

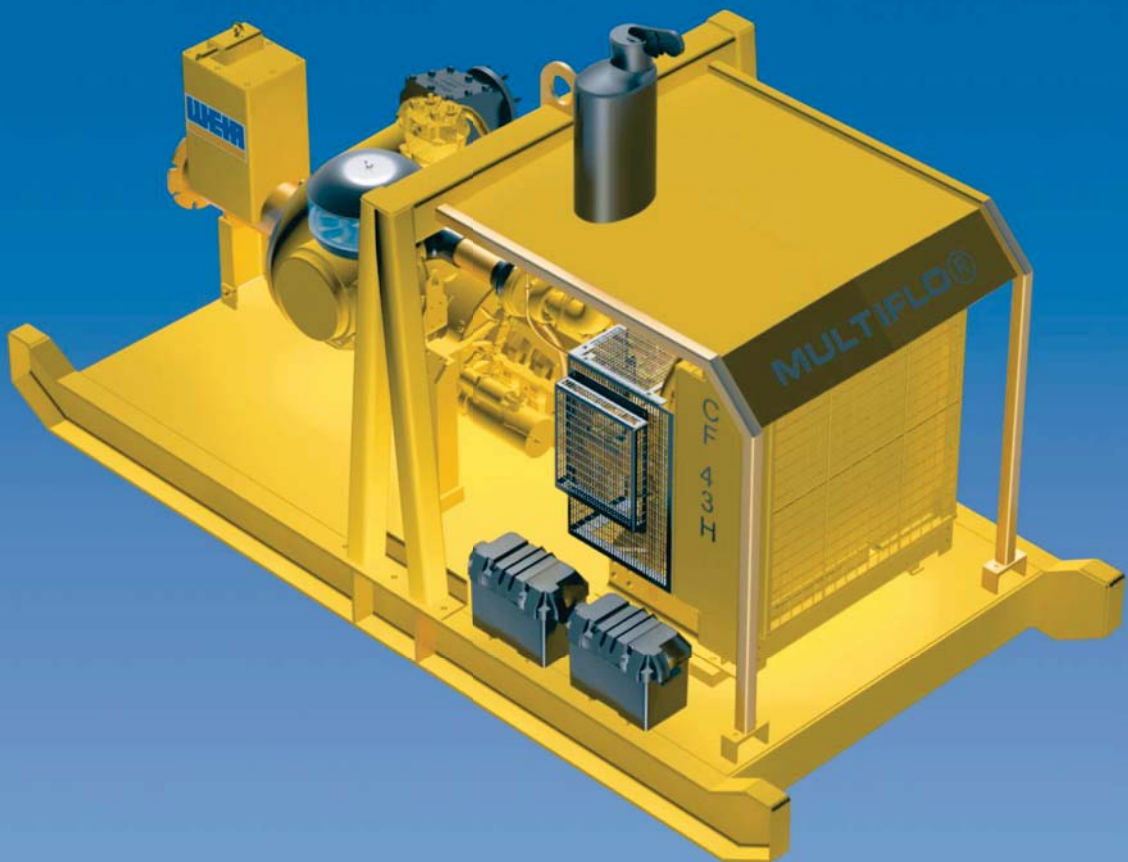
MULTIFLO®

General Purpose Dewatering Pumps

CF Diesel Pump Units

Excellent
Minerals
Solutions

WEHR
MINERALS



The Multiflo "CF" range is the cost effective pumping solution. The "CF" range of auto vacuum primed, diesel driven pump units have been designed and built to simplify both the operation and maintenance of the unit. The range of CF pump units are built for general purpose pumping applications.



Over 30 years of mine dewatering experience makes Multiflo pumps the best choice for dewatering applications.

Multiflo Pump Units were first produced in 1976, designed and manufactured to provide a reliable and efficient purpose built pump for open cut mining pits.

The diesel driven, vacuum primed CF range of pump units are built for general pumping applications.

The CF has been designed and built to reduce costs and manufacturing lead times while maintaining a high quality standard, typical of the Multiflo® product.

- Compact design
- Mechanical auto priming system
- Caterpillar diesel engine
- Centre lift point
- Easy operation and maintenance
- Cost effective



Top: CF-43H Pump Unit

Right: The CF Range is powered by Caterpillar Engines

Bottom Right: The CF self priming arrangement, includes a vacuum pump and priming tank.

