

Ratio-Pak Cartridge Systems

Snap-together cartridges for two-component (2K) materials



Ratio-Pak cartridges snap together in package volumes from 60mL to 1500mL



Ratio-Pak cartridge with separated bores



Ratio-Pak cartridge with joined bores



Select ratios from 1:1 up to 25:1

Ratio-Pak® cartridge systems offer a versatile solution to package a variety of two-part materials, including foams, coatings, potting compounds, and other adhesives and sealants.

The Ratio-Pak line uses individual cartridges that snap together with Ratio-Pak cartridges of any other size. This unique, patented design gives users the flexibility to combine multiple ratios, from 1:1 up to 25:1, to achieve proper mixing results.

Cartridge configurations are available with a variety of capping solutions, assorted thread forms, and self-venting seals for easy filling.

Features

- Snap-together design for easily changeable configurations
- May be filled through the nozzle or back side of the cartridge
- Fit industry-standard dispense guns
- Many mixer options available

Benefits

- Versatile design allows different mix ratios and volumes
- Snap-together cartridges help reduce inventory; join side A with different sizes of side B
- Match different resins for chemical compatibility; for example, mate PP side A with nylon side B
- Point-of-use mixing
- Easy filling and handling, with quick clean-up



more info



Ratio-Pak Cartridges

RATIO-PAK SNAP-TOGETHER CARTRIDGES					
30mL Ratio-Pak Cartridges					
	Part #	Usable Volume	Description	Material	Color
	7660364	30mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PP	Natural
	7660391	–	30mL piston rear seal, non-vented	MDPE	Black
75mL Ratio-Pak Cartridges					
	Part #	Usable Volume	Description	Material	Color
	7661540	75mL	Ratio-Pak cartridge, 7/8 - 9 outlet thread	PP	Natural
	7661411	75mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PP	Natural
	7660543	75mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PE	Natural
	7661440	75mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	Nylon	Natural
	7660545	–	75mL piston rear seal, non-vented	MDPE	Black
	7660873	–	75mL piston rear seal, self-vented	MDPE	Black
	7660872	–	75mL piston rear seal, self-vented	HDPE	Black
100mL Ratio-Pak Cartridges					
	Part #	Usable Volume	Description	Material	Color
	7660569	100mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PP	Natural
	7661037	100mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	Nylon	Natural
	7660589	–	100mL piston rear seal, non-vented	MDPE	Black
	7661372	–	100mL piston rear seal, non-vented	HDPE	Black
150mL Ratio-Pak Cartridges					
	Part #	Usable Volume	Description	Material	Color
	7660598	150mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PP	Natural
	7660604	150mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PE	Natural
	7660599	150mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	Nylon	Natural
	7660609	–	150mL piston rear seal, non-vented	MDPE	Black
	7660878	–	150mL piston rear seal, self-vented	MDPE	Black
	7660610	–	150mL piston rear seal, non-vented	HDPE	Black
	7660877	–	150mL piston rear seal, self-vented	HDPE	Black
200mL Ratio-Pak Cartridges					
	Part #	Usable Volume	Description	Material	Color
	7661405	200mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PP	Natural
	7661655	200mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PP	Blue
	7661530	200mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	Nylon	Natural
	7661403	–	200mL piston rear seal, non-vented	MDPE	Black
	7661404	–	200mL piston rear seal, self-vented	MDPE	Black
250mL Ratio-Pak Cartridges					
	Part #	Usable Volume	Description	Material	Color
	7661408	250mL	Ratio-Pak cartridge, 7/8 - 9 outlet thread	PP	Natural
	7661409	250mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PP	Natural
	7661406	–	250mL piston rear seal, non-vented	MDPE	Black
	7661407	–	250mL piston rear seal, self-vented	MDPE	White

Order both side A and side B based on ratio requirement and volume.

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Ratio-Pak Cartridges

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RATIO-PAK SNAP-TOGETHER CARTRIDGES					
300mL Ratio-Pak Cartridges					
	Part #	Usable Volume	Description	Material	Color
	7660650	300mL	Ratio-Pak cartridge, 7/8 - 9 outlet thread	PP	Natural
	7660625	300mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PP	Natural
	7661715	300mL	Ratio-Pak cartridge, 7/8 - 9 outlet thread	PE	Natural
	7660630	300mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PE	Natural
	7660626	300mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	Nylon	Natural
	7660653	–	300mL piston rear seal, non-vented	MDPE	Black
	7660884	–	300mL piston rear seal, self-vented	MDPE	Black
	7660656	–	300mL piston rear seal, non-vented	HDPE	Black
	7660883	–	300mL piston rear seal, self-vented	HDPE	Black
600mL Ratio-Pak Cartridges					
	Part #	Usable Volume	Description	Material	Color
	7660665	600mL	Ratio-Pak cartridge, 7/8 - 9 outlet thread	PP	Natural
	7660663	600mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PP	Natural
	7660664	600mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	Nylon	Natural
	7660666	–	600mL piston rear seal, non-vented	MDPE	Black
	7661708	–	600mL piston rear seal, self-vented	MDPE	Black
	750mL Ratio-Pak Cartridges				
	Part #	Usable Volume	Description	Material	Color
	7661410	750mL	Ratio-Pak cartridge, 7/8 - 9 outlet thread	PP	Natural
	7660667	750mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	PP	Natural
	7660683	–	750mL piston rear seal, non-vented, for PP cartridges	MDPE	Black
	7660887	–	750mL piston rear seal, self-vented, for PP cartridges	MDPE	Black
	7660668	750mL	Ratio-Pak cartridge, 7/8 - 14 outlet thread	Nylon	Natural
	7660686	–	750mL piston rear seal, non-vented, for nylon cartridges	HDPE	Natural
	7660687	–	750mL piston rear seal, self-vented, for nylon cartridges	HDPE	Natural

