Clark Grout Pumps and Mixers

The pneumatic range of Clark Grout Pump and Mixers have been used in coal mining and civil construction applications for more than twenty years. The grout pump can be utilized for various applications. These include: pressure injection of cable bolts for roof and strata support; void filling of strata, either to atmosphere or injected with the Clark grout packer; spraying of ventilation stoppings in coal mines; spraying concrete on pylons and bridge repairs and also slab jacking.

The grout pump options can be used in combination with the Clark Grout Mixers. Two different capacity mixers are available. The 150 litre capacity mixer is the most common size for easy handling in confined areas. For larger mixes, the 500 litre capacity mixers yield around 300 litres of grout per batch and have been used in many civil construction applications such as the strengthening of Sydney Airport runway.

For underground coal applications such as cable bolting using Stratabinder or similar type grout, the M150 with the Mk2 mixer is recommended. For thicker grouts such as thixotropic grouts, the M150 with a thixotropic mixer is preferred.

Applications:
• Cable bolting
• Spraying
• Void filling
• Slab jacking

Associated Clark products:
• Grout spray gun
• Drill rig
• Eagle Rib drill
• Grout packer
• Grout and air hose
• Lubricator

Options:
• 150 or 500 litre capacities
• Thixotropic bowl or flat bottom
• Standard or high torque mixer
• Standard flow or high flow pump

Left: Standard M150 grout pump and 150 litre mixer which includes the Eagle Mk2 air powered mixer motor with on board lubricator.
**CLARK GROUT PUMP MODELS**

Product Data Sheet

<table>
<thead>
<tr>
<th>Model</th>
<th>M150P</th>
<th>M150</th>
<th>M150EQ</th>
<th>M150CAM</th>
<th>D150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor Piston Ømm</td>
<td>150</td>
<td>150</td>
<td>150</td>
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<tr>
<td>Weight kg</td>
<td>16.6</td>
<td>17</td>
<td>19</td>
<td>18</td>
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<tr>
<td>Length mm</td>
<td>1056</td>
<td>1090</td>
<td>1095</td>
<td>1156</td>
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<tr>
<td>Maximum Flow l/min</td>
<td>20</td>
<td>60</td>
<td>110</td>
<td>60</td>
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<tr>
<td>Maximum discharge Pressure kPa</td>
<td>5100</td>
<td>3500</td>
<td>1900</td>
<td>3500</td>
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<tr>
<td>Maximum air supply m³/h</td>
<td>50</td>
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<tr>
<td>Discharge Port mm BSP</td>
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<td>25</td>
<td>40</td>
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</tbody>
</table>

M150, D150 & M150EQ Grout pump performance at 689 kPa air pressure, pumping water.

M150P Grout pump performance at 600kPa air pressure pumping water.
**01 GP 406 MK2 MIXER**

Capacity: 150Litre  
Flat bottom  
RPM: 1200  
Starting Torque: 27Nm  
Air Consumption: 37 l/sec  
Use with Clark Grout Pump: M100, M150 or M150EQ  
Weight 44kg

**01 GP 407 MK2 THIXO MIXER**

Capacity: 150Litre  
Flat bottom  
RPM: 260  
Starting Torque: 279Nm  
Stall Torque: 501Nm  
Air Consumption: 37 l/sec  
Use with Clark Grout Pump: M100, M150, M150EQ, M150P  
Weight 49kg

**01 GP 490 THIXO MIXER**

Capacity: 150Litre  
Dome Base  
RPM: 600  
Starting Torque: 225Nm  
Air Consumption: 120 l/sec  
Use with Clark Grout Pump: M100, M150 or M150EQ  
Weight 62kg

**01 GP 900 THIXO MIXER**

Capacity: 500Litre  
Dome Base  
RPM: 600  
Starting Torque: 225Nm  
Air Consumption: 120 l/sec  
Use with Clark Grout Pump M100, M150 or M150EQ  
Weight 80kg
Air Line Lubricator

Part # 05 MIN 20
Adjustable jet
Steel body
1.25 litre capacity

Hose assembly air and delivery

Part # 24HG002 FRAS AIR HOSE 20m, 20bar (300psi)
Part # 24HG007 FRAS AIR HOSE 1m, 20bar (300psi)
Part # 24HG011 FRAS AIR/WATER HOSE 20m, 35bar (525psi)

Filter discs

Part# 06AL00
Fits inside air hose coupling to filter out dirt

Safety clips

05MIN49
Used to retain snap couplings on hoses