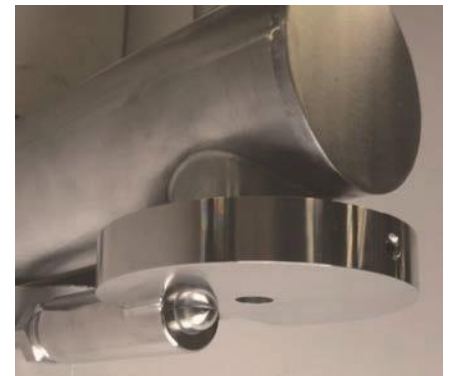


NITRODOSER® HEATER BLOCK OPTIONS

The **standard NITRODOSER® Heater Block**: Permits direct, vertical dosing and is very effective for **high speed lines with small openings**. It is all 316 stainless steel construction and kept in a warm condition by a simple 10 watt heater. An upper O-ring seals keep out moisture from the interior. A snap-on cover is furnished that must be applied before washdowns. This configuration is supplied standard on all Nitrodosers, no extra charge.



The **CIP (Clean In Place) Heater Block**: Incorporates an **automatic** shutter that closes each time dosing ceases. This provides excellent **protection from water** and sanitizing sprays in heavy wash-down environments. Dosing is direct, vertical injection. Heating and sealing characteristics are the same as the standard unit. The logic for actuating the shutter resides in the standard Nitrodoser PLC controls.



The **LDV (Low Dose-Velocity) Heater Block**: Serves to reduce the velocity and disperse the charge into a pattern that will land gently over the surface of the product. It should be specified for **aluminum can hot-fill applications where speeds are less than 750 cpm and all hot fill PET applications**. Also, applications involving solid food products will benefit by reducing the chance of LN2 splashing out of the container. Use it for dosing any powder products in order to prevent disrupting or displacing product. Use this component for pressurization of beverage bottles with headspace depths less than ¼" (6 mm) to assure the charge does not bounce out. A 16 watt heater is included in this unit.



The **3D – CIP Heater Block**: **combines the protection of the automatic shutter and the dispersion of the stream**. This is suitable for heavy wash-down environments where splashing must be reduced. Does not include velocity reduction. **For use on all cold filled aluminum can lines and on hot filled can lines at speeds greater than 750 cpm.**

