

# Batch mixers

## Without integrated storage tank

## Batch mixers

Separate storage tank is recommended acc. to application  
Manual and semi-automatic units up to 13 m<sup>3</sup>/h

Type	M 170/2	MP 100-3	MP 200-3	MP 500-3	MPB 1000
Performance at 10 cycles/h <sup>1)</sup>					10.0 m <sup>3</sup> /h
Performance at 20 cycles/h <sup>1)</sup>	2 x 1.5 m <sup>3</sup> /h	2.0 m <sup>3</sup> /h	4.0 m <sup>3</sup> /h	10.0 m <sup>3</sup> /h	20.0 m <sup>3</sup> /h
Performance at 26 cycles/h <sup>2)</sup>		2.6 m <sup>3</sup> /h	5.2 m <sup>3</sup> /h	13.0 m <sup>3</sup> /h	
Mixer tank working capacity	2 x 170 l	100 l	200 l	500 l	1000 l
Water dosage tank working capacity	2 x 160 l	80 l	160 l	500 l	
Mixer with pumping-off function		●	●	●	
2 pc. mixer tanks for two-way mixer and agitator function by rotation speed adjustment	●				
Electric drive 400 V/ 50 Hz	2 x 4 kW	5.5 kW	7.5 kW	11.0 kW	11.0 kW
<b>Application areas:</b>					
• Mixing	●	●	●	●	●
• Truck mixing/ storing					●
• Grouting		●	●	●	
• Grout anchors	●	●	●	●	
• Filling works			●	●	
• Soil mixing				●	
• Cement-suspensions			●	●	
• Bentonite-suspensions			●	●	●



**MP 500-3**

1) = Charging with bag cement

2) = Cement charging with FS-DK 160-2.6

# Batch mixers

Fully automatic units, mixer performance up to 41.6 m<sup>3</sup>/h

Type	MP 500-4	MP 1000	MPR 800	MPR 2/800
Performance at 20 cycles/h	10.0 m <sup>3</sup> /h	20.0 m <sup>3</sup> /h	16.0 m <sup>3</sup> /h	32.0 m <sup>3</sup> /h
Performance at 26 cycles/h	13.0 m <sup>3</sup> /h	26.0 m <sup>3</sup> /h	20.8 m <sup>3</sup> /h	41.6 m <sup>3</sup> /h
Performance at 30 cycles/h		30.0 m <sup>3</sup> /h		
Mixer tank working capacity	500 l	1000 l	800 l	2 x 800 l
Water dosage tank working capacity	500 l	1000 l	800 l	2 x 800 l
High-speed mixer drive	●	●	●	●
Counter-rotating double mixer drive			●	●
Electric drive 400 V/ 50 Hz	13 kW	25 kW	17 kW	29 kW
Plus controlled electric connection for charging auger/ silo vibrator	●			

## Application areas:

• Grouting	●			
• Grout anchors	●			
• High-pressure grouting	●	●	●	●
• Slurry-, seal- and narrow walls		●	●	●
• Filling works	●	●	●	●
• Soil mixing	●	●	●	●
• Cement-suspensions	●	●	●	●
• Bentonite-suspensions	●	●	●	●



MP 1000

# Continuous batch mixers

## Continuous batch mixing system

## Continuous batch mixers

Continuous batch mixing system

Fully automatic units, mixing performance up to 48 m<sup>3</sup>/h

No separate storage tank needed

Type

OM 300/2-21

OM 600/2-36

OM 1000/2-48

Performance at 24 double cycles/h			48.0 m <sup>3</sup> /h
Performance at 32 double cycles/h		36.0 m <sup>3</sup> /h	
Performance at 35 double cycles/h	21.0 m <sup>3</sup> /h		
Mixer tank working capacity	2 x 300 l	2 x 600 l	2 x 1000 l
Water dosage tank working capacity	approx. 400 l	approx. 700 l	approx. 1100 l
Electric drive 400 V/ 50 Hz incl. charging augers	30 kW	54 kW	88 kW

### Application areas:

• Grouting	•		
• Jet-grouting	•		
• Slurry-, seal- and narrow walls	•	•	•
• Filling works	•	•	•
• Soil mixing	•	•	•
• Cement-suspensions	•	•	•
• Bentonite-suspensions	•	•	•



