

# Weir Minerals Multiflo

## Value Proposition

Excellent  
Minerals  
Solutions



Weir Minerals Multiflo has been designing and manufacturing mine dewatering pumps since 1976. Our Customer Value Proposition is based on four key points:

- Reliable long lasting equipment
- Customized dewatering solutions
- Total customer support
- Lowest total ownership cost

We develop dewatering solutions for open pit and underground mines that are reliable and well supported, no matter where the mine is located.

## Reliable long lasting equipment



The Multiflo self-priming pit dewatering pump is designed to withstand the often harsh treatment meted out by operators on remote mine sites. Features such as full welded joints, internal painting and the attention to detail in stainless and fully galvanized fittings ensures long life and high performance.

Even the vacuum pump is a specially designed piston driven unit to ensure low maintenance.

Materials of construction for the pumps include proprietary high chrome irons or stainless steels to withstand the low pH often seen with seeping pit water.

Hydraulic design uses the latest computational fluid dynamics (CFD) software and all parts are computer modeled in 3D to ensure optimum layout and better quality.

All pump units are put on our test stand for performance confirmation and are subsequently operated for 2 hours to help run-in of bearings and ensure engine parameters are within specification.

Our culture of innovation drives new and improved products and ensures that we remain at the forefront of dewatering technology.



*Above: Diesel pumps for dewatering open pit coal mines*

*Left: All designs use 3D CAD*

*Right: Model 57 Piston Vacuum Pump*

*Below: Caloundra Head Office*





Managing Director, **Dr Craig Walker:**

*"Weir Minerals Multiflo is part of the Minerals Division of Weir Group PLC, the global #1 supplier of slurry pumping equipment. Divisional experience in wear, hydraulics and materials supports development efforts of the Multiflo product to keep it going stronger for longer....."*

## Customised Dewatering Solutions



A total solution for dewatering is important. Mine dewatering requirements need to be well understood before selection and design of the pumping equipment be they in-pit or underground.

Meeting the water in-flow requirements of a site is critical but also important is understanding the mine plan, the range of operating depths as well as working with existing piping systems to ensure that equipment fits the specific site needs. Now and in the future.

Many "standard" options exist for drives, including a choice of diesel or electric motors depending on availability of electric power. Skid, trailer or pontoon bases with or without access walkways are designed to suit the specific site requirements.

Our experienced sales and technical staff know dewatering and are focused on meeting customers' needs.



**Top:** Pontoon mounted diesel pumps with walkways

**Middle:** Pontoon mounted electric pumps with walkway

**Bottom:** Electric Pontoon Pumps

**Top Right:** Electric Pontoon Pumps

**Right:** Spare parts and service facility Balikpapan

“Quality, value and service commitment are the foundation of customer satisfaction. Our extensive dewatering experience and knowledge adds value to all that we do for our customers.....”

## Total Customer Support



Total Customer Support is about delivering on promises. It is about delivering units and spare parts on-time. It is about having commissioning and service personnel locally available to start-up and train customer staff. It is also about having parts available where they are needed. For instance, our facility in Balikpapan, Indonesia supports the extensive open-pit coal mines in East Kalimantan province.

Weir Minerals Multiflo is also part of the more than 3000 employees in the Weir Minerals Division. The Division has a very broad global footprint with Total Care service centres and operations to support the mining industry, on every continent.

Our culture is one of commitment and our customer relationships are based on trust and integrity. We aim to deliver what we promise.



*Left: Service personnel working on a diesel unit*

*Below: Well equipped store in Caloundra*



*Top: Assembly of Vactronic units*

*Middle: On-site commissioning of staged units in Indonesia*

*Bottom: Balikpapan spare parts warehouse*



As a market leader in mine dewatering we have a reputation to uphold. Quality and added value in all we do is underpinned by the Weir Production System (WPS). Based on Lean manufacturing principles, WPS seeks to eliminate waste wherever it occurs in the business process, delivering:

- Shorter lead times
- Higher quality
- Lower cost
- Safer working conditions
- More efficient use of space

## Lowest Ownership Cost



Total Ownership Cost (TOC) is about more than just the purchase price. TOC is about the whole-of-life cost of operating equipment: hydraulic efficiency, fuel consumption, maintenance costs (labour and parts) and downtime. Multiflo units are not only designed to last, but are also designed with ease-of-maintenance in mind. This all helps reduce TOC.

Our Lean Process culture ensures a clean and safe working environment for our employees generating greater productivity. Everything superfluous is removed; each bottleneck is quickly cleared leading to optimum production flow.

Underpinning the Weir Production System are ISO standards for quality, safety and environment that provide consistency in all our processes.



*Above: Final Assembly Line*



*Above: Fabrication Facility*

*Right: Modern and safe equipment*



Weir Minerals Offices



The Weir Group PLC, founded in Scotland in 1871, is a leading global engineering company with more than 8000 employees worldwide and is listed on the London Stock Exchange.

Weir Minerals Multiflo is part of the Weir Minerals Division and has primary global design responsibility for the Multiflo self-prime dewatering pump product range and Hydra-Flo® fuel filler valve.

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