

SmartCap™ Closure

Key-coded closure with breakseal for misconnect prevention

SmartCap™ closures are used together with the NOWPak® Liner-based Bottle System and PDMPak® Bottle System for pressurized applications to seal the bottles after they are filled with chemical. The chemical-specific mechanical key-code mates with the ErgoNOW™ connector to ensure the correct chemical is connected to the correct dispense system.

APPLICATIONS

- Designed for applications where multiple chemicals are used

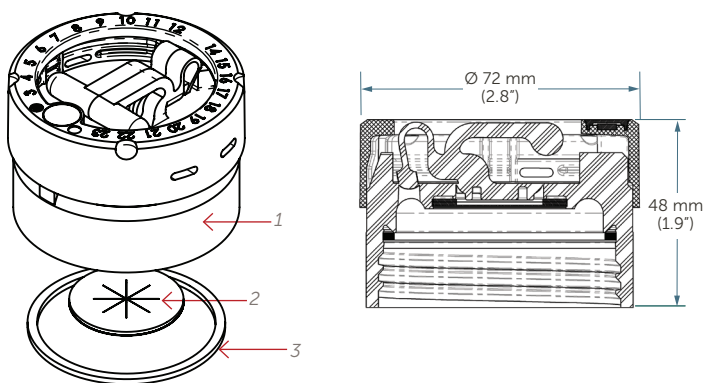
FEATURES & BENEFITS

- Mechanical key-code mates only to the corresponding ErgoNOW key-coded connector to prevent dispensing the wrong material
- Closures are custom coded to uniquely identify customers' critical materials
- Breakseal closure minimizes exposure of critical materials to the environment during installation of the dispense connector



SC-XX-YY-ZZ SmartCap Closure

DIMENSIONS



Item	Description	Quantity
1	Key-coded SmartCap closure	1
2	Breakseal	1
3	Gasket	1

SPECIFICATIONS

Part number	SC-XX-YY-ZZ (XX-YY-ZZ represents the key-code)	
Materials of construction	Closure body	LLDPE
	Breakseal	Pre-cleaned, laminate construction with PTFE wetted surface
	Gasket	PE foam
	Key-coded ring	PP
	Target	Nickel-plated neodymium magnet
	Target cap	PP black
Weight	60 g (0.13 lb)	
Closure thread	Modified 63 mm buttress thread, 4.24 mm (0.167") pitch	
Application torque	9.3 ± 0.3 N•m (80 – 85 in•lb)	
Manufacturing standards	Fabricated and tested in a Class 5 cleanroom as per International Standard ISO 14644-1:* 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 Entegris' processes and procedures.	
Packaging	Closure assemblies are bulk packaged in heat-sealed PE bags, then placed in a corrugated shipping carton. Each heat-sealed PE bag contains 25 SmartCap closures. Each shipping carton contains 50 SmartCap closures.	
Labeling	Each SmartCap closure assembly may be labeled with a customer-specified label format. This label format may include customer-specified information such as: part number, bar code, process chemical, or other customer-specified text. Each heat-sealed bag of 25 SmartCap closures is labeled with the part number, batch number, bag quantity, and month and year of manufacture. Each corrugated shipping carton is labeled with the part number, batch number, box quantity, and date of manufacture.	
Shipping information	Box quantity	50 (two bags of 25)
	Box dimensions	476 mm L x 295 mm W x 197 mm H (18.7" L x 11.6" W x 7.8" H)

*ISO standard certification is kept up to date as necessary to remain current and effective to be able to demonstrate compliance with up-to-date ISO requirements.

ORDERING INFORMATION

SmartCap Closure with Breakseal: part number

SC - XX - YY - ZZ

Closure

SC = SmartCap Closure with
SC type breakseal

Key-code

Contact Entegris to obtain
customer specific key-code

SmartCap Closure Accessories

Part number	Description
NA-47	Tear tab removal tool.
NA-33	Torque wrench, $\frac{3}{8}$ ", 0 – 150 lbf•in, with $\frac{3}{8}$ " to $\frac{1}{2}$ " drive socket adapter
NA-51-A-XXYYZZ	Torque tool for SmartCap with keyed insert; contains NA-51 torque tool body, and NA-51-XXYYZZ keyed insert; NA-51 and NA-51-XXYYZZ are also available for purchase separately
NA-42	Torque tool adapter for closure
NA-65-100	Plug for closure disposal (Quantity of 100)
NA-46-250	Shipping ring for NC-W1, NC-W2, and SmartCap closures (Quantity of 250)
NA-11-01-1	UN rated shipping box, for one 1-liter NOWPak bottle
NA-11-01-6	UN rated shipping box, for six 1-liter NOWPak bottles
NA-11-02-1	UN rated shipping box, for one 2.5-liter NOWPak bottle

Part number	Description
NA-11-04-1	UN rated shipping box, for one 4-liter NOWPak bottle
NA-11-04-4	UN rated shipping box, for four 4-liter NOWPak bottles
NA-11-05-1	UN rated shipping box, for one 10-liter NOWPak bottle
NA-11-05-2	UN rated shipping box, for two 10-liter NOWPak bottles
NA-74-01-6	Japanese, UN rated shipping box, for six 1-liter NOWPak bottles
NA-74-04-1	Japanese, UN rated shipping box, for one 4-liter NOWPak bottle
NA-74-04-4	Japanese, UN rated shipping box, for four 4-liter NOWPak bottles
NA-74-05-1	Japanese, UN rated shipping box, for one 10-liter NOWPak bottle
NA-74-05-2	Japanese, UN rated shipping box, for two 10-liter NOWPak bottles

FOR MORE INFORMATION

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [entegris.com](https://www.entegris.com) and select the [Contact Us](#) link to find the customer service center nearest you.

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