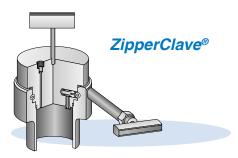




## **Pressure Vessel**

## **Closure Style Comparison**

Parker Autoclave Engineers' offers three basic vessel closure styles. Select the style that meets your requirements for ease of opening and closing, seal compatibility, as well as pressure and temperature performance.



The ZipperClave® offers the quickest opening autoclave available. No bolts to torque, nor clamps or rings. Inserting a single spring section closes the vessel. The ZipperClave® uses an elastomeric O-ring for it's pressure seal.

MAWP: 2,200 psi @ 450° F

(151 bar @ 232° C)

Sizes: 500 ml

1,000 ml 2,000 ml 4,000 ml

**Seal Materials:** 

Buna N

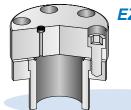
Ethylene-Propylene

PTFE Viton® Silicone Kalrez®

**Vessel Materials:** 

ANSI 316 Stainless Steel Hastelloy® C-276

Notes: MAWP based upon Viton® seals, temperature and pressure ratings will vary depending upon seal material selected. See Bulletin "PV-ZIP" for details of vessel performance. ASME Code Stamp not available for the Zipper Closure. Alternative materials are available, please consult factory.



EZE-Seal

The EZE-Seal provides the ability to operate at high temperature and moderate pressure. The "loose flange" allows for easy interchange of vessel bodies. The seal design requires low bolting torque. The EZE-Seal may be equipped with either metal or elastomeric pressure seal.

MAWP: 3,300 psi @ 850° F

(227 bar @ 454° C)

Sizes: 100 ml

300 ml 500 ml 1,000 ml 2,000 ml 4.000 ml

**Seal Materials:** 

Metal Double Delta

Buna N

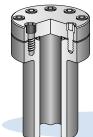
Ethylene-Propylene

PTFE Viton® Silicone Kalrez®

**Vessel Materials:** 

ANSI 316 Stainless Steel Hastelloy® C-276

**Notes:** MAWP based upon metal seals, temperature and pressure ratings will vary depending upon seal material selected. See Bulletin "**PV-EZF**" for details of vessel performance. Alternative materials are available, please consult factory.



Bolted Closure and High Temperature Bolted Closure

The Bolted Closure [BC] and High Temperature Bolted Closure [HTBC] offer a high pressure capacity at moderate and high temperatures. The Bolted Closure uses multiple gasket materials as the High Temperature Bolted Closure utilizes the Gasche metal gasket for its pressure seal.

**MAWP:** 5,500 psi @ 650° F [BC]

(379 bar @ 343° C) 5,000 psi @ 950° F [HTBC] (345 bar @ 510° C)

Sizes: 100 ml, 300 ml, 500 ml

1,000 ml 2,000 ml

4,000 ml, 8,000 ml

**Seal Materials:** [BC - All Materials]

Metal Gasket [HTBC only]

Buna N

Ethylene-Propylene

PTFE Viton® Silicone Kalrez®

**Vessel Materials:** 

ANSI 316 Stainless Steel Hastelloy® C-276

**Notes:** MAWP based upon metal seals, temperature and pressure ratings will vary depending upon seal material selected. See Bulletin "**PV-BC**" for details of vessel performance. Alternative materials are available, please consult factory.

## WARNING

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