

# 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 with see-through Film-Pak retainer for easy visual monitoring.



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 mix 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, rigid 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 |

## Film-Pak Cartridge Outlet Cap Kits

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 1 nut, 1 disk, 2 caps, and 2 port plugs  |
| 7363775  | Film-Pak outlet cap kit, 7/8-14 outlet thread, includes 1 nut, 1 disk, 2 caps, and 2 port plugs |

| FILM-PAK ACCESSORIES |  |  |
|----------------------|--|--|
| Part #               | Description                                    | Notes  |
| 7363427              | Film-Pak port plugs                            | Two port plugs to place in port holes after filling ported Film-Pak cartridges |
| 7660214              | Film-Pak cartridge caps                        | Two one-piece caps to seal Film-Pak cartridges for storing                     |
| 7660792              | Film-Pak cartridge disk                        | One disk to place between caps and retaining nut to keep caps secure           |
| 7660731              | Film-Pak nut, 7/8-9 single-lead outlet thread  | One retaining nut for securing the mixer or caps to the cartridge              |
| 7660818              | Film-Pak nut, 7/8-14 double-lead outlet thread | One 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](http://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 #                    | Orifice Size (mm / in)    | Material | Color |
| 7660764                   | 1.5 x 1.5 / 0.062 x 0.062 | PE       | Black |
| 7660765                   | 1.5 x 4.8 / 0.062 x 0.187 | PE       | Black |
| 7661324                   | 4.8 x 4.8 / 0.187 x 0.187 | PE       | Black |
| 7660763                   | 4.8 x 4.8 / 0.187 x 0.187 | LDPE     | Black |
| 7661231                   | 2.4 x 2.4 / 0.094 x 0.094 | PE       | White |
| 7661325                   | 2.4 x 4.8 / 0.094 x 0.187 | PE       | Red   |
| 7661323                   | 4.8 / 0.187               | PE       | Gray  |
| 7661233                   | 2.4 / 0.094               | PE       | Green |
| 7661232                   | Cut slit openings         | PE       | Blue  |

## 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](http://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](http://www.nordsonefd.com/2KDispenseGuns).



Manual dispense gun



Pneumatic dispense gun



Cordless dispense gun



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



For Nordson EFD sales and service in over 40 countries, contact Nordson EFD or go to [www.nordsonefd.com](http://www.nordsonefd.com).

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