

MAXICHARGER P120



PRODUCT DESCRIPTION

BME's MaxiCharger represents the forefront of pumpable emulsion technology available for use in narrow reef mining operations. BME's MaxiCharger is designed in-house for the delivery in BME's range of INNOVEX™ UG emulsion formulations, increasing the safety of daily blasting practices through their UN 5.1 classification. The MaxiCharger is a positive displacement pump designed to work with BME's patented 'Closed Emulsion System' but can be modified to run off a traditional emulsion tank set-up for larger development ends. The system eliminates waste while simultaneously delivering a predetermined mass of double salt emulsion and sensitising agent to each blasthole, sensitising the emulsion as it enters the blasthole. The MaxiCharger is manufactured for rough underground conditions but is compact enough to be carried and operated by mining personnel.

PRODUCT FEATURES

APPLICATION

BME's MaxiCharger is designed primarily for use in the narrow reef mining environment for confined blasting practices, but is compatible with BME's mechanised emulsion systems for larger developments. Due to the unit's flexibility, it can be successfully applied to numerous blasting scenarios.

FEATURES

- Portable
- Reliable pump control mechanism
- Pre-set mass of explosives per blast hole
- Reduced charging time
- Simplified logistics through UN 5.1 classification
- Short lead time for manufacture
- BME advanced pump control system with data recording and reporting system for increasing operational efficiencies

SAFETY FEATURES

- Intrinsically safe pump technology
 - Safe in instances of dry running
 - Safe in instances of dead heading
- Bursting disk pressure
- Non-flammable, biodegradable hydraulic oil

DESIGN SPECIFICATIONS

• Pre-set mass of explosives per hole	820 g
• Emulsion capacity (bag configuration)	120 kg
• Emulsion flow rate	45 kg/min
• Charging hose length – min	2.5 m
• Charging hose length – max	30 m
• MaxiCharger P120 dimensions	
– Length	1.3 m
– Width	0.77 m
– Height	0.5 m
• Dry weight	80 kg approx.
• Drive system	Pneumatic / Hydraulic
• Power requirement	3 HP
• Minimum operating pressure	5 bar
• Maximum operating pressure	8 bar
• Compressed air requirements	40 cfm

SPECIAL FEATURES

- Ability to run with emulsion bags or coupled to larger tanks
- High emulsion capacity – up to six emulsion bags at once (120 kg of emulsion)
- Ability to integrate with high capacity emulsion tanks fixed to underground carriers
- Can be used with charging lances in excess of 40 m
- High loading rate within confined charging operations