

## Wet Applicator Pump

### TECHNICAL SUPPORT

The Blackrock Mining technical support team understand the demanding nature of the mining industry and are there to assist with all problems and challenges 24/7.

### MINIMISE PRODUCTION DOWNTIME

The WAP System allows for all spraying and pumping activities to be conducted without impacting any operations taking place throughout the mine subsequently reducing production downtime to zero.

### SPARE PARTS

Critical spare parts and consumables can be tailored to suit your operations requirements. Blackrock Mining can provide recommendations based on hours and working conditions which can vary significantly within each operation.



Sprayed Application



Pumped Application



Blackrock Mining introduces the Ventsec Wet Applicator Pumping System in a step forward for the prevention of dust disease in the underground mining industry. Extensive research and development have provided the platform to introduce an industry first dust mitigation system to assist mining operations with improved control over health risk, compliance and production. Our partnership with the Ventsec designed system combining both leading Australian and German engineering is ideally suited for both the underground mining and civil engineering sectors. This versatile system is well suited for all ventilation and sealing activities, strata consolidation, strata sealing for the prevention of gas emissions, instant damming and water control, sump and all major civil installations. The pneumatically driven system has been designed, engineered and manufactured to comply with NSW and QLD Departments of Resources.

## Wet Applicator Pumping System Products

### PRODUCTS

Engineered, designed and certified to suit individual site needs and requirements.

### SERVICES AVAILABLE

- Technical support
- Designed, engineered and certified products
- Site introduction and mobilisation
- Staff training and auditing
- Application support
- Product supply and scheduling
- VCD design and manufacture
- Geotechnical engineering
- Specialised installation teams
- Project management



We offer a range of specialised purpose engineered products to suit both pumping and spraying applications. The Ventsec products have been developed exclusive for this system with compressive and flexural strengths exceeding that of conventional methods currently utilised. Wastage from existing dry products being blown through mesh into return airways or lost at the hopper has been reduced by up to and exceeding 30% thus decreasing costs and increasing efficiency.



### PERFORMANCE SPECIFICATIONS

Pumping rate	Up to 30LPM
Spray application rate	Up to 30LPM
Maximum air supply pressure	110psi
Maximum air supply flow rate	151LPS
Maximum water supply pressure	1770kPa

### OPERATING LIMITS AND CAPABILITIES

Gross weight	1200kg
Length	2000mm
Width	1300mm
Height	1800mm
Pneumatic powered	65 - 110psi
Pumping output (distance)	Up to 40m

### PRODUCT SPECIFICATIONS

PRODUCT	APPLICATION
VShot-S	Wet Application Standard Shotcrete achieving 70MPA (Engineered) for all general shotcrete applications.
VShot-FS	Wet Application Fast Set Shotcrete achieving 60MPA with set times at 30min, 20MPA in 12hrs. Commonly utilised in water control activities.
VShot-HS	Wet Application High Strength Shotcrete from 90 - 120MPA utilised in industrial and heavy civil installations.

Wet Applicator Pumping Systems are available for purchase or hire and can be tailored specifically to suit your site requirements.

Complete training packages utilising a Blackrock Mining training facilitator are available to assist with mobilisation for both purchased and/or hired units.

Experience the unrivalled after sales support, service & advice that only Blackrock Mining offer.

For more information on any of our products or services within Queensland please contact us:

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