



**Niro Swirl Fluidizer Flash Dryer SEF-6.3**

<b>Ref.</b>	<b>SHS-01</b>
Manufacturer	Niro
Model	Swirl Fluidizer SEF 6.3
Year of manufacturer	1999
Material	AISI 304 ( AISI 316 & 316L contact parts)
Drying capacity	10-75 kg/hour of water evaporation
Separation system	Teflon Bag filter
Heating system	Gas heater ( Max temperature 550°C)
Feed system	Feed tank and dosing screw feeder
Ventilation system	Fan in soundproof box. 5.5 KW motor
	Air flow of the process at 200°C : 630 Kg/hr.
Working Hours	7500 hours
Product previously used for	Boron Nitrides Cakes ( A chemical inert material with high chemical stability, good electrical isolation properties, refractory and good lubricant properties

<b>Technical data</b>	The data show the drying of solid with 56% humidity with an inlet air temperature of 350°C and exit temp. of 140°C	
	<b>Test condition</b>	<b>Maximum</b>
Feed flow rate	90 kg/hr	120 kg/hr
Evaporation capacity	50 kg/hr	66 kg/hr
Product capacity	40 kg/hr	53 kg/hr
Air flow rate	559 kg/hr	559 kg/hr
Inlet maximum air temperature	350°C	450°C
Exit air temperature	140°C	140°C
Heat consumption	52kWh/h	68 kWh/h
Compressed air consumption (bag filter)	11 Nm3/h	11 Nm3/h