimizing loss of cleaning solutions.



The SPRAY BLOCKER physically blocks lower seat lift sprays and protects the upper seat. Machined flow channels and plug-to-body clearances control CIP flows to prevent pressurization and excessive solution loss.

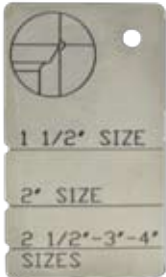


Machined flow channels in the lower balancer direct controlled CIP flows to clean that portion of the balancer exposed to product when opened. No auxiliary flush tubing or adapters required.

Unique Visual Confirmation System

Plant personnel can easily monitor the status of their PMO double-seat mix proof valves by confirming:

1. Proper assembly of the valve and operation
2. Proper settings of the electronic feedback switches
3. No visible leaks



To assist in this, all W75CP PMO double-seat mix proof valves are shipped with a multi-functional test gauge that is clipped to the valve.

No advanced mechanical skills or equipment is required. Simple, visual confirmation is available on all W75 Series PMO Mix proof Valves.

Fail Safe Controls

Both valve plugs are position detectable. W75CP valve are configured with (3) proximity switches as standard. The durable see-through control top can be removed with disassembly so operators are not exposed to powered, electronic internals. Available with or without solenoids, bus and network card options.



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- Dependable spare parts - made and stocked in Wisconsin
- Nationwide Service network



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