

Brochure – ASEPCO Product Line

ASEPCO™ Aseptic Solutions

A Full Line of Products for Aseptic Processing



You know us for our **Weirless Radial-Diaphragm Tank Valves**,
Look inside for our

Weirless Radial-Diaphragm Inline Valves

Vessel & Inline Connectors

Diaphragms & Actuators

www.ASEPCO.com

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The ASEPCO Product Line

ASEPCO Weirless Radial-Diaphragm Valves

- ▲ All ASEPCO valves use radial diaphragms
- ▲ Up to 80% reduction in maintenance costs due to fast (less than a minute) diaphragm swaps
- ▲ Standard assembly with simple clamps—no tools or torquing required
- ▲ Integrated, non-adjustable travel stops end the need for adjusting
- ▲ Manual and pneumatic actuators available for nearly every valve

About ASEPCO Products

- ▲ ASEPCO products are made with the highest quality materials to provide the best performance and longevity possible
- ▲ All ASEPCO products are designed to perform flawlessly in applications where leakage, deadlegs, and contamination are unacceptable
- ▲ All products meet ASME BPE, VIII, CE-PED, and EU standards
- ▲ All metallic products are available in a variety of materials (**BPE 1.4435/316L**, AL6XN, and Hastelloy) and finishes
- ▲ Material traceability is available for all contact surfaces
- ▲ Hundreds of standard product configurations available, along with a very large selection of customizable features

ASEPTIPORT Manifold

I-Sample Valve

Tank-Bottom Valve

Inline Valve

Sample Valve

ASEPCONNECT Vessel Connector



Tank-Bottom Valve Family

These valves have a 90° (angled) flow path.

Many valve body configurations are available, including custom machined flanges to fit your existing equipment.

Standard and custom multiple port arrangements are available.



4 inch



ASEPCO Weirless Radial-Diaphragm Insulate Valve

- ▲ Use with freeze tanks or any tank that has a critical temperature control mission
- ▲ Extended body allows for direct welding of vessel jacket



ASEPCO Weirless Radial-Diaphragm Tangential Valve

- ▲ Use in situations where a tank valve needs to be mounted off-center
- ▲ Easy to clean and eliminates pooling in the tank



2 inch

ASEPCO Weirless Radial-Diaphragm Tank-Bottom Valve

- ▲ Can be ordered with up to three ports to allow it to be CIP/SIP or flushed while closed



ASEPCO Weirless Radial-Diaphragm Retrofit Valve

- ▲ Use to add ASEPCO valves to existing tanks
- ▲ Many different designs to fit your specific situation



ASEPCO Weirless Radial-Diaphragm Sterillite™ Valve

- ▲ A special steam port added to our standard Tank-Bottom Valve
- ▲ Totally eliminates dead legs associated with steam or cleaning fluid ports on closed valves

Sampling Valve Family

Unique ports along with "sample and steam" valve bodies allow through-the-chamber CIP/SIP while the valve is closed, ensuring representative sampling.

Excellent drainability due to specialized valve chamber shape.

Valve sizes: 0.5"



ASEPCO Weirless Radial-Diaphragm Sample Valve

- ▲ Can be clamped in or welded into place



ASEPCO Weirless Radial-Diaphragm I-Sample Valve

- ▲ Threads onto a 25-mm Ingold port
- ▲ Clamp-on versions available for easy change out and maintenance

Inline Valve Family

We've applied our contamination-free, radial-diaphragm technology and easy-to-use clamp assembly to weirless valve configurations.

These valves have a 180° (straight) flow path.

We can create custom assemblies to fit your specific application.



ASEPCO Weirless Radial-Diaphragm Inline Valve

- ▲ It has a 180° install angle with full drainability
- ▲ Overall length meets industry standard



ASEPCO Weirless Radial-Diaphragm Block and Bleed Valve

- ▲ Two Weirless Diaphragm Valves machined together to shorten the area between the valve seats
- ▲ Provides excellent isolation of system fluid and the ability to bleed off fluid downstream of the valve



ASEPCO Weirless Radial-Diaphragm Sterile Access Valve

- ▲ A standard Weirless Diaphragm Valve with a port providing two flow paths in one valve
- ▲ Eliminates several connection fittings and minimizes hold up volume

Take-off Valve Family

Valves designed for sampling, draining, transfer, or diverting with minimal impact on critical systems



ASEPCO Weirless Radial-Diaphragm Zero Dead Leg Valve

- ▲ The tip of the diaphragm is sealed on the ID of the line tubing to minimize hold-up in point-of-use applications



ASEPCO Weirless Radial-Diaphragm Point of Use Valve

- ▲ A U-shaped valve designed to promote drainage and eliminate dead legs and process steam stagnation for critical systems such as WFI and purified water

Process Valve Family

Valves designed to address challenging piping requirements



ASEPCO Weirless Radial-Diaphragm Process Valve

- ▲ Used in process lines where the flow path changes 90° and where you need to control the flow
- ▲ Designed to fit into tight piping areas
- ▲ Can be clamped to the bottom of a tank



ASEPCO Weirless Radial-Diaphragm Divert Valve

- ▲ Creates a division or blending of two or more lines in a single valve
- ▲ Decreases need for complex valve assemblies
- ▲ Provides full CIP/SIP capability

ASEPCO Close-Couple Aseptic Connectors

- ▲ These weld-in and in-line connectors allow connection of multiple clamp devices including probes and instrumentation
- ▲ Flush-mount design can be cleaned during standard CIP cycles
- ▲ Vessel connectors have large outside diameters that avoid warping
- ▲ Vessel connectors available in custom thicknesses and tank ID angles
- ▲ Available in a variety of sizes



Vessel Connectors

Inline Connectors



ASEPTIPOINT Manifold

Attaches to any 4-inch ASEPCONNECT or QUICKCONNECT Vessel Connector to accommodate multiple probes through one connector on your vessel

ASEPCONNECT™ Connectors

Monel studs prevent galling

QUICKCONNECT™ Connectors

No tools required for this clamp-style connectors



ASEPCO Diaphragms

- ▲ Diaphragm replacement is done with a hygienic clamp that never needs adjusting—our clients report a 80% reduction in maintenance costs
- ▲ Patented valve architecture includes a unique radial diaphragm that forms three seals with the valve: the seal at the inlet, a seal with the compound shoulder, and an O-ring seal at the bottom of the valve chamber
- ▲ Available in eight materials to cover nearly every temperature, pressure, and chemical challenge: Silicone, Silicone Plus (Parylene treatment), EPDM, EPDM Plus (Parylene treatment), Viton A, Viton A (steam resistant), Viton GF, and PTFE
- ▲ All diaphragms meet USP VI standards and are FDA CFR 177.2600 compliant

ASEPCO Actuators

- ▲ Manual or compact pneumatic
- ▲ Field serviceable
- ▲ Machined from solid stainless steel bar stock
- ▲ Optional extension handle available for manual actuator
- ▲ Optional limit switch available for pneumatic actuator (ASEPCO, Stonel, Westlock, ASCO)
- ▲ Multiple colors available for plastic handles

Tank-Bottom Valve Styles



Weirless Diaphragm Valve Styles



About ASEPCO...

ASEPCO was founded in early 1989 with a mission to design and manufacture the highest quality products in the industry.

In addition, we are committed to provide the best service possible to our customers.

Our company objectives are to:

- ▲ Design and manufacture the highest quality products we can.
- ▲ Solicit and promptly act on our customers' feedback on products and services.
- ▲ Support our customers with the strongest guarantees in this industry:
A lifetime free replacement of any broken ASEPCO Tank Valve

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