Order both side A and side B based on ratio requirement and volume.

Material:

PP (polypropylene) LDPE (low-density polyethylene)
 PE (polyethylene) MDPE (medium-density polyethylene)
 HDPE (high-density polyethylene)

RATIO-PAK ACCESSORIES		
Part #	Description	Notes
7660792	Disc, 1.9 x 1.6 mm (0.75 x 0.062"), PE, white	When installed between a capped barrel and nut, keeps the nose plug stable.
7660794	Gasket tape, 1.9 x 1.9 mm (0.75 x 0.75"), two-sided, white	Place gasket tape on the flat side of the cartridge neck to prevent material from flowing between the cartridges.
7660945	Vent strip, PE, white	Reusable vent strip for non-vented rear seals.
7660731	Retaining nut, 7/8 - 9 cartridges	Retaining nuts secure the mixer to the cartridge.
7660818	Retaining nut, 7/8 - 14 cartridges	Retaining nuts secure the mixer to the cartridge.



Flow Restrictors

EFD's low-cost, plastic flow restrictors eliminate problems caused by low-viscosity fluids by slowing the thinner component's flow.



Cartridge Caps

Each Ratio-Pak cartridge set requires a one-piece or two-piece sealing cap. Two one-piece caps (called D-plugs) are required per cartridge set. Only one two-piece cap is required per cartridge set.

RATIO-PAK FLOW RESTRICTORS				
Part #	Type	Orifice Size (mm / ")	Material	Color
7660763	Flat	3/16 x 3/16 / 9.5 x 9.5	PE	Black
7660764	Flat	1/16 x 1/16 / 3.2 x 3.2	PE	Black
7660765	Flat	1/16 x 3/16 / 3.2 x 9.5	PE	Black
7660766	Flat	Dual Slit	PE	Black
7660767	Flat	Slit x 1/16 / Slit x 3.2	PE	Black
7660768	Flat	Slit x 3/16 / Slit x 9.5	PE	Black
7661324	Tabbed	3/16 x 3/16 / 9.5 x 9.5	PE	Black
7661325	Tabbed	3/32 x 3/16 / 2.4 x 9.5	PE	Red
7661323	Tabbed	Slit x 3/16 / Slit x 9.5	PE	Grey
7661231	Tabbed	3/32 x 3/32 / 2.4 x 2.4	PE	White
7661232	Tabbed	Dual Slit	PE	Blue
7661233	Tabbed	Slit x 3/32 / Slit x 2.4	PE	Green

RATIO-PAK CARTRIDGE CAPS				
Part #	Description	Material	Color	# per Cartridge
7660214	Cartridge cap	PE	Black	2
7661259	Cartridge cap, 6 pack	PE	Black	2
7660215	Cartridge cap	PE	Natural	2
7660216	Cartridge cap	PE	White	2
7660218	Cartridge cap	Santoprene*	Black	2
7660217	Cartridge cap	Santoprene	Natural	2
7660220	Cartridge cap	PE	White	1
7661196	Cartridge cap	PE	White	1
7660379	Cartridge cap**	PE	Blue	1

*For difficult-to-seal materials.

**For 30mL cartridges only.

Recommended 2K Mixers

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



Series 480 OptiMixers



Series 280N

DISPOSABLE MIXERS		
Series	Type	Style
Series 480	OptiMixer	Square
Series 280	Turbo Integral Nut	Square
Series 160	Bell Inlet	Spiral
Series 161N	High-Flow Integral Nut	Spiral
Series 260	Bell & Integral Nut	Spiral



Series 160



Series 260

2K Dispense Guns

Nordson EFD's 2K dispense guns are compatible for use with our Film-Pak®, Side x Side, Ratio-Pak, and coaxial cartridge systems. Lightweight and durable, 2K dispense guns make applying two-component adhesives quicker and easier. Available in three models.



Manual dispense gun



Pneumatic dispense gun



Cordless dispense gun



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

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