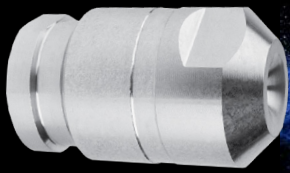


# TWIST & DRY®

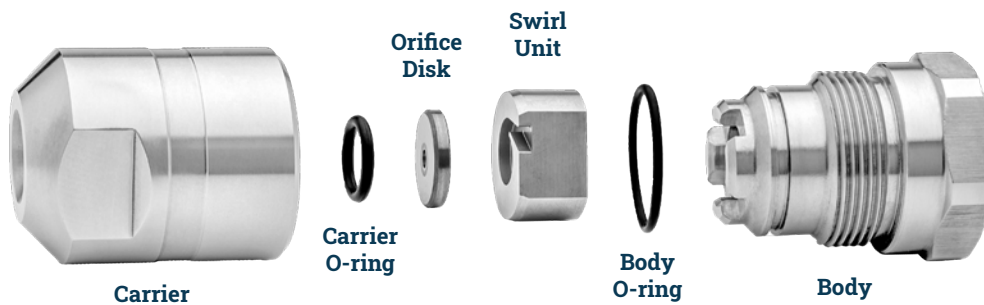
The Original Spray Dry Nozzle



## PROVEN SPRAY DRY TECHNOLOGY DEVELOPED FOR EASY MAINTENANCE & DURABILITY

Twist & Dry (TD) is an engineered solution developed by BETE to simplify your spray dry nozzle maintenance. If you operate and maintain a spray dryer, you know how challenging it can be to replace nozzle wear parts.

BETE's unique, patented locking system securely locks the swirl and orifice into the carrier during assembly and change-out. Easier installation eliminates the difficulties of replacing worn nozzle parts while on the lance inside the dryer. BETE's TD is industry-proven for consistent performance and high-strength wear resistance.



## FOR DECADES, MANY INDUSTRIES TRUST BETE SPRAY DRY NOZZLES FOR HIGH-PERFORMANCE & RELIABILITY

- Food Processing
- Dairy
- Pharmaceuticals
- Pet Food
- R&D Plants
- Nutraceuticals
- Chemical Processing
- Equipment Manufacturers



# BENEFITS OF BETE SPRAY DRY NOZZLE TECHNOLOGY

## ✓ Design Flexibility

- Over 1,000 interchangeable combinations to fit your specific flow rate and spray angle requirements
- Interchangeable with other nozzle brands
- Patented locking lug feature securely locks swirl and orifice in place with no extra parts
- One-piece swirl unit design
- Clog-resistant

## ✓ Durability & Wearability

- 218 SS body, anti-galling
- Premium grade tungsten carbide disc available for superior wear life
- FDA-Compliant materials for food processing

## ✓ High Performance

- Rated at pressures up to 10,000 psi
- High-temperature rated for 7000 psi at 800F
- Consistent particle sizes with even moisture content

## ✓ Easy Maintenance & Repair

- Hand tightens - requires no special tools for assembly of the body and carrier
- Fewer replacement components than other nozzle brands

## ✓ Quick Delivery

- Replacement swirls and discs are readily available

## THE INNOVATIVE DRIP-PRO™ CHECK VALVE

### AVOID SCORCHED PARTICLE CONTAMINATION & POST SHUT-OFF DRIPPING

The TD/TD-K Drip-Pro check valve is a patented design offering a high-flow solution to reduce drips which can lead to scorched particles or destroyed product. Fits standard BETE carriers and easy to assemble.

## MODULAR COMPONENTS DESIGNED FOR FLEXIBILITY TO MEET ALL YOUR SPRAY DRY REQUIREMENTS



**TD**

BETE's original Twist & Dry nozzle with patented locking lug feature. Single piece design and clog resistant.



**TDL**

A compact nozzle design ideal for small-scale applications and pilot testing. Same features as the TD spray dry nozzle with lower flow options.



**TD-K**

High-pressure nozzle design with PEEK back-up ring and optional Duplex carrier to allow for high-pressure applications. *TD-7K rated for 7,000 psi*  
*TD-10K rated for 10,000 psi*



**TD-HT**

High-temperature nozzle design utilizes a special body and carrier to replace traditional O-rings with metal gaskets. *Rated for 7,000 psi at 800°F*



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