

Screw Feeder SFZ**

(for semi-continuous processing)

Application

screw feeding of powder materials

- Simoloyer® semi-continuous processing
- constant powder flow
- feeding of defined amounts
- quasi death zone free
- adaptation to almost all DN-sizes (ISO-KF & larger)

Dimensions SFZ**

unit size	63	100	other upon inquiry
inner tube diameter [mm]	68	100	
outer tube diameter [mm]	76	108	
volume [l/m]	3,7	7,5	
unit-length [mm]	1000-2000 (standard)	1000-2750 (standard)	
operation length (standard) [mm]	1728	2478	
net-weight [kg, approx.]	60	80	
ports main	DN63	DN100	
connection tube length [mm]	240/240 (in/out)	200/200 (in/out)	
diameter of screw [mm]	50	90	
power [V / Hz / kW]	400 / 50 / 0,5	400 / 50 / 0,75	
nominal rpm at 50Hz	14	17,5	
max. rpm	20	24,5	
power control	frequency converter / control box		
max. feeding amount [l/h]	depending on material's properties (density, particle size/form)		
used feeding amounts [kg _{GBS} ⁽¹⁾ /h]	5,6-70	50-190/500 ⁽²⁾	
port auxiliary	possible		
operation pressure	1 bar max., evacuation max. 3x10 ⁻¹ hPa		
operation temperature [°C, max.]	45		
material	steel, ports stainless steel 1.4301		
seals	NBR		
definition example	screw-feeder SFZ63-2000 (standard, length 2 meters) screw-feeder SFZ100-2750 (standard, length 2,75 meters)		

(1): GBS = granulated blast furnace slag

(2): used: 190kg/h with 30% drive-power, >>500kg/h expected with 100% drive power

SFZ63	SFZ100
	
SFZ63 at Simoloyer® CM20-s1	SFZ100 at Simoloyer® CM100b-s1

technical data subject to alterations