

Mixing Plant OM 500-4-3A



Fully automatic unit, with menu control

Application area: grouting, jet-grouting, flush-drilling, slurry-trench walls

Mixing material: solid agent suspensions

Holding tank without pump-off function

Tank made of steel



Technical Data

Drive		: electric
Mixer and agitator drives		: 12.1 kW
Total drive power		: 13.3 kW
total required power		: 13.8 kW plus helical conveyors
Connections	- Electric	: 1 x CEE 32 A/ 380 V, 50 Hz
	- Water	: C-coupling
	- Solid agents	: 2 x DN 200 for sliding connectors
	- Suspension outlet	: 1 x DN 80, 3 x DN 50 with blind cover
	- Magnetic valve for silo loosening up	: 2 x socket AFO1A, 24 VDC
	- Control plug	: _____ for controlled switch cabinets ES-15/ ES-30
Dimensions (L, W, H)		: 2650 x 1750 x 2520 (mm)
Weight		: ca. 2700 kg

Performance

Mixer:	10 m ³ /h	at 20 cycles
	13 m ³ /h	at 26 cycles

OM 500-4-3A Assembly groups/machine technology

Frame:

tubular steel, one lifting eye, fork lift slots,
paint RAL 3000 (red)

Operating elements:

mixer control buttons/switches, fully automatic menu
control, additional operating elements for manual
operation

Mixing tank:

round steel tank, conical bottom,
cleaning hatch at the bottom,
tank capacity: 650 l, working capacity : 500 l
two openings \varnothing 200 for solid agent adding

Holding tank:

round steel tank, bottom upwards conical,
cleaning hatch at the bottom,
tank capacity: 1150 l, working capacity 1000 l

Compressed air supply:

Electric motor 1.2 kW, 380 V, 50 Hz, IP 54,
150 l/min delivery rate, operation pressure 10 bars max.

Special equipment:

SA Liquid inlet:

SA1 Water distributor with flushing connection ID 50/R 2"

SA2 Flowmeter for liquid component dosage
incl. isolating valve

SB Solid agent adding

SB1 Dust-removing filter

SC Liquid outlet:

SC4 Controlled, compressed air operated outlet and
flushing valves

SC5 Flowmeter MAQ,

SD Unit control / Data registration:

SD4 Additive weighing system or up to 5 components

SD5 Impulse sender for silo aeration

SD6 Control connection for silo vibrator

SD8 Data registration for separate print-out

SD9 Remote control connection

SE Unit frame / Unit cleaning:

SE2 Lift-up rain protection cover

SF Others:

SF5 Unit lighting

SF6 Switch cabinet heating

SF7 Choice of power supply socket

SF8 Choice of drive voltage and frequency

Complementary equipment:

Grouting containers, grouting pumps, pressure and volume recorders, helical conveyors

Electrics:

Electric motor for mixer drive in the mixing tank

11 kW, 380 V, 50 Hz, IP 54,

Electric motor for agitator drive

1.1 kW, 380 V, 50 Hz, IP 54,

Main switch, motor protection switch

Autom. phase correction, ground wire not necessary

Water dosage:

Water holding and dosing tank V = 500 l,

Filling level measurement with ultrasound

Tools in the mixing tank:

primary mixing tools,

two high-speed mixing tools on the same

shaft with pump-off function,

drive bearings over the mixer level,

no package seals, therefore no problems when running
dry

Tools in the holding tank:

Agitating tools,

slow rotation, spiral configuration,

drive bearings above the mixer level,

no package seals, therefore no problems when running
dry

Accessories:

Special tools for operation and maintenance

Operation manual and spare parts list

2 sliding connectors ID 200 for solid agent inflow

Optional extras:

ZWB Solid agent adding:

ZWB2 Helical conveyors FS-DK...

ZWB3 Helical conveyors FS...

ZWB4 Collector for solid agent inflow

ZWB5 Silo outlet hose

ZWB6 Hopper with sack ripper

ZWD Unit control / Data registration:

ZWD2 Controlled switch cabinets ES-15/ ES-30

ZWD3 Remote control

ZWD4 Data evaluation unit LOG AG1

ZWD5 Data evaluation software for PC _____

ZWF Others:

ZWF1 Spare part sets

ZWF2 Special tool sets

ZWF3 Hose-binding tools