Attention to detail while maintaining a level of simplicity is evident across the entire range of the "CF" series pump units and is crucial in ensuring the units not only meet the design standards typical of Weir Minerals but also makes them user friendly to operate and maintain.



There are no shortcuts when it comes to materials and construction methods used on the CF series pump units.

- CAT control box and gauges
- Caterpillar diesel engine
- All welds are continuous (no stitch welding that traps water causing rust in inaccessible places)
- Internal baffling of pump unit base (fuel cell). All deck mounts are fully supported by the internal baffles
- Standard Multiflo paint specification

Years of pumping experience in the mining industry leads to ongoing development of the pump units.

The CF series pump units are the result of years of development work, listening to the maintenance and pump people and then incorporating the knowledge into a simple design.

Left: control cabinet fitted to a CF 43H

Below left: Priming tank

Below: CF-43H powered by a CAT C7 engine

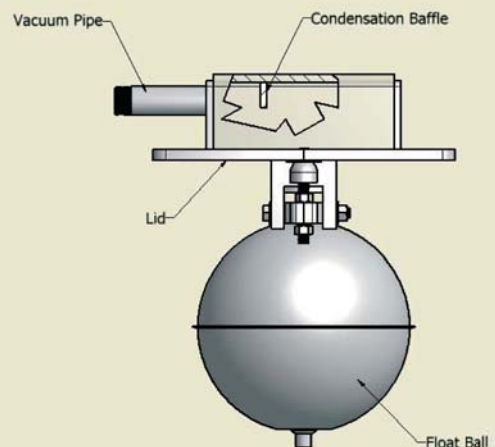
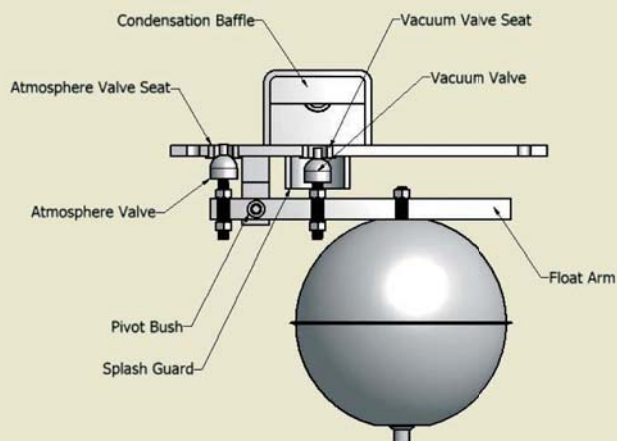
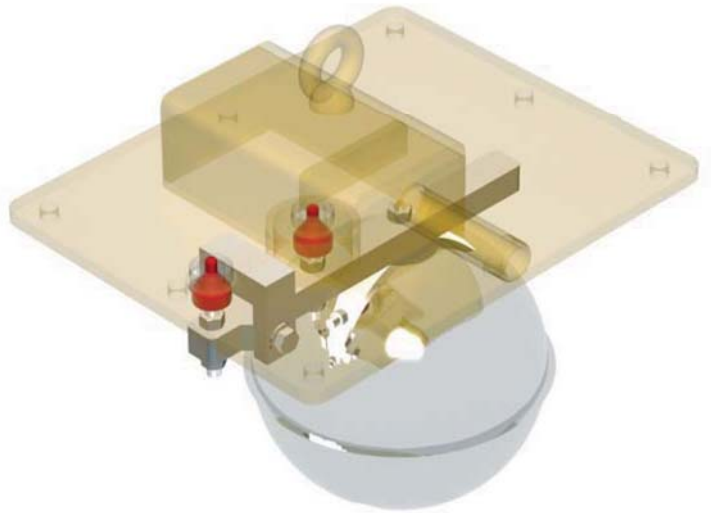


Priming a pump unit can be the most frustrating process for an operator. The mechanical priming system automatically takes control of priming the pump.

Mechanical Priming System

When the CF pump unit is started, the priming system will quickly and efficiently lift the water up into the priming tank and the pump will then be primed. The level of the water in the priming tank is controlled by a "Ball Float" system, ensuring the system remains primed at all times.

