



Parker Autoclave Engineers
Providing Tools for Research and Industry

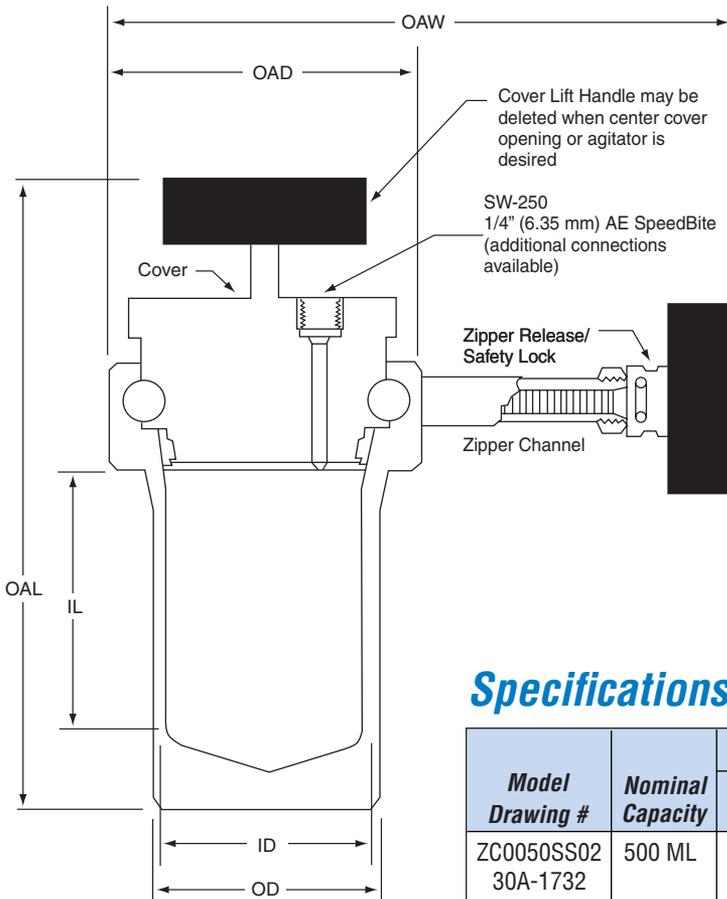
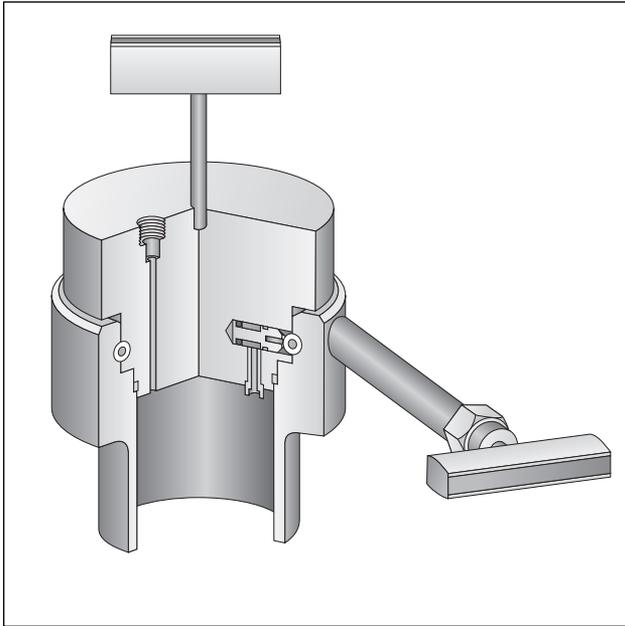
Zipperclave™ Pressure Vessel

At a Glance

Standard Volumes: 500 ml to 4 L
 MAWP: 2,200 psi @ 450°F
 (152 bar @ 232°C)
 Material of Construction: 316 Stainless Steel
 for all wetted parts

Principle of Operation

The Zipper closure was developed for AE's Zipperclave™ quick-opening, low pressure vessels. Closure is effected by a resilient spring member (the "Zipper") inserted through a circumferential groove in the body and cover. Simply release the safety sleeve and pull the Zipper to remove the cover. A quick release/safety lock and cover safety device are provided to ensure that the spring is fully inserted.



Specifications and Part Numbers

Model Drawing #	Nominal Capacity	Dimensions-inches (mm)					
		ID	OD	IL	OAL	OAW	Body OAD
ZC0050SS02 30A-1732	500 ML	2.90 (74)	3.40 (86)	4.62 (117)	11.73 (298)	11.50 (292)	4.92 (125)
ZC0100SS02 30A-1733	1 L	2.90 (74)	3.40 (86)	9.62 (244)	16.73 (425)	11.50 (292)	4.92 (125)
ZC0200SS02 30A-1227	2 L	3.91 (99)	4.60 (117)	10.17 (258)	17.62 (448)	12.13 (308)	5.95 (151)
ZC0400SS02 30A-1224	4 L	4.91 (125)	5.70 (145)	12.82 (326)	20.75 (527)	12.88 (327)	7.00 (178)

Pressure Vessels



Optional O-Ring Chart

Material	Max Temp	
	°F	(°C)
Buna N	250°	(121°)
EPR	300°	(149°)
Silicone	400°	(204°)
*Viton®	450°	(232°)
PTFE Encapsulated *Viton®	450°	(232°)
*Kalrez®	500°	(260°)

* Products are registered trademarks of Dupont Dow Elastomers.

Ordering Guide

ZC ZipperClave™	0050 Capacity in ml 0050 - 500 ml 0100 - 1000 ml 0200 - 2000 ml 0400 - 4000 ml	SS Material of Construction SS - 316 Stainless Steel HB - *Hastelloy® B HC - *Hastelloy® C TI - Titanium MO - Monel NI - Nickel	02 Pressure psi, (bar) 2000 (138)
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*Hastelloy® is a trademark of Haynes International, Inc.

Features & Other Available Options

- Connection can be adapted to different sizes
- Multiple connections
- Other materials of construction
- Heaters and furnaces
- Stand (bench or floor style)
- Cooling and heating jackets
- Drain valves
- Consult factory to discuss your specific requirements

Supporting Information

MagneDrives®: (See Agitation section of this catalog)(AG-SG)
 Controls: (See Instrumentation of this catalog) (IN-SG)
 Valves, Fittings & Tubing: (See VFT Catalog)
 Complete Systems: (See Stirred Reactor Systems section of this catalog) (SR-SG)

WARNING

FAILURE, IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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