

Film-Pak Cartridge Systems

Sustainable film-based cartridges for two-component (2K) materials



Collapsible film-based dual cartridges come with resealable nozzle outlets to store material for later use.



Complete 2K dispensing system featuring a specialized dispense gun with built-in Film-Pak retainers.



Seven compressed Film-Pak cartridges replace one rigid cartridge in landfills.



Nordson EFD Film-Pak® cartridge systems represent the future of sustainable, eco-friendly two-component fluid packaging. Innovative, collapsible film-based technology allows the dual cartridge packaging to compress into a unique lid as industrial fluids are dispensed.

This feature reduces packaging waste volume by more than 85% when compared to conventional, rigid Side x Side cartridges. Seven fully-compressed 600mL (300 x 300mL) Film-Pak cartridge lids replace one standard 600mL (300 x 300mL) rigid cartridge in landfills.

The collapsible film-based technology provides the same quality performance while contributing to a lower carbon footprint, which supports corporate sustainability initiatives. It also significantly lowers disposal costs for end users.

EFD's innovative film packaging is integrally bonded to the Film-Pak lid to securely package the material and prevent it from leaking. The high-strength, multi-layer film provides critical barrier properties against oxygen and moisture permeation to preserve shelf life stability. The film is also inert to most adhesives and sealants, which streamlines inventory for fluid formulators.

In addition, Film-Pak is compatible with a wide range of static mixers and standard 2K dispense guns and spray systems. Reusable Film-Pak retainers with integrated plungers can be used to retrofit Film-Pak cartridges with standard guns. Specialized dispense guns with built-in Film-Pak retainers are also available.

Features

- Sustainable, collapsible film-based dual cartridge technology
- Film integrally bonded to a molded lid and nozzle for leak-proof packaging, mixing, and dispensing
- Multi-layer film to prevent oxygen and moisture from affecting shelf life of stored materials
- Resealable nozzle outlets allow storing material for later use — reducing fluid waste

Benefits



- 85% reduced packaging waste without sacrificing ratio control or mix performance
- Lower disposal costs and carbon footprint, which support sustainability initiatives
- Versatility to use with most standard 2K dispense guns and mixers
- Fast, easy filling through the nozzle outlet for low-viscosity fluids or through unique lid ports for high-viscosity fluids
- Streamlined inventory for fluid formulators



more info




Film-Pak Cartridge Kits

FILM-PAK CARTRIDGE KITS				
600mL Film-Pak Cartridge Kits				
Part #	Usable Volume	Ratio	Description	
	7363434	630mL	1:1	300 x 300mL Film-Pak cartridge assembly with 7/8 - 9 single-lead outlet thread, includes outlet cap kit #7363428
	7363436	630mL	1:1	300 x 300mL Film-Pak cartridge assembly with 7/8 - 14 double-lead thread, includes outlet cap kit #7363671
600mL Ported Film-Pak Cartridge Kits				
Part #	Usable Volume	Ratio	Description	
	7363435	630mL	1:1	Ported 300 x 300mL Film-Pak cartridge assembly with 7/8 - 9 single-lead outlet thread, includes outlet cap kit #7363776 with port plugs
	7363437	630mL	1:1	Ported 300 x 300mL Film-Pak cartridge assembly with 7/8 - 14 double-lead outlet thread, includes outlet cap kit #7363775 with port plugs

Kits sold in quantities of 60 per part number.

Film-Pak Cartridge Outlet Cap Kits & Accessories

Nordson EFD Film-Pak outlet cap kits can be used to seal Film-Pak cartridges for storing, filling through the port holes, or saving stored material for later use.

FILM-PAK OUTLET CAP KITS	
Part #	Description
	7363428 Film-Pak outlet cap kit, 7/8 - 9 outlet thread, includes 1 nut, 1 disk, and 2 caps
	7363671 Film-Pak outlet cap kit, 7/8 - 14 outlet thread, includes 1 nut, 1 disk, and 2 caps
	7363776 Film-Pak outlet cap kit, 7/8 - 9 outlet thread, includes 60 nuts, 60 disks, 120 caps, and 120 port plugs
	7363775 Film-Pak outlet cap kit, 7/8 - 14 outlet thread, includes 60 nuts, 60 disks, 120 caps, and 120 port plugs