- Reliable priming
- Easy to maintain
- 9M maximum suction lift
- Steel or stainless steel construction
- No venturi ports to keep clean
- No mess from priming exhaust

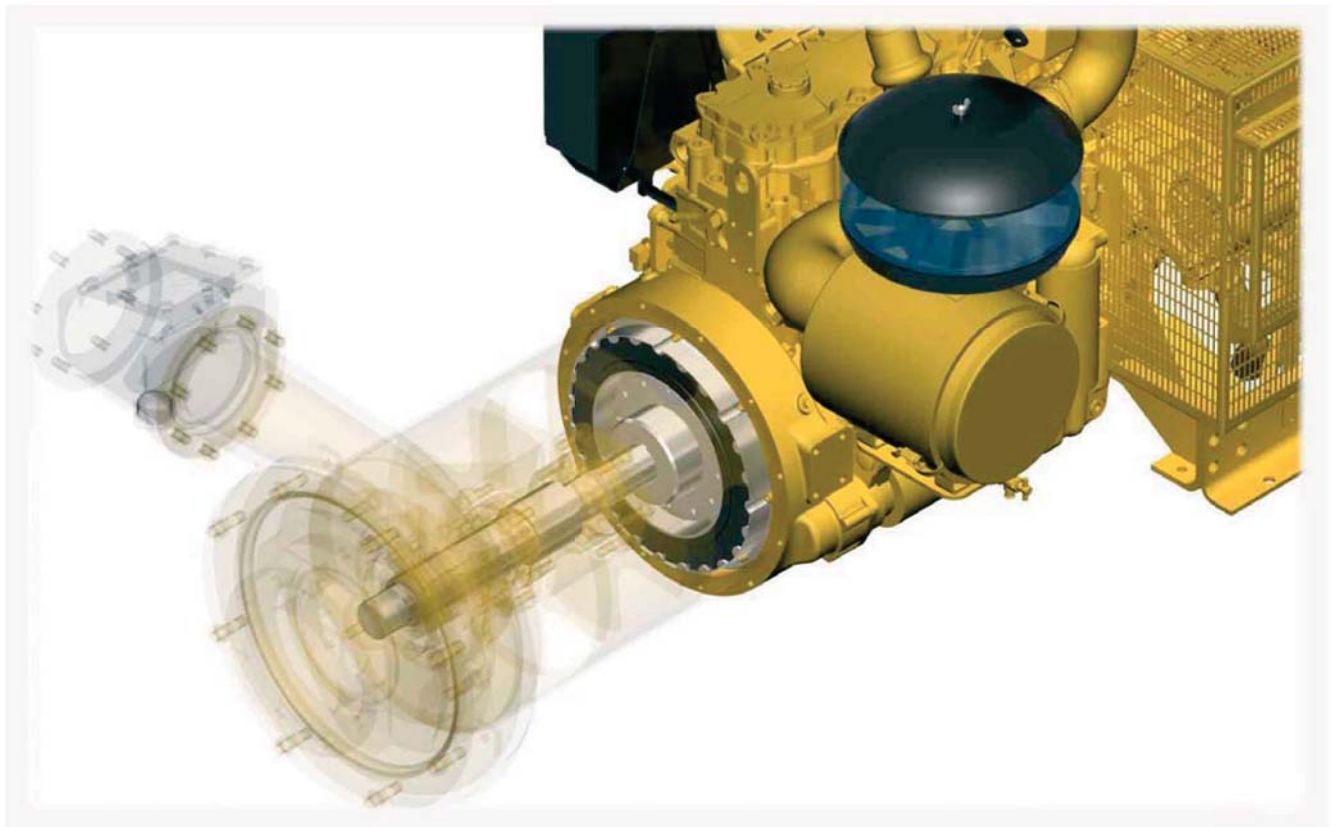


Close Coupled Drive

The Multiflo® CF range uses a new close coupled drive design. This arrangement allows for a shorter, lighter pump unit and minimises shaft alignment issues that are often encountered with other drive arrangements.

Coupling the pump to the engine is now a simple process.

