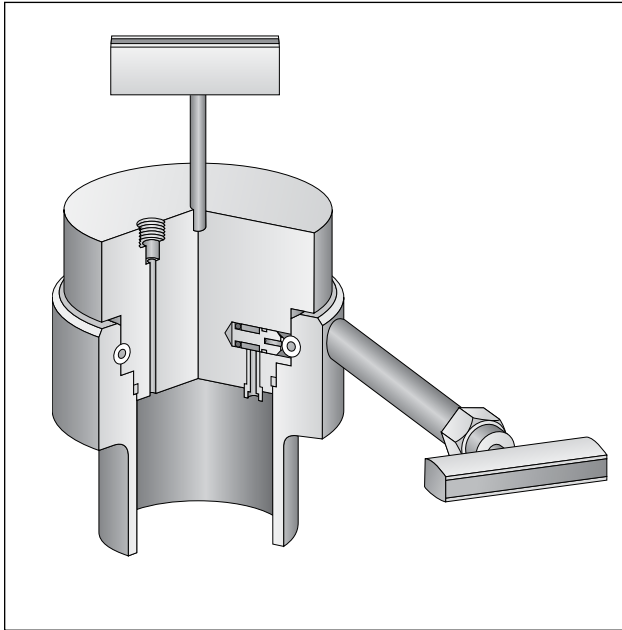


Zipperclave™ Pressure Vessel

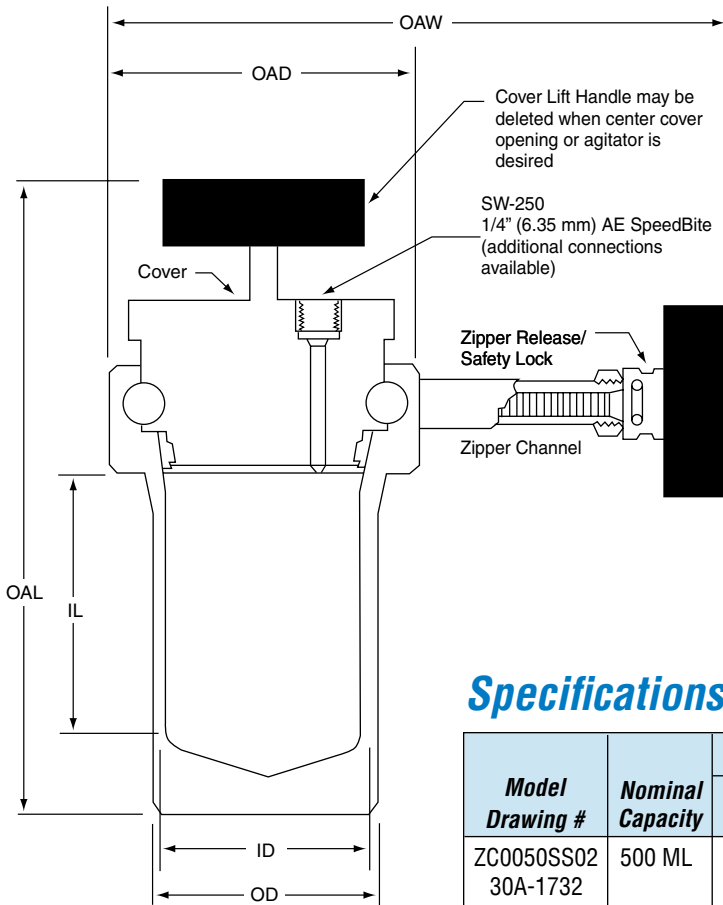


At a Glance

| | |
|---------------------------|---|
| 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) |
|---------------------------|--|---|---|

*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)



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