

WARMAN®
Centrifugal Slurry Pumps

Excellent
Minerals
Solutions



SJ Submersible Dewatering Pump



Weir Minerals are specialists in delivering and supporting slurry and dewatering equipment solutions including pumps, hydrocyclones, valves and wear resistant linings for global mining and mineral processing, the power sector, and general industry.



Weir Minerals, the global leader in slurry pumping solutions, offers the most complete range of pumps for dewatering in the industry; including submersible, self priming, cantilever, horizontal, multistage, vertical turbine, and positive displacement pumps.

We have used our vast experience from around the world to develop the Warman SJ pump range. The model SJ represents the optimal combination of ruggedness, durability, hydraulics and materials technology offering:

Trouble free and safe handling

Robust low weight design, encapsulated motor, wear resistant materials and no external moving parts makes operation easy and safe.

Ease of maintenance

A modular design and common components throughout the product range maximizes interchangeability resulting in reduced maintenance and inventory. Simple access to the separate sealed electrical junction box simplifies cable replacement and reduces downtime.

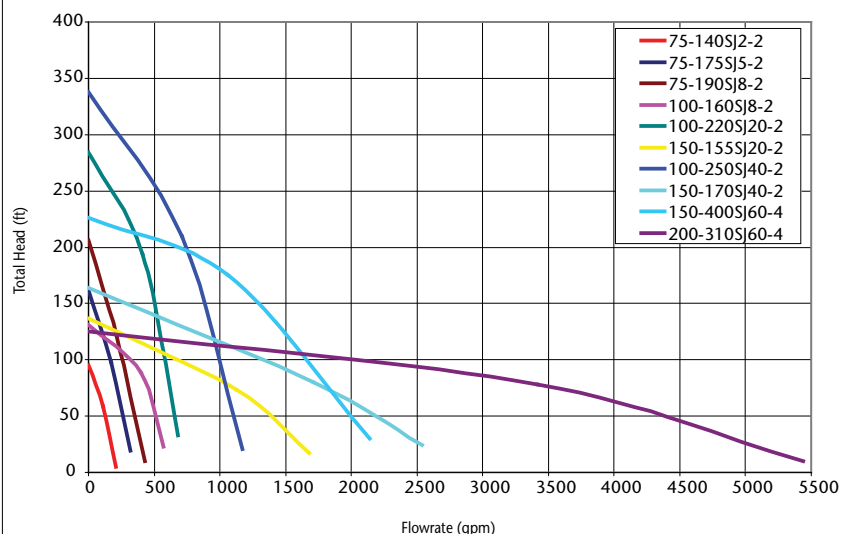
Installation Flexibility

- Equipped for immediate use
- Submersible to 20m (65ft)
- May be operated in any position
- Self priming
- Can operate in Snore or Run Dry conditions eliminating sump level issues
- Built in temperature sensors for automatic shutdown

The Warman SJ submersible dewatering pump range

Warman SJ range - 60Hz

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



The premium submersible dewatering pump from the global dewatering pump specialists

Ready to use straight from the box

High specification mining cable is supplied as standard

Can run dry or on snore

Heavy duty construction with double outer casing provides excellent heat convection making it possible to run the pump dry or on snore conditions

Motor protection

All pumps are fitted with bimetal thermal microswitches in each winding. In sizes up to SJ40, the thermal switches are connected to a built-in contactor that protects the motor from overheating. SJ60 units have an integral control circuit in the motor cable that facilitates external control.

Environmentally safe

Non toxic coatings and the use of white oil ensure that the pump is environmentally safe

Long life mechanical seal

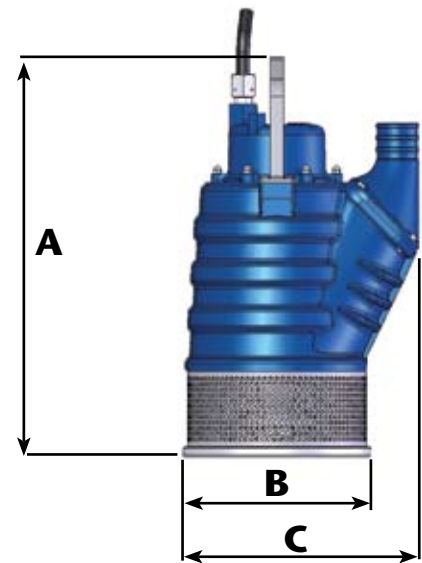
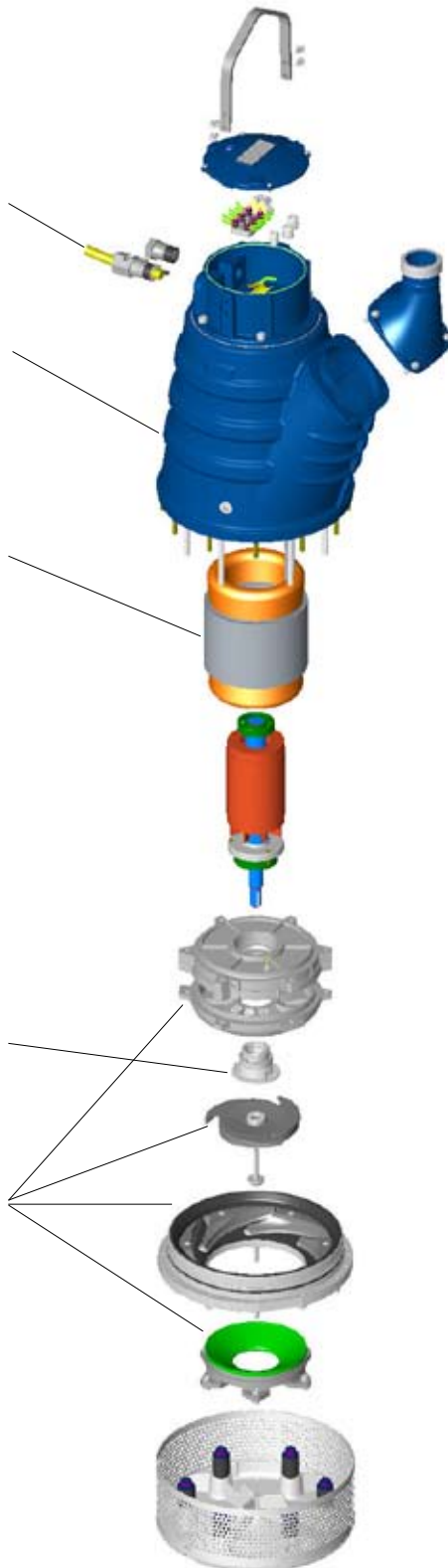
Silicone carbide faces on primary seal ensure the longest seal life in dirty water conditions

