

Mix- and Storing-Unit Standard

MRS 200-E-A



Technical Data

Drive Electric
 Drive Power 9,0 kW
 Total Power Consumption approx. 24,0 kW

Connections
 Electrical CEE 63 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 G 2 BSPP IG DN 50 - SK 50 VT

Dimensions (L x W x H) 2.250 x 950 x 2.100 (mm)
 Weight approx. 1.000 kg

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

Performance Mixer Hand feed up to 3,5 m³/h
 Feed per dosing screw-conveyor up to 4,5 m³/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, lashing points for truck load securing, fork lift guides lengthwise and crosswise, machine room sound proofed, lockable doors, finishing 2K-paint RAL 5005 (signal blue) or on customer desire unicoloured

Electric Drive

electric motor mixer 6,3 kW, 2-speed (750 rpm / 1.500 rpm), 400 V AC, 50 Hz, IP 54 and gear motor for agitator 1,1 kW, max. 41 rpm (frequency controlled), 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 = 200 l [53 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 hydraulic motor (rotation speed infinitely variable), 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 manually actuated

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 straight floor, volume 450 l [119 gal U.S.], effective volume 400 l [106 gal U.S.], agitator drive hydraulic motor (rotation speed infinitely variable), foldable and lockable tank covers with safety end switches and inspection flap, suspension inlet DN 50 with inlet basket, suspension outlet DN 50 with manually actuated valve and suction basket, cleaning cover sidewise, slowly turning agitator with a floor scraper

Operating Elements

main switch, control lights POWER SUPPLY and CONTROL VOLTAGE, warning light EMERGENCY-STOP ACTIVATED, buttons MIXER ON/OPERATION and MIXER OFF/FAULT, buttons AGITATOR ON/OPERATION and AGITATOR OFF/FAULT, button WATER DOSAGE START/STOP, buttons EMERGENCY-STOP (2x), potentiometer AGITATOR SPEED, **Connection Options** free socket CEE 32 A / 400 V, free socket CEE 16 A / 400 V, 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, corded LED rod lamp inside, LED work lamps for mixing and storing tank outside

Accessories (optional)

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

Supplementary Devices

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!