

Multiflo® Mudflo™ 150 Hydraulic Submersible Slurry Pump

Technical Specifications

WEIR

Minerals



Pump Features

- Ultrachrome® A05 chrome alloy casting for high wear resistance
- Hydraulic motor sizing available to handle a range of high density liquids
- High solids handling capability
- Bespoke suction strainer to prevent clogging in applications where very large solids are present
- Capable of pumping between 150m³/h and 680m³/h, up to 72m head
- Quick-hitch plate attachment available for ease of removal and installation on hydraulic excavators

Left: Multiflo® Mudflo™ hydraulic submersible dredge pump

Heavy duty hydraulic submersible slurry pump engineered for abrasive applications

The Multiflo® Mudflo™ submersible dredge pump features a hydraulically driven wet-end especially engineered to provide efficient pumping of highly charged and abrasive slurries. A combination of Weir Minerals' Ultrachrome® A05 chrome alloy casting for high wear resistance, and a suction strainer to prevent excessively large particles clogging the pump, ensures high levels of uptime. The Mudflo™ 150 pump is capable of pumping between 150 and 680m³/h, up to 72m head.

The two included Multiflo® CB32 cutters are fitted with ESCO® teeth that utilise the two-piece Ultralok® tooth system to prevent premature breakage, avoid tooth loss and protect the integral locking system to ensure continuous operation of the pump.

The Multiflo® Mudflo™ pump is suitable for multiple dredging applications including;

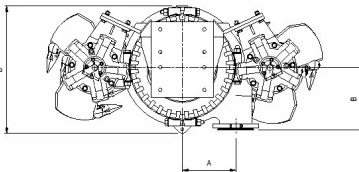
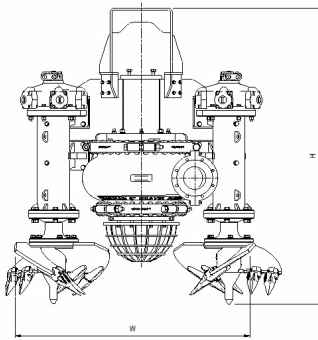
- Tailings storage facility management
- Harbour and marine maintenance
- Sand and gravel mining
- Maintenance of water storage capacity in retention ponds
- Slimes removal from sludge ponds
- Land reclamation

Cutter Features

- Twin hydraulic cutters with ESCO® Ground Engagement Technology (GET) for industry-leading wear life and impact resistance
- Each cutter features six ESCO® standard point teeth with Ultralok® tooth system
- Integrated lock means no pins to order, lose or mismatch
- Points are easily installed and safely removed with a standard site fitter pry tools
- Variable speed cutters for optimal operation

Multiflo® CB32 cutter hydraulic motor data

Motor displacement (cc)	714
Max. oil flow rate (l/min)	36
Max. oil pressure (bar)	250
Max. power (kW/HP)	15/20
Max. speed (rpm)	50



Top: Multiflo[®] Mudflo[™] hydraulic submersible pump rear perspective

Middle: Multiflo[®] Mudflo[™] hydraulic submersible pump dimensions

Bottom: ESCO[®] standard point with bolt-in lock

Multiflo[®] Mudflo[™] hydraulic submersible slurry pump specifications

MULTIFLO[®] MUDFLO[™] 150 PUMP

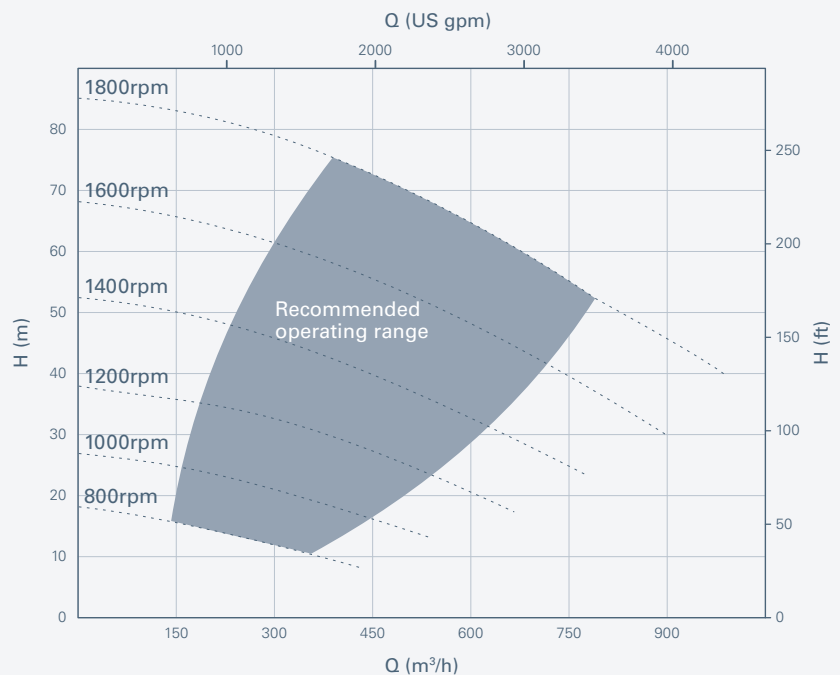
Capacity (m ³ /h)	680
Head (m)	72
Impeller diameter (mm/Type)	378 / 3 Vane Closed
Suction	DN200, Warman [®] Pattern
Discharge	DN150, Warman [®] Pattern
Max solid concentration (%wt)	up to 65
Max particle size (mm)	80
Max liquid temperature	35°C
Casing material	A25 steel alloy
Impeller material	Ultrachrome [®] A05
Motor housing material	EN-GJL-250 (EN 1561)
Shaft material	E05 – K1045 Carbon Steel
Bearing housing material	D21 – Ductile Cast Iron

Weights and Dimensions (pump and cutters)

Dimension H (mm)	1936
Dimension W (mm)	1800
Dimension A (mm)	352
Dimension B (mm)	415
Dimension D (mm)	850
Weight (kg)	2500

Pump Hydraulic Motor Data	Low Power Option	High Power Option
Motor displacement (cc)	160	250
Max. oil flow rate (l/min)	233	450
Max. oil pressure (bar)	350	350
Max. power (kW/HP)	169/227	263/352
Max. speed (rpm)	1800	1800

Multiflo[®] Mudflo[™] 150 Pump Performance Curves



Weir Minerals

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