Wear resistant design

A high chrome iron impeller, nitrile covered motor plate and diffuser and a polyurethane wear plate represent the optimum combination of materials technology for dirty water conditions

Highly flexible

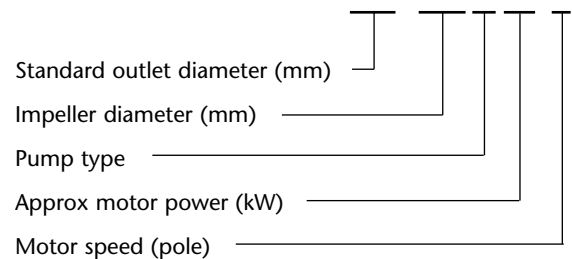
The pump can operate in any position, upright, horizontal or even upside down



Size	Discharge dia. inches (mm)	Weight lbs. (kg) includes cable	A mm	B mm	C mm
75-140SJ2-2	3 (75)	79 (36)	575	230	308
75-175SJ5-2	3 (75)	130 (59)	686	289	371
75-190SJ8-2	3 (75)	192 (87)	735	289	374
100-160SJ8-2	4 (100)	192 (87)	735	289	374
100-220SJ20-2	4 (100)	396 (180)	960	450	564
150-155SJ20-2	6 (150)	396 (180)	960	450	564
100-250SJ40-2	4 (100)	695 (316)	1114	533	646
150-170SJ40-5	6 (150)	695 (316)	1195	533	646
150-400SJ60-4	6 (150)	1300 (591)	1113	774	892
200-310SJ60-4	8 (200)	1300 (591)	1113	775	907

Product nomenclature explained :

100-220SJ20-2



SJ Submersible Pump Flotation Units

SJF submersible pump flotation units

The SJF flotation units are a simple yet highly efficient means of floating the Warman SJ submersible dewatering pumps.

They have been designed to offer a lightweight, safe and cost effective solution for floating submersible pumps.

SJF Applications

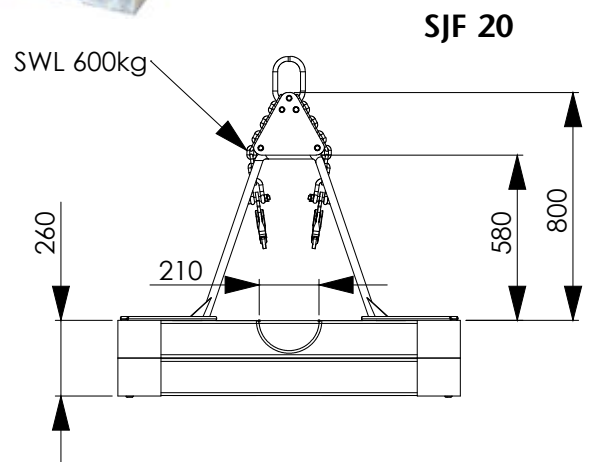
The SJF flotation units can be used anywhere that requires a Warman SJ pump to be floating on the surface, such as reclaim or recycle water applications

SJF standard features

- Compact and lightweight
- Oil resistant polyethylene filled with expanded polystyrene
- Galvanized steel metal parts
- Central lifting device for easy installation

Warman SJF benefit to the customer

The SJF flotation unit provides a simple economical method of keeping the pump off the bottom avoiding plugging or sanding in of the unit. This in turn allows the inflow of cleaner water into the pump reducing the amount of solids in the pumpage and your system. The result is longer life, reduced maintenance and the lowest total cost of ownership.



WARMAN® Centrifugal Slurry Pumps

GEHO® PD Slurry Pumps

VULCO® Wear Resistant Linings

CAVEX® Hydrocyclones

FLOWAY® PUMPS Vertical Turbine Pumps

ISOGATE® Slurry Valves

MULTIFLO® Mine Dewatering Pumps

HAZLETON® Specialty Slurry Pumps

LEWIS PUMPS™ Vertical Chemical Pumps

BEGEMANN PUMPS™ Centrifugal Process Pumps



For further information on any of these products or our support services contact your nearest sales office or visit:

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