

EMULSION CHARGING UNIT (ECU) HP2000

PRODUCT DESCRIPTION

The Emulsion Charging Unit (ECU) is one of a range of mechanised charging systems developed for use with BME's INNOVEX™ UG emulsion formulations. The unit is fitted with two mobile pumps allowing for maximum safety in charging operations and reduced down time. The ECU is ideal for large trackless operations where large quantities of explosives are required within each blast. A basket, raised working platform or robotic arm can be fitted to the rear of the charging unit to reach high ends or inaccessible rings.

PRODUCT FEATURES

FEATURES

- Double mobile pump configuration
- Increased reliability and reduced down time
- Low maintenance costs
- Low capital requirements
- Intrinsically safe pump operation in instances of:
 - Dry running
 - Dead heading
- High flow rate
- Short lead time for manufacture
- ICR – Intelligent Control and Reporting

DESIGN FEATURES

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| Emulsion tank capacity | 2000 kg |
| Sensitiser tank capacity | 87 L |
| Water tank capacity | 87 L |
| Pumping rate | 45 kg/min |
| Drive systems | Hydraulic |
| Max hose length | 15 m (No hose lube) 30 m (With hose lube) |
| Compatible emulsions | INNOVEX™ UG Emulsions |
| Pre-set mass of emulsion/hole | |

PUMP SAFETY FEATURES

- Intrinsically safe pump technology
 - Safe in instances of dry running
 - Safe in instances of dead heading
- Pressure bursting disk
- Failsafe control system
- Charging lance flushing system

