

Optimum Class VI Dispensing Components

Enhanced biocompatibility for medical manufacturing



Optimum Class VI components are designed to provide accurate, repeatable fluid deposits used in bonding, coating, and other medical assembly processes.



Class VI components dispensing onto a catheter.

Compatibility with Sterilization Methods

Optimum Class VI Components	Autoclave	Ethylene Oxide Gas	High-Energy Gamma Radiation
	30 minutes at 121°C	2.0 HgA/min, 43°C for 4 hours	20-35 kGy
Syringe barrels (PP)	✓	✓	✓*
Pistons (LDPE)	✗	✓	✓
Tip caps (LDPE)	✗	✓	✓
End caps (LDPE)	✗	✓	✓
27 Gauge Tips (7018416)	✓	✓	✓

* Discolouration may occur. This does not affect the functionality of the barrel.

Nordson EFD states that all customers must do their own testing to validate their processes.

Nordson EFD's Optimum® Class VI dispensing components are manufactured from United States Pharmacopeia (USP) Class VI-certified resin. This helps medical manufacturers improve process validation and traceability to more easily meet regulatory requirements. Class VI resin ensures that there are no harmful reactions or ill effects to the human body caused by chemicals that leach out of the plastic. Sterilization is possible to eliminate bacteria.

These medical-grade dispensing components feature the same highly-engineered design as standard Optimum components. Class VI syringe barrels feature ZeroDraft™ walls with consistent internal diameters that maintain an airtight seal with Class VI pistons.

The complete Optimum Class VI system includes syringe barrels, pistons, end caps, and tip caps.

Features

- Made from 100% USP Class VI-certified virgin resin
- ZeroDraft syringe barrel walls
- Enhanced biocompatibility for medical use
- Certified safe for industrial use and manufactured in silicone-free facilities in the USA

Benefits

- Ease of process validation for regulatory approvals
- Market-leading traceability for documentation requirements
- Ability to sterilize to ensure a bacteria-free product
- Components do not contain colorants, making them easier for engineers to document for regulatory approvals



more info



Optimum Class VI Syringe Barrels

Part #	Description	Qty/Box	Color
7364595	3cc Class VI syringe barrel	50	Clear
7364592	3cc Class VI syringe barrel	1,000	Clear
7364596	5cc Class VI syringe barrel	40	Clear
7364593	5cc Class VI syringe barrel	1,000	Clear
7364597	10cc Class VI syringe barrel	30	Clear
7362189	10cc Class VI syringe barrel	1,000	Clear
7364598	30cc Class VI syringe barrel	20	Clear
7362190	30cc Class VI syringe barrel	1,000	Clear
7364599	55cc Class VI syringe barrel	15	Clear
7364594	55cc Class VI syringe barrel	500	Clear

Optimum Class VI Pistons

Part #	Description	Qty/Box	Color
7364600	3cc Class VI piston	50	Clear
7364604	3cc Class VI piston	1,000	Clear
7364601	5cc Class VI piston	40	Clear
7364605	5cc Class VI piston	1,000	Clear
7364602	10cc Class VI piston	30	Clear
7362151	10cc Class VI piston	1,000	Clear
7364603	30/55cc Class VI piston	20	Clear
7362152	30/55cc Class VI piston	1,000	Clear

Optimum Class VI End Caps

Part #	Description	Qty/Box	Color
7364606	3cc Class VI end cap	50	Clear
7364610	3cc Class VI end cap	1,000	Clear
7364607	5cc Class VI end cap	40	Clear
7364611	5cc Class VI end cap	1,000	Clear
7364608	10cc Class VI end cap	30	Clear
7364612	10cc Class VI end cap	1,000	Clear
7364609	30/55cc Class VI end cap	20	Clear
7364613	30/55cc Class VI end cap	1,000	Clear

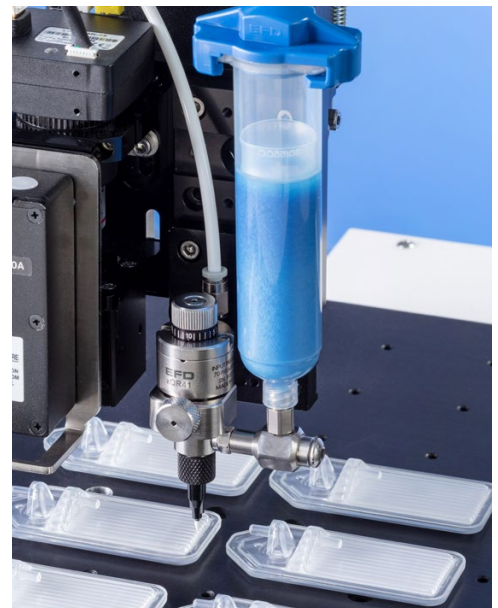
Optimum Class VI Tip Caps

Part #	Description	Qty/Box	Color
7364590	Class VI tip cap	50	Clear
7364591	Class VI tip cap	1,000	Clear

500 and 1,000 quantity part numbers come double-bagged to reduce the risk of contamination in clean rooms.



These components are manufactured from USP Class VI-certified resin.



Class VI dispensing components can be used in automated processes.



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

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