FILM-PAK ACCESSORIES			
Part #	Description	Qty	Notes
7661663	Film-Pak port plug	1	Place in port holes after filling ported Film-Pak cartridges
7660214	Film-Pak cartridge cap	1	One-piece cap to seal Film-Pak cartridges for storing
7660792	Film-Pak cartridge disk	1	Place between caps and retaining nut to keep caps secure
7660731	Film-Pak nut, 7/8 - 9 single-lead outlet thread	1	Retaining nut for securing the mixer or caps to the cartridge
7660818	Film-Pak nut, 7/8 - 14 double-lead outlet thread	1	Retaining nut for securing the mixer or caps to the cartridge

Film-Pak Cartridge Retainers

Nordson EFD Film-Pak cartridge retainers with integrated plungers are required when using Film-Pak with standard 2K dispense guns. The reusable rigid retainers come in two styles — translucent nylon for easy visual monitoring, and aluminum. To see which Film-Pak retainers are compatible with specific dispense guns, access the data sheets here www.nordsonefd.com/2KDispenseGuns.

FILM-PAK RETAINERS			
Part #	Description	Material	Color
7363429	600mL (300 x 300mL) Film-Pak retainer system with integrated nylon plungers	Nylon	White (translucent)
7363767	600mL (300 x 300mL) Film-Pak retainer system with integrated nylon plungers	Aluminum	Silver



Film-Pak Cartridge Flow Restrictors



EFD's low-cost, plastic flow restrictors eliminate problems caused by low-viscosity fluids by slowing the thinner component's flow. These are particularly useful when two materials have dissimilar viscosities.

FILM-PAK FLOW RESTRICTORS				
Part #	Type	Orifice Size (mm / in)	Material	Color
7660763	Flat	4.8 x 4.8 mm (0.188 x 0.188")	LDPE	Black
7660764	Flat	1.6 x 1.6 mm (0.063 x 0.063")	LDPE	Black
7660765	Flat	1.6 x 4.8 mm (0.063 x 0.188")	LDPE	Black
7660766	Flat	Dual Slit	LDPE	Black
7660767	Flat	Slit x 1.6 mm (Slit x 0.063")	LDPE	Black
7660768	Flat	Slit x 4.8 mm (Slit x 0.188")	LDPE	Black
7661231	Tabbed	2.4 x 2.4 mm (0.094 x 0.094")	LDPE	White
7661232	Tabbed	Dual Slit	LDPE	Blue
7661233	Tabbed	Slit x 2.4 mm (Slit x 0.094")	LDPE	Green
7661323	Tabbed	Slit x 4.8 mm (Slit x 0.188")	LDPE	Grey
7661324	Tabbed	4.8 x 4.8 mm (0.188 x 0.188")	LDPE	Black
7661325	Tabbed	2.4 x 4.8 mm (0.094 x 0.188")	LDPE	Red

Recommended 2K Mixers



Nordson EFD offers a variety of static mixers for Film-Pak cartridges, including OptiMixers™ and other square and spiral mixers. To request samples for your application, go to www.nordsonefd.com/2Ksamples.

DISPOSABLE MIXERS		
Series	Type	Style
Series 480	OptiMixer	Square
Series 280	Turbo Integral Nut	Square
Series 280N	High-Flow Turbo	Square
Series 160	Bell Inlet	Spiral
Series 160A	Bell Inlet, works with ProTip™	Spiral
Series 161N	High-Flow Integral Nut	Spiral
Series 260	Bell & Integral Nut	Spiral
HSS Spray Mixers	All types	Spiral

2K Dispense Guns

Film-Pak cartridges work with a wide range of 2K dispense guns. Nordson EFD offers manual, pneumatic, and cordless guns in more than ten models, including specialized guns with built-in Film-Pak retainers. To learn more, go to www.nordsonefd.com/2KDispenseGuns.



Manual dispense gun with built-in Film-Pak retainers



Pneumatic dispense gun with built-in Film-Pak retainers



HSS spray system with built-in Film-Pak retainers



Manual dispense gun can be retrofitted to work with Film-Pak



Pneumatic dispense gun can be retrofitted to work with Film-Pak



Cordless dispense gun can be retrofitted to work with Film-Pak



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to www.nordsonefd.com.

Global

800-556-3484; +1-401-431-7000
info@nordsonefd.com

Europe

00800 7001 7001
infoefd.europe@nordsonefd.com

Asia

China: +86 (21) 3866 9006; china@nordsonefd.com
India: +91 80 4021 3600; india@nordsonefd.com
Japan: +81 03 5762 2760; japan@nordsonefd.com
Korea: +82-31-736-8321; korea@nordsonefd.com
SEAsia: +65 6796 9522; sin-mal@nordsonefd.com

©2019 Nordson Corporation v112619