

NOWPak[®] Canister Closures

Clear, anodized, two-piece aluminum breakseal closure assembly

NOWPak[®] liner-based canister system closures with their two-piece aluminum design and PTFE seals protect critical materials within filled canister systems.

APPLICATIONS

- Photolithography applications
- Color filter material for flat panel display manufacturing
- High-purity solvents

FEATURES & BENEFITS

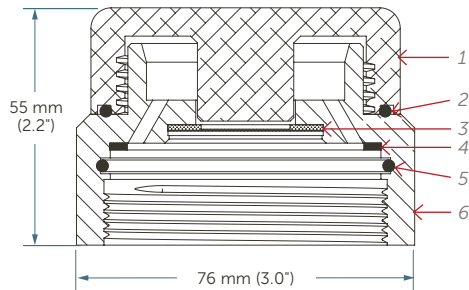
- Two-piece breakseal closure design remains sealed until the connector is installed
- PTFE breakseals hold up to demanding high-purity materials
- Closure is reusable after cleaning and replacing the breakseal and O-rings



NC-03 breakseal closure

DIMENSIONS

NC-03 and NC-03-2 for 4- to 40-liter canisters

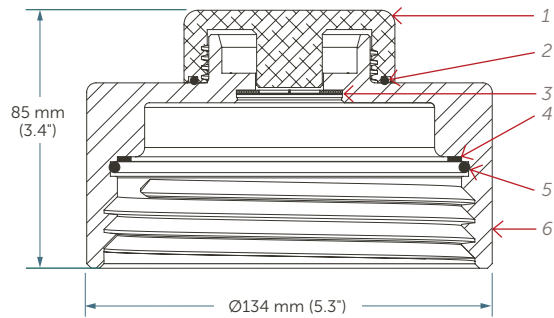


Note: Dimensions shown are maximum.

| Item | Quantity | Description |
|------|----------|--|
| 1 | 1 | Cap |
| 2 | 1 | Cap O-ring, EPDM with PTFE coating or FEP-encapsulated silicone |
| 3 | 1 | Breakseal |
| 4 | 1 | Compression ring |
| 5 | 1 | Closure body O-ring, EPDM with PTFE coating or FEP-encapsulated silicone |
| 6 | 1 | Closure body with 2.5–12 UN thread |

DIMENSIONS (CONTINUED)

NC-200-2 and NC-200-4 for 200-liter canisters



Note: Dimensions shown are maximum.

| Item | Quantity | Description |
|------|----------|--|
| 1 | 1 | Cap |
| 2 | 1 | Cap O-ring, EPDM with PTFE coating |
| 3 | 1 | Breakseal |
| 4 | 1 | Compression ring |
| 5 | 1 | Closure body O-ring, FEP-encapsulated silicone or EPDM with PTFE coating |
| 6 | 1 | Closure body with 4.75-4 buttress thread, 2" fitment for 200-liter canisters |

SPECIFICATIONS

| | | | |
|----------------------------------|---|--|-------------------------------|
| Part number | NC-03, NC-03-2, NC-200-2, and NC-200-4 | | |
| Materials of construction | Closure body | Machined aluminum with clear anodized finish | |
| | Cap body | Machined aluminum with clear anodized finish | |
| | Cap O-ring seal | NC-03, NC-200-2, and NC-200-4 | Molded EPDM with PTFE coating |
| | | NC-03-2 | FEP-encapsulated silicone |
| | Closure body O-ring seal | NC-03 and NC-200-4 | Molded EPDM with PTFE coating |
| | | NC-03-2 and NC-200-2 | FEP-encapsulated silicone |
| | Breakseal | Precleaned, laminant construction with PTFE wetted surface | |
| | Compression ring | NC-03 and NC-03-2 | HDPE |
| NC-200-2 and NC-200-4 | | Polypropylene | |
| Cleanroom bag | Polyethylene | | |
| Thread types | Cap (all models) | 2.25, Acme, double start | |
| | Closure | NC-03 and NC-03-2 | 2.5-12 UN thread |
| | | NC-200-2 and NC-200-4 | 4.75-4 buttress thread |
| Application torque | Cap (all models) | Hand tight | |
| | Closure | NC-03 and NC-03-2 | 27 – 34 N•m (20 – 25 ft•lb) |
| | | NC-200-2 and NC-200-4 | 47 – 54 N•m (35 – 40 ft•lb) |
| Manufacturing standards | Fabricated and tested in a Class 5 Cleanroom as per International Standard ISO 14644-1:1999 Cleanrooms and associated controlled environments – Part 1: Classification of air cleanliness | | |
| Cleanliness | Closure assembly to be free from lubricants and other extraneous foreign materials consistent with our processes and procedures | | |

