DRIP-PRO™ CHECK VALVE

Add-On For Twist & Dry® TD/TD-K Spray Dry Nozzle





INNOVATIVE SPRAY DRY TECHNOLOGY FOR UNIFORM POWDER & LONGER RUN TIMES

Twist & Dry Drip-Pro Check Valve improves flow, reduces pressure loss and blockage, and prevents scorched particle contamination. The Drip-Pro Check Valve body is compatible with the Twist & Dry TD/TD-K carriers. This nozzle design evolved from a Spray Dry Original Equipment Manufacturer (OEM). Their customer experienced post-nozzle-drip from their spray dryer, resulting in scorched particles that compromised the quality of their milk powder. This common problem led to the development and design of the Drip-Pro Check Valve, one of the industry's top-performing anti-drip spray valves today. The Drip-Pro Check Valve is ideal for small batches that cannot tolerate contamination.

The check valve allows fluid (liquid or gas) to flow in only one direction. It will open at a minimum pressure avoiding inconsistent start-up flow, and reseal upon shut-down to prevent the unwanted drips that often lead to scorched particles and product contamination.



BENEFITS OF THE DRIP-PRO CHECK VALVE

Design Flexibility

- Variety of valve spring options to optimize pressure
- Optional materials available for seals to increase wear life

Easy Maintenance

· System is easy to clean and assemble

High-Performance

- Removable seal guide keeps seals concentric for reliable sealing & seating
- High-flow design delivers longer run times

Durability & Wearability

- Replaceable seal inserts increase valve body seat life and prevent damage
- Unique, patented high-flow spring cage keeps parts contained in the nozzle body

DRIP-PRO™ CHECK VALVE A Smarter Approach to Control Drips & Scorched Particles

BETE Twist & Dry

BETE Twist & Dry sealing options: Standard & optional high-pressure series with back-up ring provision.

Various spring options:

Allows optimized spring pressure and seal combinations for longer seal life and reliable shut off.

Check valve with replaceable seal wears longer and can be easily removed for cleaning.

Unique, patented removable seal guide keeps low-cost seals concentric for reliable seating and sealing while increasing valve body seat life. Proven one-piece swirl and orifice design deliver high-quality spray performance and uniform powder.

Stainless steel material is standard on all designs and is resistant to thread galling, which helps combat seized carriers (caps).

Unique, patented high-flow spring cage with bayonet action keeps valve parts contained in the nozzle body during swirl and disc changes along with keeping valve components concentric for reliable action. This design prevents springs from popping out during disassembly.

Low-cost replaceable soft seal is available in a range of materials and ensures improved sealing without damage to the nozzle body seat.







TD-K

Drip-Pro Check Valve is compatible with TD and TD-K nozzles.

