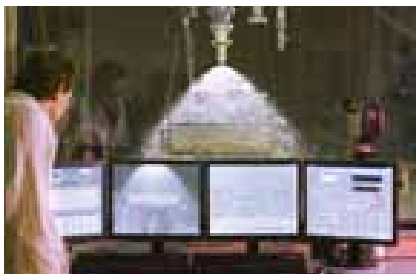


BETE Fog Nozzle, Inc.

BETE nozzles are used in every phase of the dairy and food processing industry. Spray droplets formed by BETE nozzles can neutralize micron-size pollutants, apply colorants and flavorings, and clean processing machinery automatically. Our nozzles are also used for reliable washing, sanitizing, lubrication, and drying during the packaging or bottling process. In addition, BETE's sales, engineering, and technical service teams have the experience to support you during trial runs and will work with you to create the best solution for your spraying system.

BETE is the only nozzle manufacturer with a complete in-house investment casting foundry, allowing for precise and economical ways to produce complex shapes in alloys that are difficult or too expensive to machine.

In addition, BETE offers many specialized processes such as the welding department, which is fully qualified to ASME Section VIII. This makes it possible to design nozzles combining alloys having superior anti-abrasion or corrosion properties with those having excellent machinability or weldability. Other specialized processes include plasma spray coating, plating, heat treating, grinding, ceramic fabrication and filament winding of FRP.



BETE's advanced CIM (Computer Integrated Manufacturing) environment links CAD workstations, a CAM part programming system and CNC machine

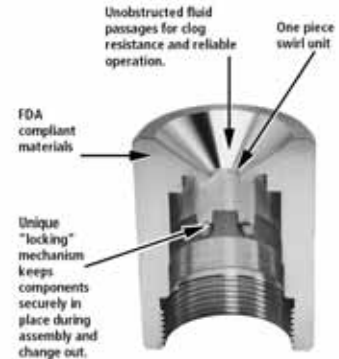
tools. This makes it possible to manufacture any one of thousands of products within a short time, while providing reliable delivery forecasts.

BETE makes over 20,000 different nozzles. **In particular, the Twist & Dry™ has a proven track record for spray drying of cheese, whey and milk.**



The Twist & Dry™ spray dry nozzle features the innovative thick swirl unit. The robust design lasts longer, reducing dryer operating costs. Design features include:

- Patented locking mechanism for quick and easy change-out and maintenance
- Choose TD-K to operate at high pressures for greater yield capacity
- PEEK backup ring with Viton® 90 O-rings or Silicone (for higher temperatures)
- Female threaded or butt weld pipe connections
- Easy assembly, no special tools required
- Orifice size: 0.034" through 0.182"
- Interchangeable swirl and orifice discs for variable patterns and flow rates



Cutaway view of the Twist & Dry carrier

SPRAY CHARACTERISTICS

- Hollow Cone

Flow rates: 8.94 to 1570 gph

Spray angle: 50°, 55°, 60°, 65°, 70°, 75°, 80°

BETE has expanded the range of the Twist & Dry™ series with the new TD-K. A new high-pressure backup ring on the TD body raises capacity from 3,500 psi to 10,000 psi for operating conditions up to 450° F. The modified design provides greater yield capacity and safe, leak-proof operation at 10,000 psi.

BETE developed this addition to the TD series in response to dryer operators who wanted to increase yield by operating at higher pressures. The new high-pressure TD nozzle provides customers the opportunity to increase productivity while maintaining the convenient locking mechanism and superior performance of our TD Twist & Dry™ nozzles.

BETE Fog Nozzle, Inc.

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