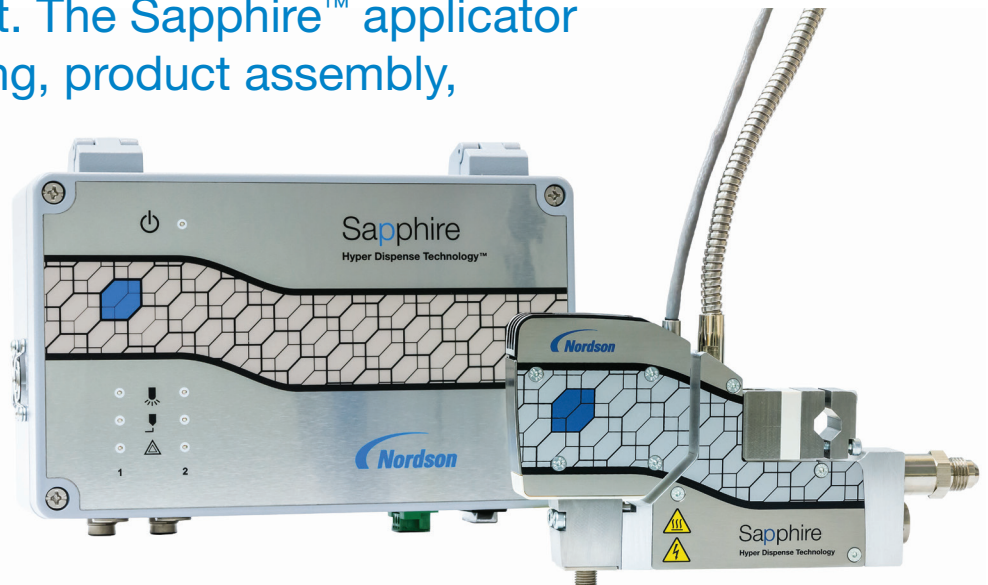


# Sapphire

## Electric Applicator

The Sapphire™ applicator is an ultra high speed applicator that delivers precise and repeatable adhesive placement. The Sapphire™ applicator is ideal for packaging, product assembly, paper, and paper converting applications.



Nordson's Sapphire electric applicator utilizes Hyper Dispense Technology for extremely high cycle rates and long life applications. The Sapphire applicator can apply dots and beads with intermittent or continuous frequency while maintaining superior accuracy and precision. The Sapphire applicator is capable of extreme long life and provides longer service intervals, for lower maintenance costs.

### Features and Benefits

- Accurately dispense adhesive at continuous cycle rates up to 250 Hz<sup>1</sup>
- Capable of up to 1600 Hz burst speeds<sup>1</sup>
- Ensures quality aesthetics by handling higher viscosity adhesives with precision
- Alternates from beads to dots with precision
- Simple setup and operation
- Low maintenance for fewer touches and line stoppages
- Electric actuation eliminates the use of compressed air
- RTD sensor produces reliable temperature readings for uniform patterns and the consistent flow of adhesive
- Integrated filtration reduces nozzle clogs and line stoppages
- Utilizes Nordson® Saturn® Nozzles for a variety of nozzle choices and the best performance in the industry.



<sup>1</sup> Actual rates will vary depending on adhesive types and application parameters.

