

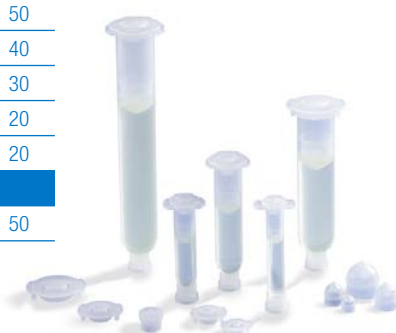
OPTIMUM CLASS VI

Size	Class VI Clear Barrels	Class VI Clear Pistons	Class VI Clear End Caps	QTY
3cc	7364595	7364600	7364606	50
5cc	7364596	7364601	7364607	40
10cc	7364597	7364602	7364608	30
30cc	7364598	7364603	7364609	20
55cc	7364599*	7364603	7364609	20
CLASS VI TIP CAPS				
-	7364594	-	-	50

Class VI components are made from United States Pharmacopeia (USP) Class VI virgin resin to simplify process validation for medical manufacturers.

*Includes 15 syringe barrels.

Optimum Class VI pistons are designed for use with Class VI barrels only.



OPTIMUM ECO

Size	ECO Natural Barrels	ECO Natural Pistons	ECO Natural End Caps	QTY
3cc	7364686	7364691	7364699	50
5cc	7364687	7364692	7364700	40
10cc	7364688	7364693	7364701	30
30cc	7364689	7364694	7364702	20
55cc	7364690*	7364694	7364703	20
ECO TIP CAPS				
-	7364679	-	-	50

ECO components are manufactured from sustainably-sourced polyethylene and feature a bio-based content rating of 94% to 96%.

*Includes 15 syringe barrels.

Optimum ECO pistons are designed for use with ECO barrels only.



THE KEY TO PRODUCTIVE DISPENSING

The right amount of material at the right place is what dispensing is all about. Most assembly fluids are easy to set up and use, and with EFD dispensing products, you get precise deposits without any problems.

4 SIMPLE RULES TO REMEMBER:



Small deposits — small tips, low pressure, short pulse time

Big deposits — larger tips, higher pressure, longer time

Thick fluids — tapered tips, higher pressure, time as required

Watery fluids — small tips, low pressure, time as required



FLUIDS THAT REQUIRE SPECIAL HANDLING ARE DESCRIBED BELOW WITH RECOMMENDATIONS.

CYANOACRYLATES AND SOLVENTS

Syringe Barrels / Pistons

Use a 3cc, 10cc, or 30cc clear syringe barrel. Fill about 1/2 full and insert a blue LV Barrier piston just below the top of the barrel. Do not press against the cyanoacrylate. The piston stays at the top of the barrel, allowing air through to make a deposit and vacuum to prevent dripping. For gel cyanoacrylate, specify the white SmoothFlow piston. Fill barrel 2/3 full and push the piston down until it contacts the fluid.

Dispense Tips

For watery cyanoacrylates, specify the PTFE-lined tip #7018388 or the short flexible tip #7018366. To drag cyanoacrylate or reach into recesses, use the long flexible tip #7018362. For gel cyanoacrylates, the tapered tip #7018391 is a good choice. No scratching. No metal to react with the cyanoacrylate. For microdots, use #7018433 or #7018462 stainless tips.



RECOMMENDED SYSTEM

Size	Cyanoacrylates		Solvents		Clear Barrels	
	Standard Adapter	QTY	Polypropylene Adapter	QTY	Blue LV Pistons*	QTY
3cc	7012341	1	7012067	1	7012075	50
10cc	7012339	1	7012065	1	7012118	30
30cc	7012338	1	7012064	1	7015116	20

Note: Always use fresh cyanoacrylate with new components. Remember to protect against moisture and use a coalescing filter regulator (part #7016548) on the plant air supply to your dispenser.

*Includes tip caps.

ANAEROBICS AND OILS

Syringe Barrels / Pistons

Use any convenient size clear barrel. Fill barrel about 2/3 full. Insert a white SmoothFlow piston until it contacts the fluid.

