

FLOCCULANT UNITS

Technical Specification Sheet



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Picture similar

MODEL: FLOCCULANT UNIT
MACHINE TYPE: POWDER POLYMER MIXING AND DOSING SYSTEM
DESCRIPTION:
 Automatic preparation, mixing and dosing of polymer solution. Unit includes conveyor for powder polymer, three chambers, dosing pumps for the polymer solution and agitators.

COMPONENTS	
20ft container	PD 5000/PD 6000 Flocculant Unit Lighting Heating installation
PD 5000/ PD 6000	Mixing and dosing unit Siemens PLC Control System Preparation, maturing and extraction chamber Dosing Pumps Conveyor System, nozzle and additional components Flow meter Pipe work in PVC

DIMENSIONS		
20ft container	Length:	6.058 mm
	Width:	2.438 mm
	Height:	2.591 mm
WEIGHT		
20ft container		3.500 kg

PD 5000

MIXING UNIT	
Capacity	6.250 l/h
Maturing time	Product amount in 45 minutes
Capacity	5.000 l/h
Maturing time	Product amount in 60 minutes

DOSING PUMPS	
Capacity	260 – 2.600 l/h
Units	2
Pressure	3 bar (nominal) 6 bar (max.)
Type	Eccentric Screw Pump
Power	2 x 1,5 kW

AGITATORS	
Power requirement	3 x 1,1 kW
Speed	100 rpm

ELECTRICAL	
Screw auger motor	170 W
Power requirement polymer unit	4 kW
Dosing Pumps	3 kW (PD 5000) 4,4 kW (PD 6000)
Voltage	400 V
Frequency	50 Hz
Total power requirement	10 kW

PD 6000

MIXING UNIT	
Capacity	7.250 l/h
Maturing time	Product amount in 45 minutes
Capacity	6.000 l/h
Maturing time	Product amount in 60 minutes

DOSING PUMPS	
Capacity	600 – 6.000 l/h
Units	2
Pressure	3 bar (nominal) 6 bar (max.)
Type	Eccentric Screw Pump
Power	2 x 2,2 kW

AGITATORS	
Power requirement	3 x 1,1 kW
Speed	100 rpm

POLYMER	
Type	Powder, wide range of polymers available
Packing	Net plastic sacks or big-bags

WATER CONNECTION REQUIREMENTS	
Pressure	2,5 bar
Flow	6.250 l/h (PD 5000) or 7.250 l/h (PD 6000) of technically clean water