



Anhydro Small Scale Spin Flash Type SFD-47

The SFD 47 is the smallest Spin Flash Dryer in the Small Scale Plants range, and is designed for scientific test work, industrial R&D, as well as for small-scale production.



Equipment Supply, Basic Plant

- Feed pump, feed tank, water tank and feed pipe
- Feed vat with agitator
- Feed screw
- Air intake filter, electrical heater for main air, and hot air duct
- Drying chamber with classifier
- Cyclone with powder container
- Fan and ducts
- Control panel with PLC, graphical soft-touch colour screen and data-logging facility
- Support structure

Optional Equipment

- Peristaltic feed pump
- Nozzle atomizer
- Cartridge filter
- Additional powder container
- Additional heating section

Optional Equipment

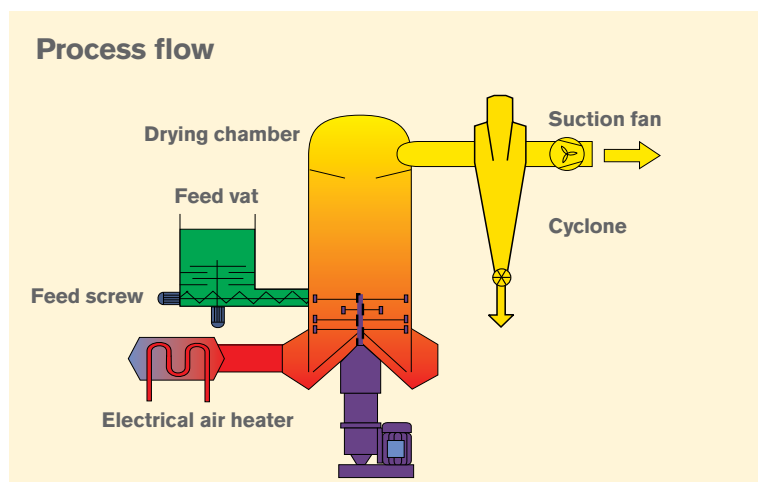
- Closed Circuit version
- Easy Clean version



The Anhydro Pilot Spin Flash Dryer, Type SFD 47 is based on the unique drying concept developed and patented by SPX Flow Technology Danmark A/S.

The Spin Flash Dryer, Type SFD 47 has been specially designed for small-scale production and test work on both campaign and continuous production basis. SFD 47 is delivered as a complete standardised unit including the core drying plant, support frame, PLC control system, safety system, cabling and wiring, packing and full documentation.

Spin Flash Dryers are designed for continuous drying of viscous pastes, slurries and filter cakes and is generally considered a very economical drying process compared to e.g. spray drying.



Technical data

Process Design Data:

Floor space	1.34x1.84 m
Height, basic plant	1.65 m
Recommended free height	2.00 m
Shipping volume	6.0 m ³
Weight, Gross	800 kg
Weight, Net	450 kg

Power:

Power supply	3 x 400 V
or	3 x 230 V
Electrical air heater	36 kW
Suction fan	2.7 kW
Chamber rotor	1.1 kW
Feed screw	0.55 kW
Feed vat agitator	0.55 kW

Capacity:

Water evaporation rate	40kg/h
Max. inlet air temperature	320°C
Air flow, controlled	400 m ³ /h

Pressure:

Pressure shock resistance	10 bar (g)
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Noise emission:

Noise emission, approx.:	80 dB(C)
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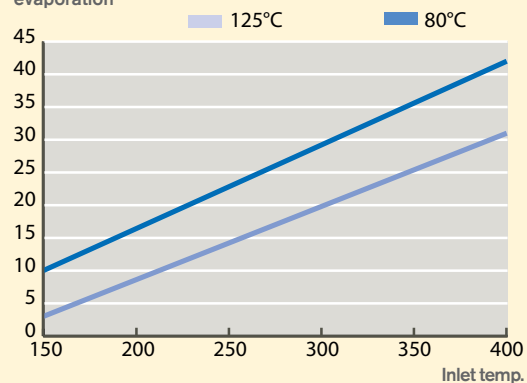
Materials:

Product Contact Parts	AISI 316
External surfaces	AISI 304

CE mark:

CE mark	ACC. to EU regulations
Quality Assurance	ISO 9001

Water evaporation



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