



Warman MU Medium Duty Slurry Pumps

Abrasion resistant pumps for extended wear life and reliability



Excellent
Engineering
Solutions



Weir Minerals products have a deserved reputation for extended wear life and reliability, bringing the customer the lowest cost of ownership.

Weir Minerals is the worlds leader in the field of premium quality slurry pumps, slurry valves, hydrocyclones and mill liners where applications typically involve heavy abrasive and/or corrosive slurries that make severe demands on the equipment used.

The strength of Weir Minerals products lies in the superiority of our hydraulic designs and wear and corrosion resistant materials.

To maintain this number one position Weir Minerals has invested heavily in an ongoing programme of research and development.

Designed to meet the requirements of the Slurry, Liquor and Process applications, where the use of the world renowned AH Ultra Heavy Duty Slurry Pump might not be justified, the Warman MU medium Duty Slurry Pump provides :

- **Abrasion Resistance**
- **Rugged Construction**
- **Simple Installation**
- **Simple Maintenance**

and yet gives :

- **Lower Power Consumption**
- **Lower Cost**
- **Lower Weight**

right: A Warman 100 CMU unlined slurry pump on trial.

below: Warman 100 CMU unlined slurry pump.



Underlying our product capability is our introduction of the latest CAD CAM techniques and the implementation of Lean manufacturing principles keeping Weir Minerals at the forefront of manufacturing technology, delivering direct customer benefits.

World-wide Sales and Service

Weir Minerals products are manufactured on all five continents by member companies of the Weir Minerals Division and Licensees in strategic locations around the world.

Lowest cost of ownership

The key to the success of Weir Minerals is that we enable our customers to achieve significant improvements in their process efficiencies.

In applications where the cost of ownership often outweighs capital cost as a priority, we help our customers address such issues as longevity and capacity, efficiency of operation and ease of maintenance.

Our customers range from the world's largest mining and minerals multinationals to single pumpset operators.



Weir Minerals capability supports an array of customer specifications with products easily adaptable to meet specific process requirements. We build close, long term partnerships through which we are able to help customers achieve the lowest cost of ownership.



The MU unlined slurry pump has been designed for applications and slurries predominantly for the following industries :

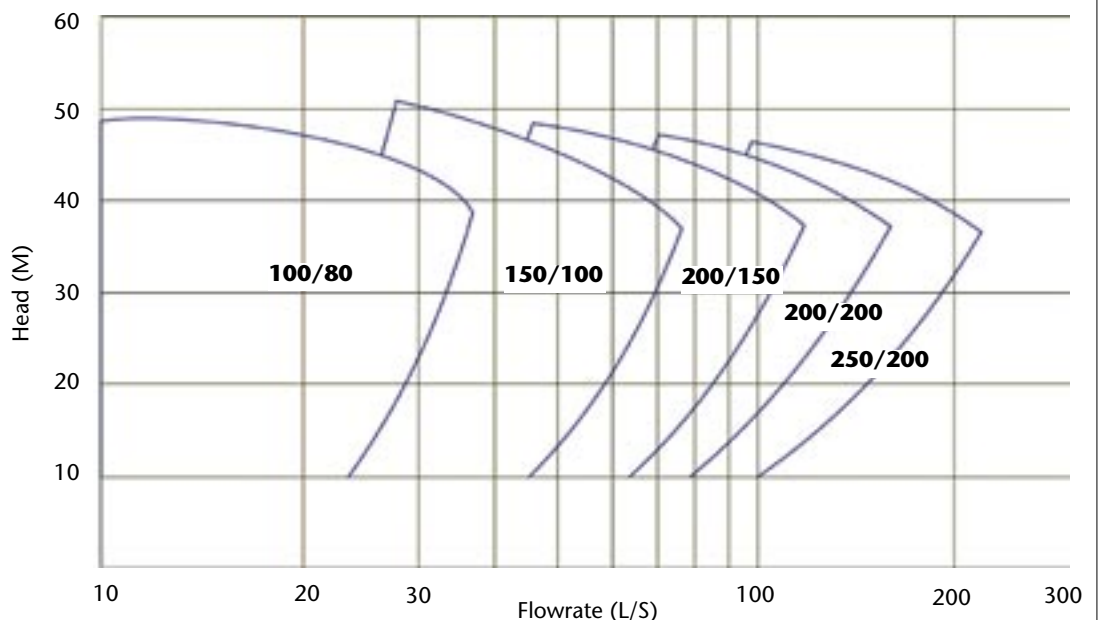
- Coal
- Industrial Minerals
- Mud Drilling
- Limestone Preparation
- Food
- Ash Handling
- Steel
- Bentonite Separation
- Sugar

The pump specification generally suits applications with a maximum solids content of up to 35% by weight and where heads do not exceed 40m or slurry densities should be less than 1.2 t/m³.



Warman MU Slurry Pump - Quick Selection Chart

Approximate clear water performance - to be used as a first guide only



The Warman MU Medium Duty Slurry Pump

Extended bearing life ...
 ... is achieved through the use of a large diameter shaft with the shortest possible overhang with heavy duty roller bearings housed in a removable bearing cartridge.

Mechanical Seals ...
 ... are also available as an alternative to a conventional seal.

Wear is reduced and maintenance simplified ...
 ... by the use of tapered mating faces which accurately align the wear components.

