

BEVERLY PACIFIC STERILIZER CHAMBERS

APPLICATION

ARS/Beverly Pacific chambers are designed to meet the most rigorous standards of strength, durability and functionality. ARS/BP chambers are utilized in the construction of ARS general purpose, prevacuum, instrument washer, automatic washer, 12/88 ethylene oxide and 100% ethylene oxide sterilizers for hospital or industrial use.

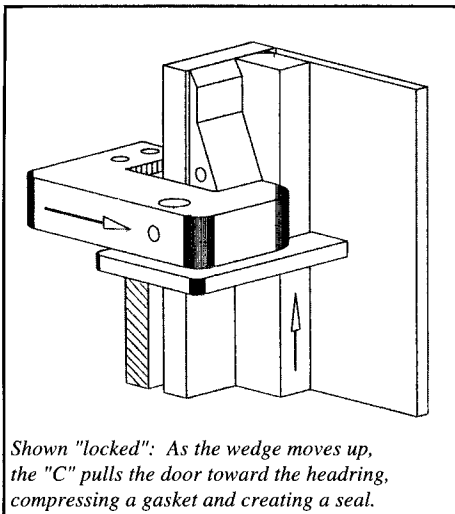
FEATURES AND BENEFITS

- Standard fabrication from 316L stainless steel to reduce potential reactivity. Fabrication from 304 stainless steel is available to meet tight budgets. Nickel clad chambers are available for high chloride environments.
- Flush ground welds and a "number 4" finish minimize potential of substances lodging on the surface. Higher polish finishes are available for the most demanding applications.
- T-beam reinforced, single wall construction insures strength, durability and serviceability.
- Standard sizes range from 3.9 cubic feet to 20 pallet loading configurations.
- Field or factory based engineers available to assist in the design of custom configurations.
- Removable carbon steel jacket elements provide uniform heating to all walls of the chamber optionally including the door(s). Removable jacket elements avoid chamber deterioration due to jacket oxidation as each jacket element can be removed and replaced. They extend chamber life by permitting easy access to the chamber exterior for welding. For special applications, fully jacketed chambers are available. Jacket elements or full jackets can be provided in 304 or 316L stainless steel.
- Doors are also T-beam reinforced for comparable durability and strength.
- Power operated side or vertical sliding doors with gaskets mounted on the doors save space, reduce heat in the work area, protect workers from burns and protect gaskets from accidental damage. Optional power or manually operated hinged doors are available to meet space requirements.
- Chamber headrings and doors are carefully ground and fitted with a solid, compression type silicone gasket to permit reliable sealing.
- Power or manually operated wedge-lock doors and solid silicone gaskets are not dependent on any external power source to maintain a seal resulting in fail-safe operation.
- Wedge lock doors incorporate very few moving parts which ensures reliable performance and reduces service requirements. In the unlikely event of an accidental opening under pressure, the wedge lock door is designed to completely contain the door and permits steam to be released safely around the door away from the work area.
- Units can be configured for recess or cabinet mounting with optional microbial barrier flanges available. Larger units can be pit or surface mounted.
- Loading equipment options include various shelving arrangements, load car/transfer carriages, floor level carts or internal conveyor systems to meet virtually any customer need.

PRINCIPLES OF DESIGN

Standard ARS/BP chambers are constructed from single wall stainless steel which is formed in two "J" shaped sections and longitudinally welded to form the chamber shell. Solid stainless steel headrings are welded onto the chamber shell. A series of T-beams are welded around the shell, sized and spaced to meet the performance rating of the pressure vessel. Doors are similarly formed with a single plate of stainless steel, reinforced with T-beams. A gasket groove is constructed by welding formed bars onto the inside surface of the door. The vessel headring and door sealing surfaces are then precision ground to form mating sealing surfaces.

Attached to the chamber and/or door (depending on the closing style and mechanism) are a series of "C"s which are designed to contain the door against the chamber headring at pressures that exceed at least twice that of normal operation. Each "C" is adjustable to ensure optimal sealing. Doors are either hinged, vertical sliding or side sliding and are either manually or power operated. The locking

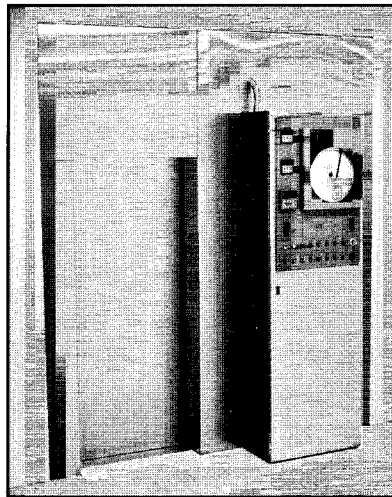


Shown "locked": As the wedge moves up, the "C" pulls the door toward the headring, compressing a gasket and creating a seal.

mechanism consists of a series of wedges, one for each "C", attached to a wedge bar. The wedge bar is either manually or power driven, forcing each "C" to draw the door against the headring of the chamber. The solid silicone gasket compresses, forming a seal.

SIZES

- Standard sizes to meet virtually any competitive specification
- Custom sizes to individual specification



ARS/BP PVC/GMP Double Door Side Slider

CODES AND APPROVALS

ARS/BP chambers are designed to comply with ASME requirements for pressure vessels and are "U" stamped. "U1" certifications are available upon written request.

WARRANTY

Fifteen years parts and labor for chambers with removable jacket elements, ten years parts and labor for fully jacketed chambers (see your local ARS representative for details).

YOU CAN RELY ON ARS

ARS ENTERPRISES, founded in 1971, has established itself as the premier manufacturer of custom designed small and medium size steam and gas sterilizers. **Beverly Pacific**, founded in 1948, has engineered and manufactured large industrial steam and gas sterilizers of incomparable durability. Now, you can have it all - standard or custom designs of virtually any size, to run all standard and unlimited custom cycles, with a range of control options never before available.

Our philosophy is to provide dependable equipment incorporating high quality components. The ARS/BP team is dedicated to the highest standards of workmanship. Our pride rests on your satisfaction with the products and service we provide. We believe that with ARS/BP you can achieve many years of reliable performance and an overall low cost of ownership.

For information on ARS products or service, or for the name of the ARS representative in your area, please contact us at: 800/RELY-ARS [735-9277] or www.RELY-ARS.com.

We work well under pressure.



ARS ENTERPRISES

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