

Technical Specification
Grouting Plant IPC-180-D
with water tank WB-250

BAUER MAT Slurry Handling Systems,
Branch office of BAUER Maschinen GmbH
Illerstrasse 6, 87509 Immenstadt-Seifen, Germany
Phone +49 (0) 83 23 / 96 41 -0
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Stand-alone **Grouting Plant** equipped with colloidal batch mixer, water tank, agitator tank, hydraulically controlled duplex plunger pump, diesel drive, control unit, and accessories, mounted on a compact and rugged skid.



Actual product similar to picture above

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Technical characteristics and features

Mixing capacity [m ³ /h] ¹	5.0
Mixing capacity [yd ³ /h]	6.54
Mixer ² load capacity [l]	250
Mixer load capacity [gal]	66.0
Water Tank capacity [l]	250
Water Tank capacity [gal]	66.0
Agitator Tank capacity [l]	500
Agitator Tank capacity [gal]	132.0
Max. Grout Pump capacity @ 20 bar	180 lpm
Max. Grout Pump capacity @ 290 PSI	48 gpm
Max. Grout Pump pressure @ 45lpm	100 bar
Max. Grout Pump pressure @ 11.9gpm	1,450 PSI

¹ The mixing capacity is subject to the batching, mixing and discharging time of each individual cycle and can vary.

² BAUER MAT Colloidal Mixers™ are specifically designed to produce a flowable suspension from one or several fluids and one or several powder solids. Beside centrifugal, shear and cavitation forces caused by the mixing paddles, MAT Mixers utilize the turbulent kinetic flow energy that is generated by the pump to reach the best possible dispersion of the mixing components. This prevents the formation of solid accumulations and clusters and simultaneously results in a homogenous, optimally dispersed product.

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<p>Diesel drive features</p>	<p>Perkins® diesel engine, 50 kW [67 HP] @ 2800min-1, max. torque 208 Nm @ 1800 min-1, 4-cylinder in-line with turbo charger, water-cooled, equipped with engine control panel and safety switch.</p> <p>Exhaust emission standard :</p> <p>EU NRMM 97/68 by 2004/26/EC Stufe 3b</p> <p>US EPA 40 CFR Part 1039 stage 4 final</p>
<p><u>Overall dimensions</u></p> <p>Length x Width x Height [mm]</p> <p>Length x Width x Height [ft]</p>	<p>2,250 x 1,900 x 2,100</p> <p>7.4 x 6.2 x 6.9</p>
<p>Overall weight [kg]</p> <p>Overall weight [lb]</p>	<p>2,850</p> <p>6,283</p>
<p><u>Ports</u></p> <p>Inlet port (water tank)</p> <p>Outlet port (pump pressure side)</p>	<p>1 ½" STORZ quick coupling (size C)</p> <p>Block ball valve with 1" female thread</p>
<p>Applications</p>	
<ul style="list-style-type: none"> ▪ Nails ▪ Tie-backs / Grouted anchors <ul style="list-style-type: none"> ▪ Soil mixing ▪ Jet grouting ▪ Grout compaction ▪ Vertical tie downs ▪ Injection grouting 	