Dispense Tips

For best fluid control, we recommend using the smaller gauge stainless steel precision tips or the all-plastic polypropylene tips. For microdots, consider the smaller size barrels. For low viscosity wicking anaerobics, use the LV Barrier piston.



RECOMMENDED SYSTEM

Size	Standard Adapter	QTY	Clear Barrels	QTY	Leakproof Barrel Tip Caps	QTY
3cc	7012341	1	7012074	50	7012198	50
5cc	7012054	1	7012096	40	7012198	50
10cc	7012339	1	7012114	30	7012198	50
30cc	7012338	1	7012136	20	7012198	50
55cc	7012338	1	7012153	15	7012198	50

UV-CURE / LIGHT SENSITIVE ADHESIVES

Syringe Barrels / Pistons

Select from transparent amber for UV and light-sensitive materials (*less than 12% visible light from 550 nm or less); and opaque black to ensure complete light blockage. Fill barrel about 2/3 full. Insert a white SmoothFlow piston until it contacts the fluid.

Dispense Tips

Standard, translucent tips are molded of polyethylene and the colored versions contain a light-block additive that protects UV-sensitive fluids. Rigid opaque tips are molded of polypropylene and the opacity of the material delivers light-blocking functionality to protect light-sensitive fluids. When using other tips, order the 3cc barrel opaque tip shield #7017715 or #7017717 for 5cc to 55cc barrels.



RECOMMENDED SYSTEM

Size	UV Block* Standard Adapter	QTY	UV Block* Amber Barrels	QTY	Opaque Black Barrels	QTY	Opaque White Pistons	QTY	Opaque Tip Shields	QTY	Leakproof Barrel Tip Caps	QTY
3cc	7012341	1	7012085	50	7012091	50	7017715	10	7012198	50		
5cc	7012054	1	7012103	40	7012109	40	7017717	10	7012198	50		
10cc	7012339	1	7012126	30	7012130	30	7017717	10	7012198	50		
30cc	7012338	1	7012145	20	7012149	20	7017717	10	7012198	50		
55cc	7012338	1	7012160	15	7012164	15	7017717	10	7012198	50		

EPOXIES, SEALANTS, AND PASTES

Syringe Barrels / Pistons

Size depends on dispense requirements. Most thick materials work well with the white piston. However, if you see too much piston bounce with stringy sealants, switch to the orange flat-walled piston. For bounce issues with thicker material, specify the clear flex piston.

Dispense Tips

The SmoothFlow tapered tips provide the best dispensing for most fluids including thick pastes and particle-filled materials. For thicker fluids with a tendency to string, try using a smaller gauge tip and increase the air pressure. For extremely thick materials requiring small deposit control, consider one of the HPx Series high pressure tools. Contact EFD for details.



RECOMMENDED SYSTEM

Size	Standard Adapter	QTY	Clear Barrels	QTY	Clear Barrels	QTY	Flat-walled Orange Pistons	QTY	Clear Barrels	QTY
3cc	7012341	1	7012074	50	7012072	50	7012321	50	-	-
5cc	7012054	1	7012096	40	7012094	40	7012323	40	-	-
10cc	7012339	1	7012114	30	7012112	30	7012325	30	7360577	30
30cc	7012338	1	7012136	20	7012134	20	7012327	20	7360580	20
55cc	7012338	1	7012153	15	7012155	15	7012327	20	7360583	15

IMPORTANT SAFETY INFORMATION

All Nordson EFD disposable components, including syringe barrels, cartridges, pistons, tip caps, end caps, and dispense tips are precision engineered for one-time use. Attempting to clean and re-use components will compromise dispensing accuracy and may increase the risk of personal injury.

Always wear appropriate protective equipment and clothing suitable for your dispensing application.

Do not exceed maximum operating pressure of 100 psi (7.0 kg / cm²).

Do not heat syringe barrels or cartridges to a temperature greater than 100° F (38° C).

Dispose of components according to local regulations after one-time use.

Do not clean components with strong solvents (e.g. MEK, Acetone, THF).

Cartridge retainer systems and barrel loaders should be cleaned with mild detergents only.

To prevent fluid waste, use EFD SmoothFlow pistons.