

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)	✗	✓	✓
27GA tapered tips	✓	✓	✓

* Discoloration 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 resin. This helps medical manufacturers improve process validation and traceability to more easily meet regulatory requirements. Sterilization is possible to eliminate bacteria.

These 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 pistons.

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

Note: These components are not manufactured in a clean room environment.

Features

- Made from 100% USP Class VI 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
7366097	3cc syringe barrel	100	Clear
7364592	3cc syringe barrel	1,000	Clear
7366103	5cc syringe barrel	100	Clear
7364593	5cc syringe barrel	1,000	Clear
7366091	10cc syringe barrel	100	Clear
7362189	10cc syringe barrel	1,000	Clear
7366062	30cc syringe barrel	50	Clear
7362190	30cc syringe barrel	1,000	Clear
7366068	55cc syringe barrel	50	Clear
7364594	55cc syringe barrel	1,000	Clear



These components are manufactured from USP Class VI resin.

Optimum Class VI Pistons

Part #	Description	Qty/Box	Color
7366130	3cc piston	100	Clear
7364604	3cc piston	1,000	Clear
7366137	5cc piston	100	Clear
7364605	5cc piston	1,000	Clear
7366121	10cc piston	100	Clear
7362151	10cc piston	1,000	Clear
7366080	30/55cc piston	50	Clear
7362152	30/55cc piston	1,000	Clear

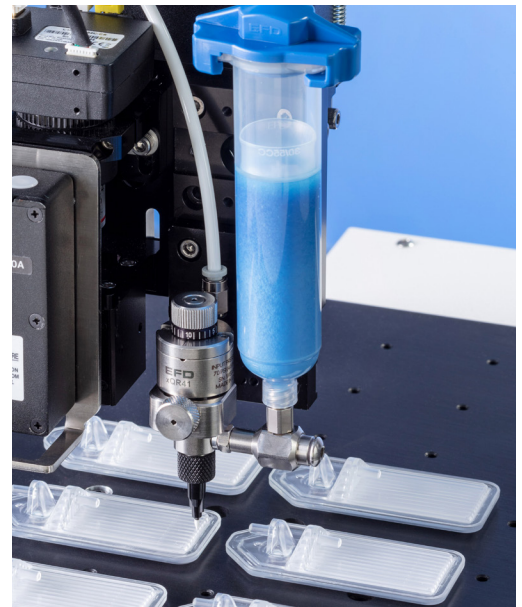
Optimum Class VI End Caps

Part #	Description	Qty/Box	Color
7366110	3cc end cap	100	Clear
7364610	3cc end cap	1,000	Clear
7366115	5cc end cap	100	Clear
7364611	5cc end cap	1,000	Clear
7366106	10cc end cap	100	Clear
7364612	10cc end cap	1,000	Clear
7366073	30/55cc end cap	50	Clear
7364613	30/55cc end cap	1,000	Clear

Optimum Class VI Tip Caps

Part #	Description	Qty/Box	Color
7364590	Tip cap	50	Clear
7364591	Tip cap	1,000	Clear

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



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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