# Sapphire Electric Applicator

## Applicator Specifications

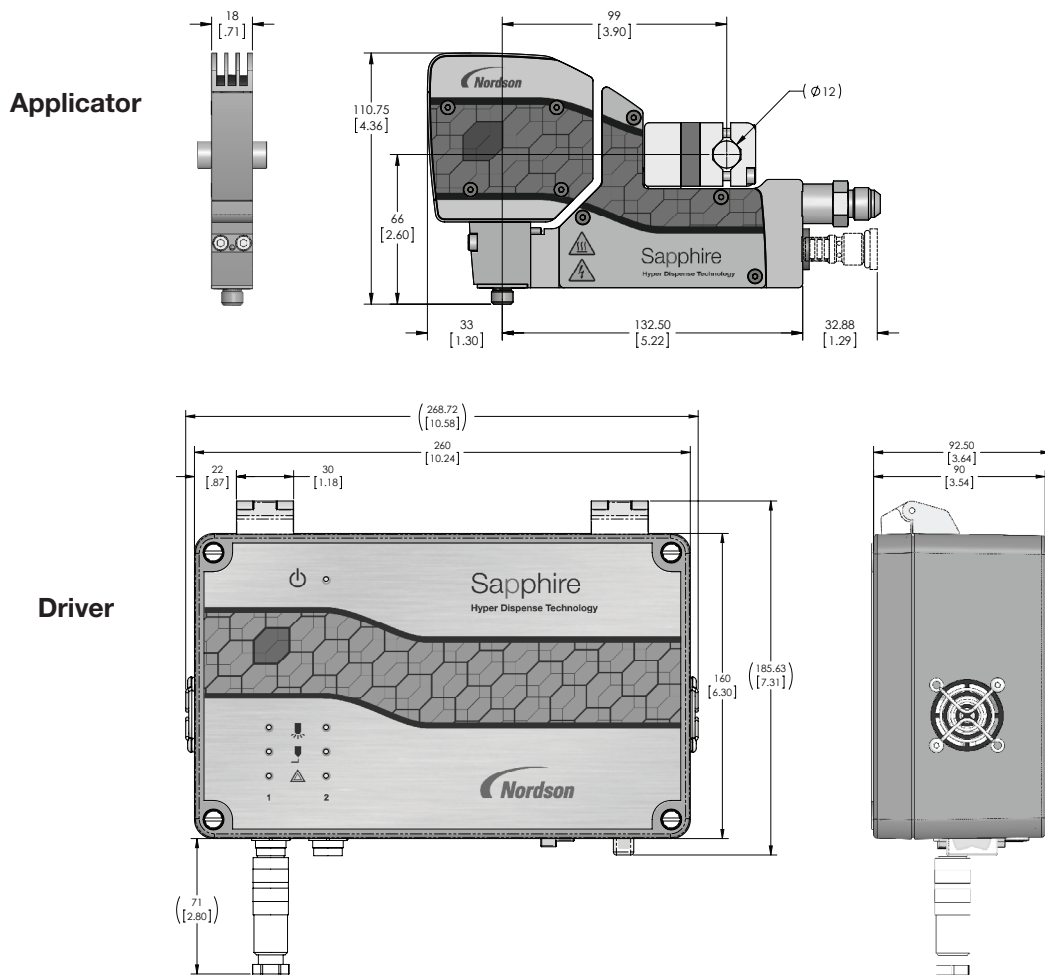
|                                  |   |
|----------------------------------|---|
| Operating Temperature            | 204 °C (400 °F) maximum                         |
| Working hydraulic pressure       | 103 bar (1500 psi) maximum                      |
| Nozzles                          | Saturn, single orifice (controlled engagements) |
| Electrical Service               | 240 VAC, 50/60 Hz; 200 VAC, 50/60 Hz optional   |
| Cycle Rate <sup>1</sup>          | 1600 Hz maximum                                 |
| Operating Viscosity <sup>1</sup> | 500-2000 cPs                                    |
| Driver                           | Sapphire driver only                            |

<sup>1</sup>Best results are typically seen between 900 and 1500 cPs. Operation above this range may result in less than ideal cutoff, but is still possible. Operation below this range may result in splatter with factory settings, but can typically be corrected via special programming. 1600 Hz is a burst speed. Continuous operation may be limited by several factors. High setpoint or environmental temperatures may require reduced cycles.

## Driver Specifications

|                    |   |
|--------------------|---|
| Capacity           | 1 or 2 channels (applicators)   |
| Electrical Service | 10 amp/24VDC dedicated power supply with peak output current of 17 amps required. |

## Dimensions



For more information, speak with your Nordson representative or contact your Nordson regional office.

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