

# Optimum Clear Flex Pistons

Flexible piston prevents piston/fluid separation



The Optimum Clear Flex Piston's flexible material is ideal for viscous fluids.

Part #	Size	Qty
7362320	3cc	50
7362317	5cc	40
7029355	10cc	30
7029551	30 / 55 / 70cc	20

Entrapped air is the leading cause of piston bounce in pulse-pressure dispensing. In piston bounce conditions, micro-bubbles and air pockets can surface between the piston and fluid. As this air builds, a lack of positive compression is created on the fluid, which can lead to inconsistent deposits.

The Nordson EFD Optimum® Clear Flex Piston is designed to minimize piston bounce by preventing air from becoming entrapped. This material and design allows the inserted piston to flex under pressure, creating a tight seal between the piston and barrel. The seal stops air from passing by the piston, making the piston less likely to bounce during dispensing. As the fluid is dispensed, the Clear Flex Piston provides an excellent wall wipe, thereby reducing fluid waste.

## Features

- Flexible LDPE\* material creates tighter fit between piston and barrel
- Prevents piston separation while dispensing
- Maintains superior barrel wall wiping
- Available in standard 3cc, 5cc, 10cc, and 30 / 55 / 70cc sizes

\* Low-density polyethylene

## Benefits

- Increased piston surface contact area with fluid — the surface tension helps to keep the piston in contact with fluid, even with some air present
- Increased flexibility of the trailing wiper to increase sealing capability of the piston from dispenser pulsing
- Increased tolerance of the piston to withstand fluid filling variations and slight blow-by
- Ideal for highly viscous or filled materials where piston bounce is a known issue
- Excellent wall wiping through entire dispense cycle — minimizing material waste



**EFD**

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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