



# VERSATILE-SD™ Versatile Spray Dryer for Food (VSD/F)

Just lower it into place and start running

NEW STANDARD CONCEPT



Insert standard  
spray dryer

# PLUG

- Compact plug and play unit
- World-class GEA Niro quality
- Modular stand-alone system
- Pre-tested and ready to assemble
- Easy to operate and clean
- Built to EU standards
- Designed to handle food stuffs
- Powder explosion protection design
- Optional features including CIP

*If you're short of space or time—but not ideas—here's the spray dryer you've been hoping for. The VSD/F is a perfect fit for the small enterprise with a new food concept—or a global R&D department launching limited runs of high-value products.*

*Add a concrete slab, about 8-10 meters of overhead and utilities, and your high-quality GEA Niro spray dryer is up and running.*



# Rush products to market

At GEA Niro we know a lot about spray drying—including the fact that not every plant needs to be custom built. That's why we've designed a standard unit that can be installed in a fraction of the time—and in a fraction of the space—traditionally required. It's a sensible choice for any company wanting to cut time to market but not quality.

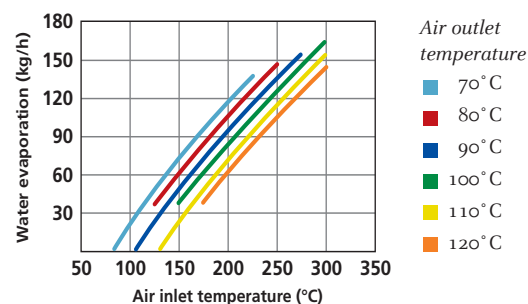
Not only is the VSD/F compact, easy to install and affordable, it's highly versatile. Four configurations and three sizes provide the flexibility needed to produce different foods, flavors and other products, to the scale required. And units can be quickly reconfigured or expanded, thanks to the concept's modularity. Like all GEA Niro plants used in foodstuff applications, the VSD/F is equipped with appropriate hygiene, safety and monitoring features.

All VSD/F configurations include the following: indirect gas heater, rotary atomizer, chamber with swan's neck, and an exhaust system that can be either cyclone only, bag filter only, cyclone plus bag filter, or cyclone plus scrubber.

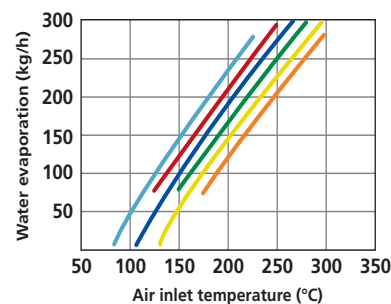
For more information please see [www.niro.com](http://www.niro.com) or contact us at [foda@niro.dk](mailto:foda@niro.dk)

*Choose the plant size that matches your marketing and production plans.*

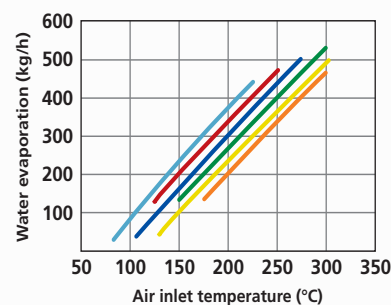
VSD-25 co-current atomization



VSD-50 co-current atomization



VSD-80 co-current atomization



# SPRAY



## Experience

GEA Niro has contracted and installed more than 10,000 plants worldwide

GEA Niro is a world leader in industrial drying, with spray drying, spray cooling/congealing, flash drying, freeze drying, granulation and fluid bed processing as core technologies. Having installed more than 10,000 plants around the globe, GEA Niro is known for delivering solutions that meet customers' exact requirements. The GEA Niro companies are part of the Process Engineering Division of the GEA Group.



Process Engineering

### GEA Niro

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