Mixing plant OM 1000/2-48  
with hydraulically driven  
charging augers

# Mixing plants

incl. storage tanks

## Batch mixing plants

Semi-automatic units up to 13 m<sup>3</sup>/h

Consisting of mixer, water dosage tank (option) and storage tank with agitator

Type

OM 100

OM 200

OM 500-3

Performance at 20 cycles/h <sup>1)</sup>	2.0 m <sup>3</sup> /h	4.0 m <sup>3</sup> /h	10.0 m <sup>3</sup> /h
Performance at 26 cycles/h <sup>2)</sup>	2.6 m <sup>3</sup> /h	5.2 m <sup>3</sup> /h	13.0 m <sup>3</sup> /h
Mixer tank working capacity	100 l	200 l	500 l
Water dosage tank working capacity	100 l	200 l	500 l
Storage tank working capacity approx.	200 l	400 l	1000 l
Electric drive 400 V/ 50 Hz	6.7 kW	8.7 kW	12.4 kW

### Application areas:

- Grouting
- Grout anchors
- Filling works
- Cement-suspensions
- Bentonite-suspensions

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OM 100



OM 200

1) = Charging with bag cement

2) = Cement charging with FS-DK 160-2.6

# Batch mixing plants

Fully automatic units, mixing performance up to 26 m<sup>3</sup>/h

Consisting of mixer, water dosage tank and storage tank with agitator

Type	OM 200-W	OM 500-5	OMP 800	OMP 1000
Performance at 20 cycles/h	4.0 m <sup>3</sup> /h	10.0 m <sup>3</sup> /h	16.0 m <sup>3</sup> /h	20.0 m <sup>3</sup> /h
Performance at 26 cycles/h	5.2 m <sup>3</sup> /h	13.0 m <sup>3</sup> /h	20.8 m <sup>3</sup> /h	26.0 m <sup>3</sup> /h
Performance at 36 cycles/h	7.2 m <sup>3</sup> /h	18.0 m <sup>3</sup> /h	28.8 m <sup>3</sup> /h	36.0 m <sup>3</sup> /h
Mixer tank working capacity	200 l	500 l	800 l	1000 l
Water dosage tank working capacity	180 l	400 l	800 l	1000 l
Storage tank working capacity	500 l	1500/ 2000 l	1600 l	2000 l
Feed pump		Option	Standard	Option
Electric drive 400 V/ 50 Hz Plus controlled electric connection for charging augers/ silo vibrator	13.0 kW	19.0 kW	29.0 kW	32.6 kW

## Application areas:

• Grouting	•	•		
• Grout anchors	•	•		
• Jet-grouting			•	•
• Filling works		•	•	•
• Soil mixing		•	•	•
• Cement-suspensions	•	•	•	•
• Bentonite-suspensions	•	•	•	•



# Batch mixing plants

Mixing performance up to 5.2 m<sup>3</sup>/h  
– especially suitable for micro cement

Consisting of mixer, water dosage tank (option) and storage tank with truck mixer and recirculation function

Type	OMN 100	OMN 200
Performance at 12 cycles/h <sup>1)</sup>	1.2 m <sup>3</sup> /h	2.4 m <sup>3</sup> /h
Performance at 20 cycles/h <sup>1)</sup>	2.0 m <sup>3</sup> /h	4.0 m <sup>3</sup> /h
Performance at 26 cycles/h <sup>2)</sup>	2.6 m <sup>3</sup> /h	5.2 m <sup>3</sup> /h
Mixer tank working capacity	100 l	200 l
Water dosage tank working capacity	100 l	200 l
Truck mixing and storage tank working capacity	200 l	300 l
Inlet flow connection	●	●
Return flow connection	●	●
Outlet connection at suspension distributor	4 pc.	4-6 pc.
Electric drive 400 V/ 50 Hz	11.2 kW	15.2 kW
<b>Application areas:</b>		
● Grouting with micro cement	●	●
● Grout anchors	●	●
● Cement-suspensions	●	●
● Bentonite-suspensions	●	●



OMN 100



OMN 200

1) = Charging with bag cement  
2) = Cement charging with FS-DK 160-2.6

# Silicate mixing plants

## Grouting with silicate hardener mixtures

Grouting material: water, liquid silicate, liquid hardener, emulsifier

Type

FL-DMR 3

FL-DMR 4

### Tank as storage tank, for:

- Water	●	●
- Liquid silicate	●	●
- Liquid hardener	●	●
- Emulsifier		●

### Dosage pump – adjustable, for:

- Water	●	●
- Liquid silicate	●	●
- Liquid hardener	●	●
- Emulsifier		●

### Flow sensor, for:

- Water	●	●
- Liquid silicate	●	●
- Liquid hardener	●	●
- Emulsifier		●



FL-DMR 3/60 integrated in container housing



Soil grouting with silicate hardener mixture