SHIPPING INFORMATION

Packaging Each closure assembly is individually double bagged in a heat-sealed, cleanroom-processed, PE inner bag, and a heat-sealed PE outer bag. Closures are then placed in a corrugated shipping carton that is lined with a PE bag. See table below for quantities.

| PART NUMBER | QUANTITY PER CARTON |
|-----------------------|---------------------|
| NC-03, NC-03-2 | 50 |
| NC-200-2, NC-200-4 | 25 |

Labeling Each individual closure assembly is labeled with the part number and batch number. Each corrugated shipping carton is labeled with the part number, batch number, quantity, and date of manufacture.

ORDERING INFORMATION

NOWPak Canister Closures: part number

NC - -

Closure body O-ring

2 = FEP-encapsulated silicone

4 = EPDM with PTFE coating (200-liter size only)

Closure thread style

03 = 2.5–12 UN thread. The NC-03 and NC-03-2 are designed for use with 4- to 40-liter canisters.

200 = 4.75–4 buttress thread. For use with liner with a 2" fitment only. The NC-200-2 and NC-200-4 closures are designed for use with the 200L canister.

NOWPak canister closure

ACCESSORIES

| Item | Description |
|--------------|---|
| NC-03-B | Replacement aluminum closure bottom for NC-03, 2. 5- 12 UN thread. |
| NA-09-50 | Replacement breakseal, bag of 50. |
| NA-09-500 | Replacement breakseal, bag of 500. |
| NA-23 | Breakseal insertion tool. |
| NA-60 | Liner insertion tool for 4 to 40 liter canisters. |
| NA-60-200 | Liner insertion tool for 200 liter canisters. |
| NA-18 | Torque wrench, ½" drive. |
| NA-10 | Torque adapter for NC-03 and NC-04 aluminum closures. |
| 200328-C-50 | Closure cap replacement O-ring for NC-03, NC-200-2, NC-200-4, EPDM with PTFE coating, bag of 50. |
| 200328-C-500 | Closure cap replacement O-ring for NC-03, NC-200-2, NC-200-4, EPDM with PTFE coating, bag of 500. |
| NA-133-T-10 | Closure cap and body replacement O-rings for NC-03-2, FEP-encapsulated silicone, bag of 10. |

| Item | Description |
|--------------|--|
| NA-133-T-100 | Closure cap and body replacement O-rings for NC-03-2, FEP-encapsulated silicone, bag of 100. |
| 200405-C-100 | Closure body seal replacement O-ring for NC-03, EPDM with PTFE coating, bag of 100. |
| 200405-C-500 | Closure body seal replacement O-ring for NC-03, EPDM with PTFE coating, bag of 500. |
| 201075-C | Closure body seal replacement O-ring for NC-200-2, FEP-encapsulated silicone, quantity 1. |
| 201440-C-50 | Closure body seal replacement O-ring for NC-200-4, EPDM with PTFE coating, bag of 50. |
| 400321-C-100 | Closure body compression ring for NC-03, HDPE, bag of 100. |
| 400321-C-500 | Closure body compression ring for NC-03, HDPE, bag of 500. |
| 401120-C | Closure body compression ring for NC-200-2 and NC-200-4, polypropylene, quantity 1. |

LIMITED WARRANTY

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