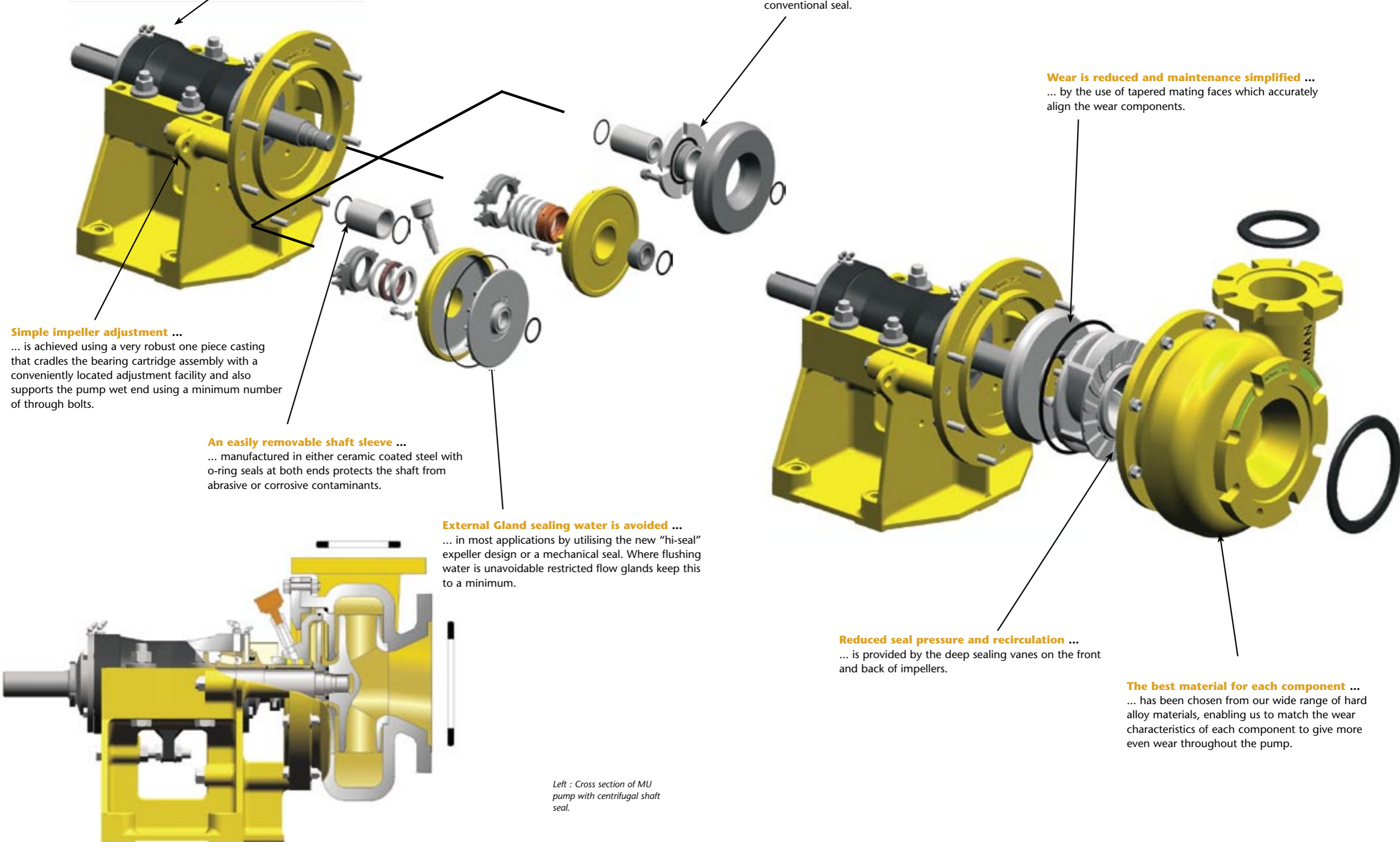
Simple impeller adjustment ...
 ... is achieved using a very robust one piece casting that cradles the bearing cartridge assembly with a conveniently located adjustment facility and also supports the pump wet end using a minimum number of through bolts.

An easily removable shaft sleeve ...
 ... manufactured in either ceramic coated steel with o-ring seals at both ends protects the shaft from abrasive or corrosive contaminants.

External Gland sealing water is avoided ...
 ... in most applications by utilising the new "hi-seal" expeller design or a mechanical seal. Where flushing water is unavoidable restricted flow glands keep this to a minimum.

Reduced seal pressure and recirculation ...
 ... is provided by the deep sealing vanes on the front and back of impellers.

The best material for each component ...
 ... has been chosen from our wide range of hard alloy materials, enabling us to match the wear characteristics of each component to give more even wear throughout the pump.



Left : Cross section of MU pump with centrifugal shaft seal.

Weir Minerals customers require the right product and the right quality for their specific process. We can provide the best product for virtually any application, anywhere in the world

Weir Minerals has the geographical presence to service all the major developed markets around the world.

This global supply capability provides our customers, from the world's largest minerals and mining multinationals to the smallest single site users, with service second to none.

We support customer operations worldwide with consistent products and local engineering expertise.

As part of the Weir Group, we have the reach and resource to build close, long term relationships with all our customers, helping them to achieve ...

The Lowest Cost of Ownership



Weir Minerals has an advanced product range incorporating market leading brands covering virtually any application, in any environment.

Our global leadership in slurry pumps is combined with innovative designs in complimentary products such as mill liners, hydrocyclones and slurry valves.

The Weir Minerals Brands :



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