

Anhydro Spin Flash Type SFD 51

Small Scale

The Anhydro spin flash dryer type SFD 51 is a small-scale plant designed for continuous drying of viscous pastes, slurries and filter cakes and it is an economical drying process compared to e.g. spray drying. It is suitable for large scale testing and small-scale production at high temperatures.

The design of the Anhydro spin flash dryer type SFD 51 is based on a unique drying concept developed and patented by SPX and it is delivered as a complete standardised unit.

Equipment Supply for a Basic Plant

- Feed vat with agitator
- Feed screw
- Air intake filter, electrical heater for main air, and hot air duct
- Drying chamber with classifier
- Exhaust filter with rotary valve
- Fan and ducts
- Control panel with PLC and color touch screen
- Support structure

Optional Equipment

- Data-logging facility
- Liquid feed system
- Cyclone
- Rupture disc for filter



Other Version

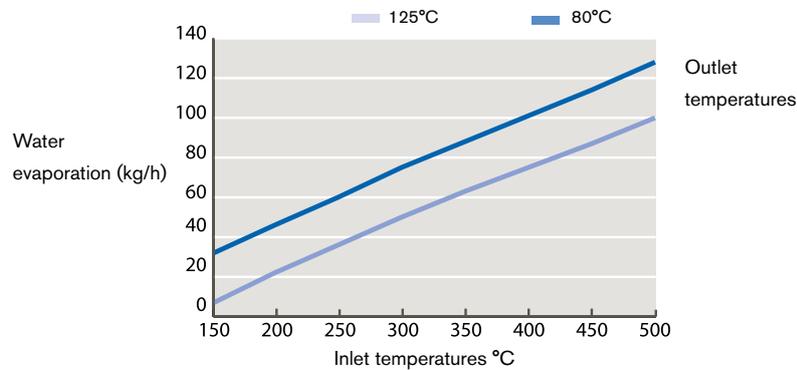
- Closed circuit

ANHYDRO SFD 51	
POWER SUPPLY	3x400 V OR 3x230 V
SUCTION FAN	6.0 kW
CHAMBER ROTOR	3.0 kW
FEED SCREW	1.5 kW
FEED VAT AGITATOR	1.1 kW
ROTARY VALVE	0.55 kW
MAX. WATER EVAPORATION RATE	120 KG/H
MAX. AIR INLET TEMPERATURE	500°C
AIR FLOW, CONTROLLED	1,000 M ³ /H
AIR FLOW, MAX.	1,200 M ³ /H
PRESSURE SHOCK RESISTANCE, PLANT	10 BAR (G)
PRESSURE SHOCK RESISTANCE, FILTER	1 BAR (G)

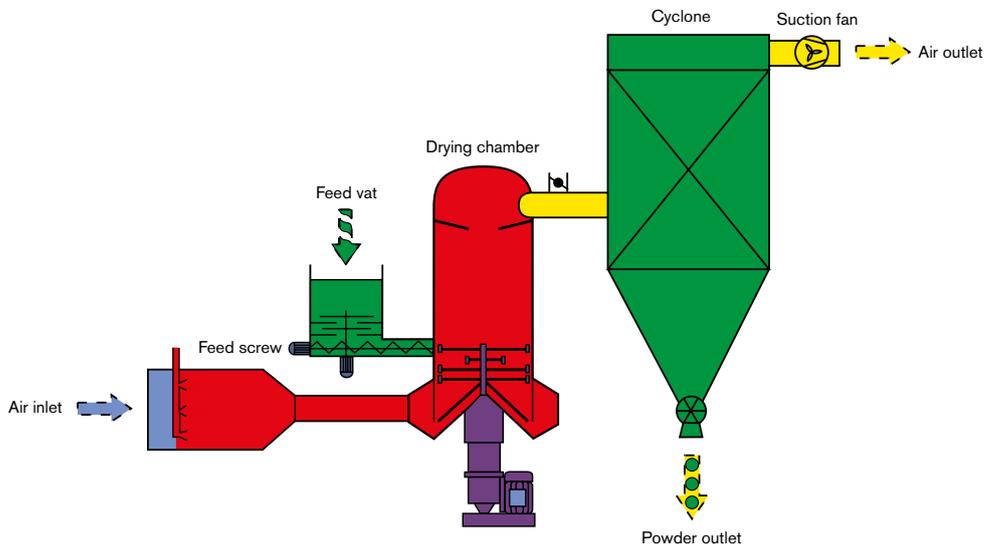
ANHYDRO SFD 51	
NOISE EMISSION*	85 dB (A)
PRODUCT CONTACTING PARTS	AISI 316
NON-PRODUCT CONTACTING SURFACES	AISI 304
HOT AIR PARTS	AISI 312
FLOOR SPACE (LxW)	4.60x3.30 M
HEIGHT, BASIC PLANT	4.0 M
RECOMMENDED FREE HEIGHT	5.50 M
SHIPPING VOLUME, PLANT*	14 M ³
SHIPPING VOLUME, FILTER*	20 M ³
WEIGHT, NET, PLANT*	1,350 KG
WEIGHT, NET, FILTER*	800 KG

* Approximately

The spin flash dryer SFD 51 complies with regulations and standards according to CE, and ISO 9001.



Process flow



Based in Charlotte, North Carolina, SPX FLOW, Inc. (NYSE: FLOW) is a multi-industry manufacturing leader. For more information, please visit www.spxflow.com

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