



Hydro - Air Rock Drill

The Air Driven Drill from Sulzer

Since the beginning of 2003 Sulzer South Africa has probed the possibility of introducing another rock drill on to the market. To do that competitively, a series of targets had to be met.

Targets And Requirements

- a product that will meet stringent safety requirements
- a product that is beneficial to both the environment and the people that use it
- a product that complies with legislated noise levels
- a product that will be cost effective to acquire and maintain
- a product that will be at least as productive, if not more so than those already on the market
- a product that is not dependant on oil for lubrication and does not contaminate the ore body

A Technical Breakthrough

With set requirements and the understanding and knowledge of water hydraulics, a rock drill has been designed to operate with air and use only water for lubrication.

Simplicity

Designed to have minimal moving parts, for enhanced reliability. With it's robust and durable construction, maintenance costs are kept as low as possible.

Health And Safety

With water lubrication, the exhaust water cools the working environment and suppresses the dust. In-stope visibly improves and in addition to faster drilling rates, ensures that the minimum time is spent on the stope face. Thus resulting in an everyday blast and increased productivity. No oil fogging is present during drilling, thus no harmful inhalation of oil. Noise levels are significantly down to acceptable standards.

Weight	21.6 kgs
Drill Steel	22 Hex
Supply Pressure	3 - 6 Bar
Designed Reliability	1000m plus before breakdown
Lubrication	Water
Penetration Rate	2min/m dependant on thrust, hole size etc
Noise level	100 - 106 db at drill machine