- Correct alignment every time
- Less downtime during pump assembly
- Engineered for reliable service life
- Simple assembly, with flange connection and hubs



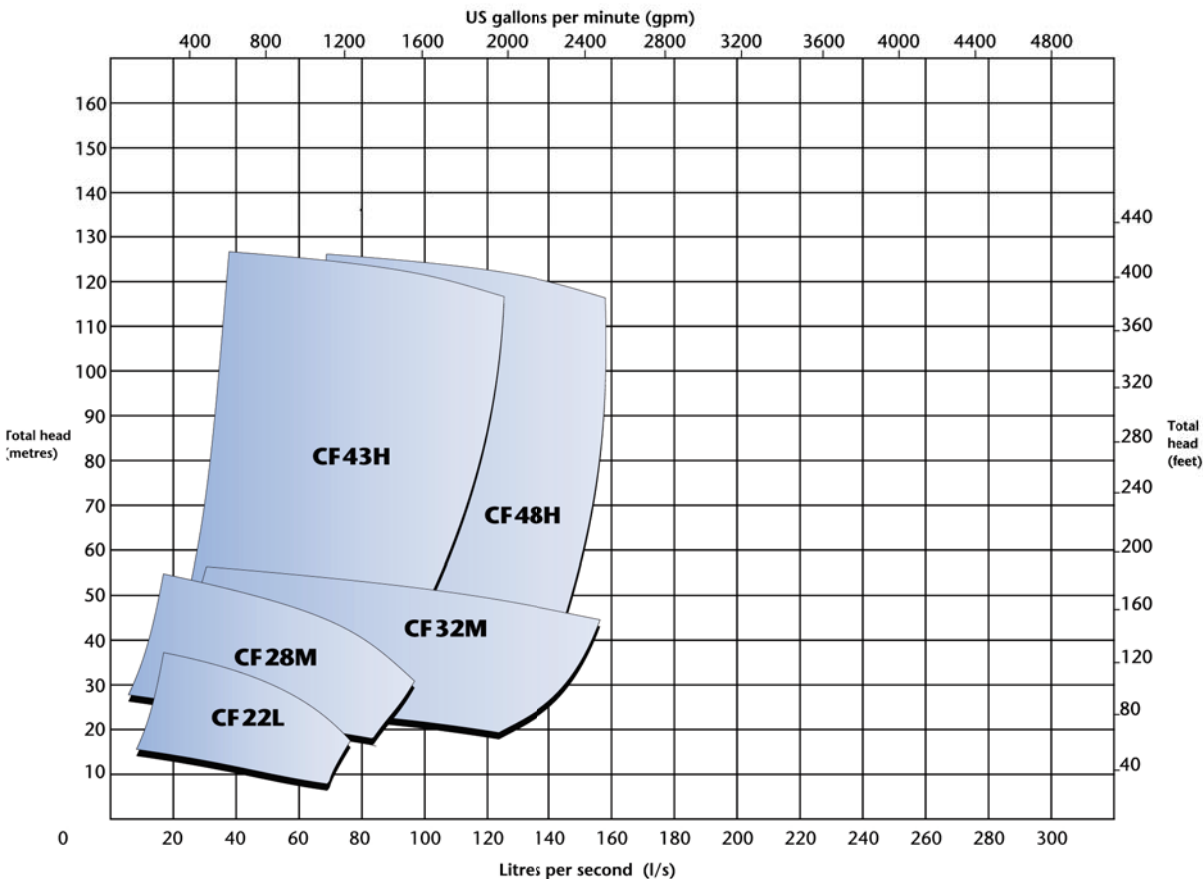
The CF series pump units are available with the following optional accessories:



- 1: Suction strainer
- 2: No flow shut down
- 3: Hydrau-Flo blue valve
- 4: Suction hose

