NOWPak® System Replacement PTFE Liner

Pre-cleaned, two-ply, heat-sealed replacement PTFE T420 liner

The PTFE T420 replacement liner is designed for use with the NOWPak® liner-based canister and bottle systems. The liner helps provide ultraclean chemical dispensing without direct contact between the chemical and drive gas. Replacement liners are available in 1-, 2.5-, 4-, 10-, 18-, and 19/20-liter sizes.



PTFE T420 Replacement Liner

APPLICATIONS

 NOWPak systems are designed for applications that require containment and safe transport of liquids that have high-purity requirements and/or are sensitive to the environment

FEATURES & BENEFITS

- Liners are particle tested and certified
- Liner-based system minimizes risk of environmental contamination
- Collapsible liner system helps maximize chemical utilization
- System dispenses chemical through a sealed pathway from liner to dispense tool, protecting chemical from external contamination
- Liners are pre-folded to ensure easy insertion into the canister or overpack
- Liners are easily removed for disposal, resulting in minimal waste



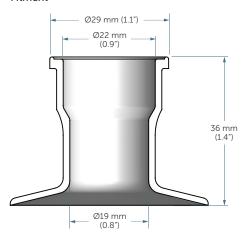
SPECIFICATIONS

Materials of construction	Film	PTFE, natural translucent color		
	Fitment	Injection molded, virgin PFA		
	Retainer	Injection molded, virgin HDPE		
	Temporary cap	Injection molded, red pigmented LDPE		
	Liner sleeve	PE		
Manufacturing standards		in a Class 5 Cleanroom as per International Standard eanrooms and associated controlled environments – of air cleanliness.		
	Film and heat-seal Light table visual inspection. Inspection frequency 100%. defect detection			
	Liner leak detection	Pressure decay tested. Test frequency 100%. Pass/fail test.		
	Weld integrity verification	Pressurized burst tested.		
		Minimum burst strength 16.2 psi. Test frequency 1:100.		
		Weld tensile strength tested. Film/film: Minimum tensile strength 5 in•lb energy at break. Test frequency 1:100.		
		Fitment weld strength tested: Pass/fail test. Test frequency 1:100.		
	Particle count verification	Particle testing with ultrapure DI water. Test frequency 2:100.		
Cleanliness	Product is not to exce	eed 125 particles per mL at ≥60 nm in ultrapure DI water.		
	Product is not to exceed 55 particles per mL at ≥80 nm in ultrapure DI water.			
	Product is not to exceed 20 particles per mL at ≥100 nm in ultrapure DI water.			
	A Certificate of Analysis stating batch-specific particle count data is available for each shipment of product.			
Extractable trace elements	Product is not to exceed 2 parts-per-billion (ppb) total of extractable trace elements listed utilizing 5% nitric acid. Trace elements reported are Ag, Al, As, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, In, K, Li, Mg, Mn, Na, Ni, Pb, Si, Sn, Sr, Ti, V, W and Zn.			
Total siloxanes*	Product is not to exceed 0.915 ppb			
		eed 16.774 ppb		

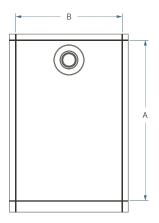
^{*}Total siloxanes and volatile organic compounds specifications apply only to 4-liter size NOWPak bottle system replacement liners.

DIMENSIONS

Fitment







PART NUMBER			DIMENSIONS		NSIONS
Liner	Canister*	Bottle overpack**	Size	A	В
NL-001-T420A-1	N/A	NO-01-A	1 L	305 mm (12.0")	165 mm (6.5")
NL-002-T420A-1	N/A	NO-02-N	2.5 L	330 mm (13.0")	251 mm (9.9")
NL-004-T420A-1	NO-04 NO-04-63	NO-04-A	4 L	406 mm (16.0")	299 mm (11.8")
NL-010-T420A-1	NO-05 NO-05-63	NO-05-A NO-05-N	10 L	533 mm (21.0")	406 mm (16.0")
NL-018-T420A-1	NO-09 NO-09-63	N/A	18 L	730 mm (28.8")	362 mm (14.3")
NL-020-T420A-1	NO-08 NO-08-63 (19-liter canister)	NO-06-A NO-06-N (20-liter bottle)	19/20 L	679 mm (26.8")	489 mm (19.3")
NL-020-T420B-1	NO-07 NO-07-1 (20-liter canister)	N/A	20 L	597 mm (23.5")	489 mm (19.3")

Notes:

- All dimensions are measured inside to inside of weld.
- \bullet For 1-liter size: A and B dimensions are ± 3 mm (0.13").
- \bullet For 2.5- to 20-liter sizes: A and B dimensions are ± 6 mm (0.25").
- * -63 designates canisters with modified buttress 63 mm neck thread; -1 designates corrosion prevention coating.
- ** -A designates amber colored bottle; -N designates natural color bottle.

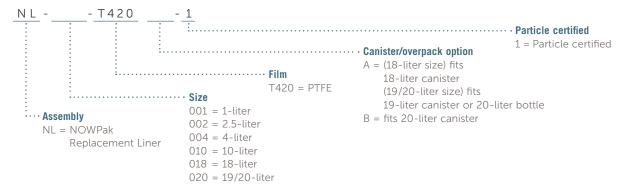
SHIPPING INFORMATION

Labeling	Each liner is labeled with batch and part number. Each shipping carton and PE cleanroom bag is labeled with the part number, batch numbers and quantity of liners.
Packaging	Each liner is capped, folded and inserted into a cleanroom sleeve (heat sealed), then bulk packaged in a corrugated carton, lined with a PE cleanroom bag, 50 liners per box. Retainers are packaged in cleanroom conditions and shipped in the same quantity as the liner.

Part number	Size	Box quantity (minimum order quantity)	Skid quantity (economic order quantity)	Box dimensions (L × W × H)
NL-001-T420A-1	1 L	50	1,250 (25 boxes of 50)	660 mm × 457 mm × 356 mm (26.0" × 18.0" × 14.0")
NL-002-T420A-1	2.5 L	50	1,250 (25 boxes of 50)	660 mm × 457 mm × 356 mm (26.0" x 18.0" x 14.0")
NL-004-T420A-1	4 L	50	1,250 (25 boxes of 50)	660 mm × 457 mm × 356 mm (26.0" × 18.0" × 14.0")
NL-010-T420A-1	10 L	50	1,250 (25 boxes of 50)	660 mm × 457 mm × 356 mm (26.0" × 18.0" × 14.0")
NL-018-T420A-1	18 L	50	1,250 (25 boxes of 50)	667 mm x 413 mm x 394 mm (26.3" x 16.3" x 15.5")
NL-020-T420A-1	19/20 L	50	1,250 (25 boxes of 50)	667 mm x 413 mm x 394 mm (26.3" × 16.3" × 15.5")
NL-020-T420B-1	20 L	50	1,250 (25 boxes of 50)	667 mm x 413 mm x 394 mm (26.3" × 16.3" × 15.5")

ORDERING INFORMATION

NOWPak System Replacement PTFE Liner: part number



NOWPak system replacement PTFE liner accessories

Part number	Description
NA-60	Liner insertion tool
NA-06	Liner removal tool
NA-17	Liner removal and drain tool
NA-13	Diptube removal tool
NA-07	Liner disposal plug, bag of 100
NF-01-FR	Automatic bag inflation fixture for 4- to 20-liter liners
NA-41	Manual bag inflation connector for 4- to 20-liter liners, 63 mm buttress thread
NA-41-8990	Manual bag inflation connector for 4- to 20-liter liners, 2.5-12 UN thread

LIMITED WARRANTY

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