PumpEng

JetGuard

METAL IS BEST PumpEng



Protect Your Pumps Against Shotcrete Polyfibre

Tough Pump for the Modern Miner.
Many dewatering pumps were designed before Shotcrete was widely used in underground mining. Shotcrete fibres are now a major cause of underground dewatering pump failure and production delay. In a multi-million dollar operation, even small delays can be expensive.

Benefits of JetGuard® for Mining Operators

Performance

Increase mine performance, productivity and profit by reducing breakdowns and delays.

Safety

Reduce workplace hazards by reducing the number of breakdowns.

Cost

Reduce equipment lifecycle cost by increasing total pump life.

AUSTRALIA PATENTED USA · CANADA

Patent Numbers:
AUSTRALIA - 2015230662 | CANADA - 2941904 | USA - 10514047
CHILE 59.801 | SOUTH AFRICA 2016/06902

Franklin Electric

About Us

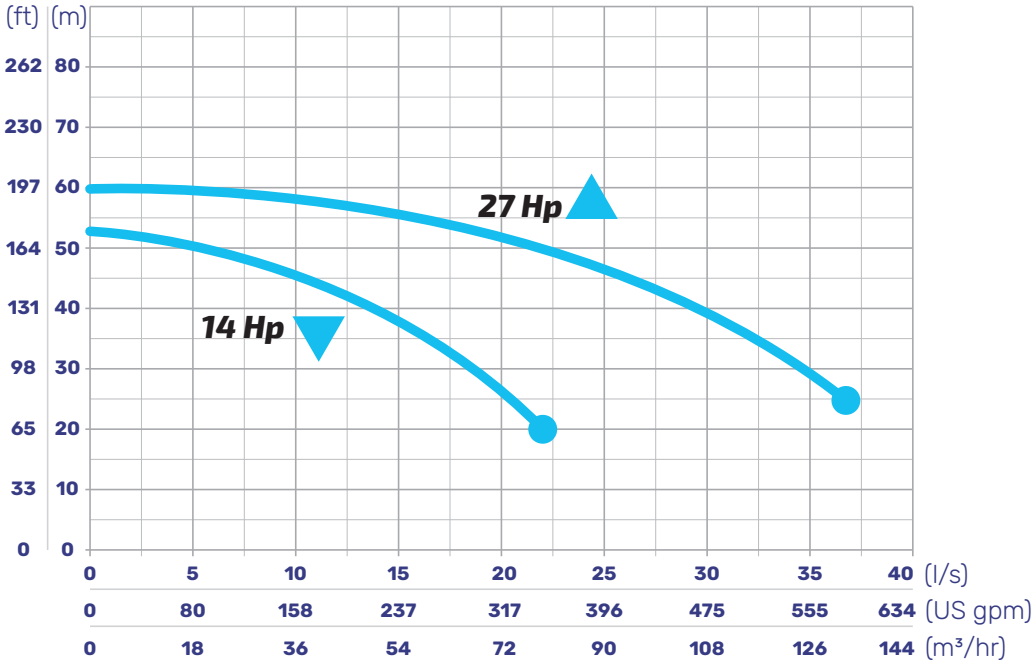
PumpEng is on a mission to redefine underground mine dewatering, prioritising excellence at every turn. Our commitment to innovation, reliability, availability, and personalised support throughout the product lifecycle ensures every mine operator a good day at work.

PumpEng is an Australian-based global Original Equipment Manufacturer (OEM) with a rich history of supplying submersible pumps to the mining sector. Renowned for excellence and innovative pumping solutions, we are a trusted global mining partner. Our core competencies include submersible pump design, manufacture, assembly and application guidance. A commitment to eco-friendly solutions reflects environmental responsibility.

Our client-centric approach fosters enduring partnerships worldwide, providing exceptional service and support. PumpEng upholds the highest standards and meets international regulations. PumpEng stands as a beacon of global OEM manufacturing, epitomising reliability, innovation, and customer-centricity for the mining sector. We're available, supportive, innovative and consultative.



Power Curves (50 & 60Hz)







Hydraulic barrier to keep fibre out



Cutting plate to chop fibre down



Metal wet end for longer pump life

JetGuard® Specifications

Model	Hp	Discharge	Voltage (Hz)	Solids Passage in mm	Max Head m (ft)	Max Flow l/s (gpm)	Max Diameter mm	Height mm	Weight kg
JP1041291	14	80mm	415 (50)	5	53 (173)	23 (365)	358	780	140
JP1041391	14	80mm	1000 (50)	5	53 (173)	23 (365)	358	780	140
JP1041491	14	80mm	600 (60)	5	53 (173)	23 (365)	358	780	140
JP1041591	14	80mm	480 (60)	5	53 (173)	23 (365)	358	780	140
JP1041791	14	80mm	1000 (60)	5	53 (173)	23 (365)	358	780	140
JP2031291	27	100mm	415 (50)	5	60 (196)	37 (586)	475	787	180
JP2031391	27	100mm	1000 (50)	5	60 (196)	37 (586)	475	787	180
JP2031491	27	100mm	600 (60)	5	60 (196)	37 (586)	475	787	180
JP2031591	27	100mm	480 (60)	5	60 (196)	37 (586)	475	787	180
JP2031791	27	100mm	1000 (60)	5	60 (196)	37 (586)	475	787	180

Motor Specifications	
Pole	2-Pole
Insulation Class	Class F/H
Motor Power Details	1000V, 415V 50Hz 480V, 600V & 1000V 60Hz
Max Liquid Temp	Fluid at 40°C
Max Submergence	22m

Pump Specifications	
Impeller	27 Chrome
Wear Parts	27 Chrome / CD4
Mechanical Seal	TC/TC/SS
Bearing	Heavy duty bearings
Outer Jacket	Stainless Steel
Shaft	Stainless Steel

Why The JetGuard® Pump Range Is Better:

1. Protected - Less Fibre Gets In

A hydraulic curtain repels surface fibre, and the suction strainer intake is on the bottom of the pump, not the side. So less Shotcrete fibre gets inside. If any fibres do get in, a cutter plate chops up fibres into tiny pieces.

2. Toughened - Metal Is Best

Internal components in the wet end are tough metal, not elastomer. Fibre and tramp can more quickly destroy elastomer components, while toughened steel components power on. The mechanical seal is in a non pressurised zone, away from the high pressure discharge area and removed from the fluid/Shotcrete path. JetGuard® is dry run tolerant and can run on the snore.

3. Productive - Less Downtime More Production

JetGuard® has been designed for tough environments, to keep on pumping when traditional dewatering pumps might fail. Less mining downtime, more production.

Full Service Provider



PumpEng® offers a full range of services for submersible pumps including:

- Hire
- Spare Parts
- Repairs
- Ongoing Support

PumpEng

Tough Submersible Pumps

Explore Your Options

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