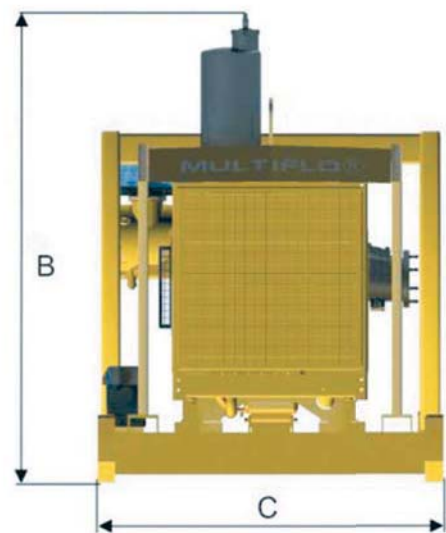
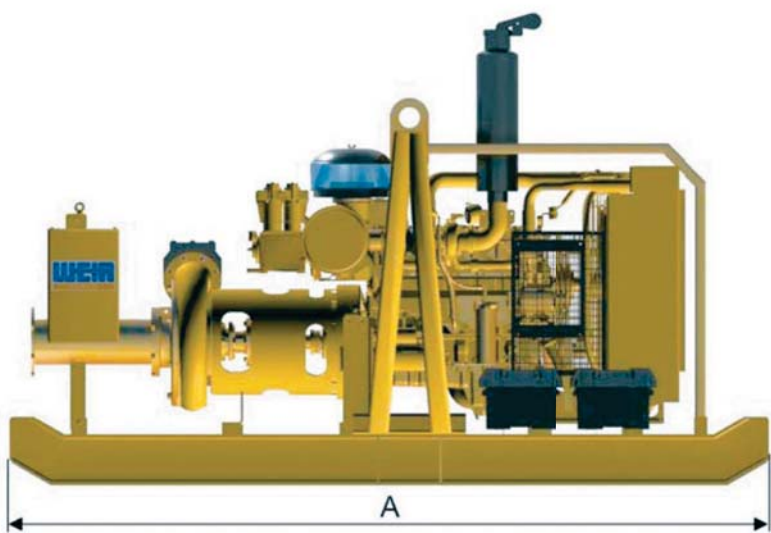
These are the options available.
For more details on the above options, please contact the Weir Minerals representative in your area.

Weir Minerals Multiflo CF Pump Unit Quick Selection Chart



The Multiflo "CF" Range Pump Unit Dimensions

Model	Pump Inlet/ Outlet <i>mm (inch)</i>	Shut- Off Head <i>Metres (ft)</i>	Max Flow <i>l/s (US Gpm)</i>	Engine kW Min* <i>(hp)</i>	Fuel Tank <i>Litres (US Gal)</i>	A <i>mm (inch)</i>	B <i>mm (inch)</i>	C <i>mm (inch)</i>	Mass Wet <i>Kg. (lbs)</i>
CF-22L	100/100 <i>(4/4)</i>	36 <i>(118)</i>	60 <i>(951)</i>	24 <i>(32)</i>	90 <i>(20)</i>	2600 <i>(102)</i>	1500 <i>(59)</i>	1150 <i>(45)</i>	2500 <i>(5511)</i>
CF-28M	150/150 <i>(6/6)</i>	56 <i>(184)</i>	90 <i>(1426)</i>	58 <i>(78)</i>	610 <i>(138)</i>	3080 <i>(121)</i>	1550 <i>(61)</i>	1385 <i>(54)</i>	3155 <i>(6955)</i>
CF-32M	200/200 <i>(8/8)</i>	54 <i>(177)</i>	140 <i>(2219)</i>	90 <i>(121)</i>	610 <i>(138)</i>	3080 <i>(121)</i>	1885 <i>(74)</i>	1385 <i>(54)</i>	3155 <i>(6955)</i>
CF-43H	200/150 <i>(8/6)</i>	127 <i>(417)</i>	110 <i>(1743)</i>	160 <i>(215)</i>	945 <i>(214)</i>	3685 <i>(145)</i>	1872 <i>(73)</i>	1685 <i>(66)</i>	4352 <i>(9594)</i>
CF-48H	200/150 <i>(8/6)</i>	125 <i>(410)</i>	160 <i>(2536)</i>	288 <i>(386)</i>	945 <i>(214)</i>	3685 <i>(145)</i>	1872 <i>(73)</i>	1685 <i>(66)</i>	4402 <i>(9704)</i>



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 Australia Ltd

Australia

4 Daniel Street
Caloundra QLD 4551
Tel +61 7 5491 2877
Fax +61 7 5491 2805
multiflo@weirminerals.com
www.weirminerals.com

Indonesia

Jl. Mulawarman No. 29A Batakan Kecil Kel. Manggar Balikpapan
— East Kalimantan
Tel +62 542 746098 (Hunting)
Fax +62 542 746099

Jl. Ahmad Yani Km. 33,5 No. 02 RT.003 RW.001 Kel. Loktabat Selatan
Kec. Banjarbaru — BANJARBARU
Tel +62 511 477302 / 477235 / Fax +62 511 4773583

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