

# Mix- and Storing-Unit standard with circulation pump

## MRS 150-E-A-UWP



### Technical Data

Drive Electric  
 Drive Power 10,0 kW  
 Total Power Consumption approx. 14,0 kW

Connections  
 Electrical CEE 32 A / 400 V AC, 50 Hz, IP 54  
 Water inlet G 2 BSPP AG DN 50 - C-coupling  
 G 1 BSPP IG DN 25 - GEKA

Outlet  
 Suspension 2-, 4-, 6- or 8 connections G 1 BSPP IG DN 25 - GEKA

Dimensions (L x W x H) 2.450 x 1.200 x 1.800 (mm)  
 Weight approx. 1.350 kg

Application Mixing and storing of cement-, micro-cement, fly ash and bentonite suspensions at anchoring, injections, backfillings, groutings, flushings, sealings

Performance Mixer Hand feed up to 3,5 m<sup>3</sup>/h  
 Feed per dosing screw-conveyor up to 4,5 m<sup>3</sup>/h

Volume Mixing Tank volume 250 l [66 gal U.S.] / effective volume 200 l [53 gal U.S.]  
 Volume Storing Tank volume 450 l [119 gal U.S.] / effective volume 400 l [106 gal U.S.]

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## Standard Features

### Framework

skid steel frame, partially enclosed and with partition panel, floor and oil pan, central towing device, fork lift guides crosswise, machine room sound proofed, lockable doors, finishing 2K-paint RAL 5005 (signal blue) or on customer desire unicoloured

### Electric Drive

electric motor mixer (with toothed belt drive) 5,5 kW, 1.500 rpm, 400 V AC, 50 Hz, IP 54 and electric motor 4,0 kW (with toothed belt drive) for agitator (frequency controlled), 1.500 rpm, 400 V AC, 50 Hz, IP 54, automatic phase correction, motor safety switch, control voltage 24 V DC (for valves and remote control), operating hour meter

### Water tank with Water Dosage

made of stainless steel (brushed), water storing and dosing tank V = 130 l [34 gal U.S.], fixed overflow pipe, water connection C-coupling with flushing connection and butterfly valve DN 50 manually actuated, water tank inlet valve DN 25 electrical and water tank outlet valve DN 50 manually actuated, semi-automatic water metering with fluid level indicator

### Mixing Tank (Colloid Mixer)

made of stainless steel (brushed), round tank with conical floor, volume 250 l [66 gal U.S.], effective volume 200 l [53 gal U.S.], mixer drive electric motor (with toothed belt drive) 5,5 kW, foldable and lockable tank covers with safety end switches, cover for screw conveyor inlet with inspection flap, hopper with bag ripper, circulation and pump down valves DN 50 pneumatically controlled

### Tools in Mixing Tank

2 fast turning mixing tools on one common drive shaft with pump down function, 1 mixing blade Ø 250 mm, 1 pumping wheel Ø 185 mm, drive shaft bearing above mixer fluid level (No stuffing box, so dry running possible w/o any problems!)

### Storing Tank

made of stainless steel (brushed), round tank with conical floor, volume 450 l [119 gal U.S.], effective volume 400 l [106 gal U.S.], agitator drive electric motor 4,0 kW with toothed belt (rotation speed infinitely variable, frequency controlled), foldable and lockable tank covers with safety end switches and inspection flap, suspension inlet DN 50 with inlet basket, suspension outlet DN 50, cleaning cover sidewise, suspension connection outlets 2-, 4-, 6- or 8-distribution G 1 BSPP IG DN 25 - GEKA

### Tools in Storing Tank

1 fast turning mixing tool on one common drive shaft with pump down function, 1 pumping wheel Ø 185 mm, drive shaft bearing above mixer fluid level (No stuffing box, so dry running possible w/o any problems!)

### Operating Devices

main switch, control lights POWER SUPPLY, CONTROL VOLTAGE, MIXER OPERATION and AGITATOR OPERATION, warning lights EMERGENCY-STOP ACTIVATED, MIXER FAULT and AGITATOR FAULT, button WATER DOSAGE START/STOP, button MIXER ON/OPERATION and MIXER OFF/FAULT, buttons AGITATOR ON/OPERATION and AGITATOR OFF/FAULT, buttons EMERGENCY-STOP (2x), switch LIGHT ON/OFF for working lamps outside, potentiometer AGITATOR SPEED, **Connection Options** free socket 230 V / 16 A

### Accessories (included)

documentation, special tools for operation and maintenance, cable remote control 15 m and cable reel 100 m, circulation hose, high pressure cleaner 4,0 kW, 950 rpm, 200 bar [3.045 psi] (industrial device, fixed installed) with water inlet filter, LED work lamps for mixing and storing tank outside

### Accessories (optional)

spare part kits, grouting hoses, suction hoses, fittings, grouting grippers

### Supplementary Devices

injection pumps, pump units and storing tanks for solid suspensions, dosing devices, screw-conveyors, radio remote control, control devices, electronic data acquisition and recording, regulating and measuring systems RMS with computer evaluation per USB and injection journal, flow meter with delivery pressure measuring, electronic delivery pressure devices (pressure transmitter) at injection place, devices for radio data transmission

*Further devices, special equipments and accessories on request!*