

Vacuum Screw Feeder VSF

- charging at semi-continuous processing-

application

VSF vacuum screw feeder allows continuous transfer of powder materials under controlled condition, is vacuum-tight to outside, can be operated under vacuum or inert atmosphere. Utilization for charging carrier-gas or Simoloyer® in semi-continuous processing for dead-zone free and constant powder flow. Standard KF-ports, control by Maltoz® optional.



technical data, dimensions

unit size	VSF50	VSF63	VSF100	VSF160
transfer tube dia. [mm]	68/76	68/76	100/108	160/168
standard volume [l/m]	3,7	3,7	7,5	10,2
standard unit-length [mm]	1000-2000	1000-2000	1000-2750	1000-3500
operation length [mm]	1728	1728	2478	3210
net-weight [kg]	60	60	80	95
ports main	DN50	DN63	DN100	DN160
cross-tubes length [mm]	240	240	200	200
diameter of screw [mm]	50	50	90	150
power [V / Hz / kW]	400/50/0,5	400/50/0,5	400/50/0,75	400/50/1,10
nominal rpm at 50Hz	14	14	17,5	17,5
max. rpm	20	20	24,5	24,5
power control	frequency converter + control unit			
feeding e.g. GBS* [kg/h]	5,6-70	5,6-70	50-190/500**	75-750
ports auxiliary gas/vacuum	optional			
operation pressure & temp.	1 bar max., evacuation max. 3x10-1hPa, 45°C			
material & seals	steel, ports stainless steel 1.4301, NBR			
definition example	vacuum screw feeder VSF50-2000 (length standard, 2 m)			
*GBS granulated blast furnace slag	**190kg/h at 30% drive-power >> 500kg/h at full power			

