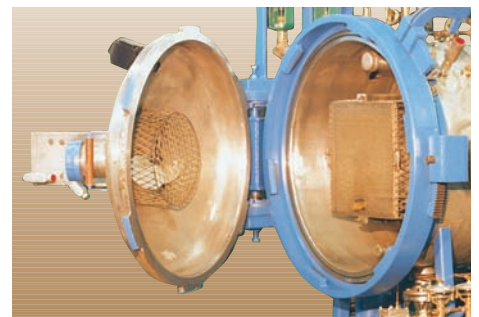
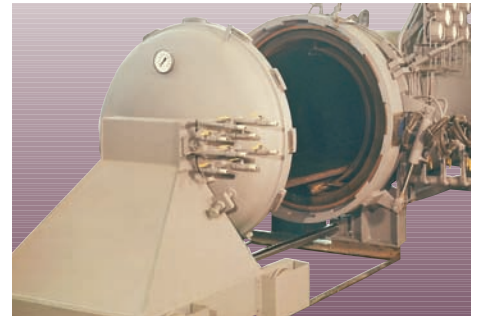


Patented Quick Access Closures that Operate from the Side, Top or Bottom



Locks and Unlocks in Seconds

Fast, rugged and trouble-free, RAPIDOOR provides quick access and positive sealing for virtually all types of cylinders, tanks and vessels, including autoclaves and other pressurized enclosures.

Custom manufactured to the design specifications in your required size, RAPIDOOR is available in a wide range of opening access styles and in circular or rectangular configurations.

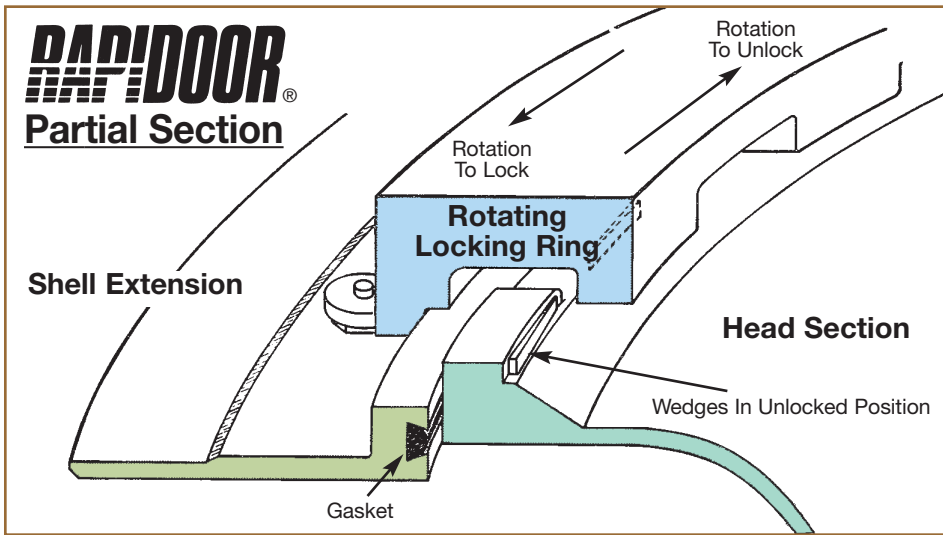
RAPIDOOR incorporates a variety of special and patented construction features. It is available in carbon, clad or stainless steel, aluminum, nickel, Hastelloy and other metals. Fabrication meets Section VIII, ASME Code Requirements.

RAPIDOOR can be automated or operated remotely. Locking rings can be rotated mechanically, hydraulically, pneumatically or electrically.

Safety interlocks prevent unlocking while a vessel is under pressure. They also prevent process inception until the RAPIDOOR closure is locked securely. Safety interlocks can be mechanical, electrical or other types. The mechanical safety warning interlock is patented.

Used in thousands of installations worldwide, RAPIDOOR is designed for full-diameter primary access and for secondary access as charging and discharge ports. Several innovative styles and optional features are available.

RAPIDOOR provides a secure, positive closure with rapid access.



Operating Principle

RAPIDOOR features a unique wedge-lock, breech-action design that provides fast, safe and trouble-free opening and closing of access doors.

It consists of three major components: the head section, rotating locking ring and shell extension. The locking ring is positioned over the shell extension where it is free to rotate. Hardened wedges with opposing tapers are attached to the lugs of both the head and locking ring sections.

When open, the two wedge systems are completely disengaged. When the locking ring turns, the wedges engage or disengage. The force created by the wedge engagement brings the shell flanges into parallel contact, creating an immediate, positive seal.

Since there is no rotation of either seal flange, abrasion of the gasket by a rotating flange is impossible.

Styles to Meet Specific Needs

- Horizontal Side Hinge Right or Left Hand
- Horizontal System with Front and Back Closures
- Horizontal Davit Hinge
- Vertical Lift Swing (Post Davit)
- Vertical Clamshell
- Vertical Slide
- Side Slide
- Space-Saving Modified Davit

WSF Support

With more than 60 years of experience, WSF has the know-how and capability to provide outstanding service in the design, quotation, engineering, production and delivery of RAPIDOOR. We can work in small or large volumes and will provide manuals and training for the installation, operation and maintenance of RAPIDOOR closures. We stand behind our products and our customers.

For more information about RAPIDOOR and other WSF capabilities, contact us today!

RAPIDOOR is available in a variety of design styles to meet space and application requirements.

