



POWERWORKS (PTW) LTD.
MINING - INDUSTRIAL - MARINE



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PROFESSIONAL STARTER MOTOR SOLUTIONS

The Original Cast Iron Air Turbine Starters and
Hydraulic Starters for Diesel Engines in Mining, Marine,
Oil and Gas, and Other Industries.

JETSTREAM

POWERSTART
AIR & HYDRAULIC STARTERS

WHY CHOOSE AN **AIR TURBINE** OR **HYDRAULIC STARTER** FROM POWERWORKS

TRUE PRE-ENGAGED

Our starter motors fully engage with the ring gear before they start cranking the engine.

LONGEVITY

Our starters consist of cast iron and carbon steel which means they are more rugged, robust, longer lasting and resistant to corrosion and thermite reactions.

NO BATTERIES REQUIRED

Having no need for batteries, our starter motors eliminate the problems associated with the maintenance and theft thereof.

FLEXIBILITY

With modular flanges that can be indexed independently of the body and nose cone, the number of possible starter setups is literally limitless.

SERVICE

Powerworks have a good stock holding and short lead times, ensuring fast and reliable service to just about anywhere on the globe and our qualified technicians are always available to assist.

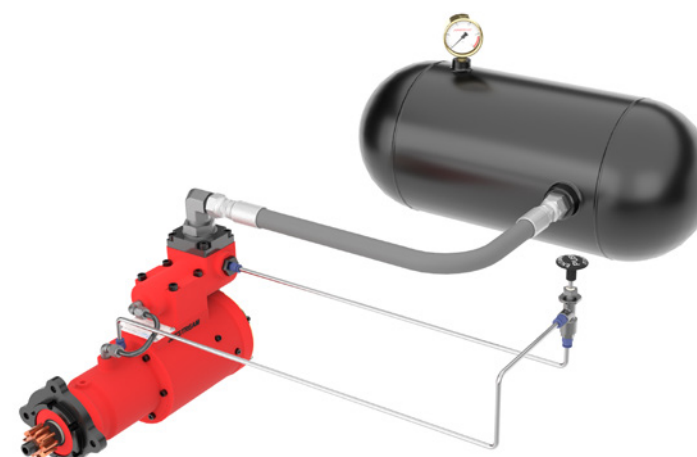
MAINTENANCE FREE

Our starters are fully sealed and lubricated making them maintenance free and safe to use in any environment.

ATEX APPROVED

We can offer fully ATEX approved options with our true pre-engaged technology coupled with an optional non-sparking beryllium copper pinion.

Powerworks have been synonymous with reliable alternative starting for over four decades by means of our range of hydraulic and air turbine starter motors. Satisfying the needs of our customers in record-breaking time, and providing first-class service to support our first-class products, has been the key to our continued success.



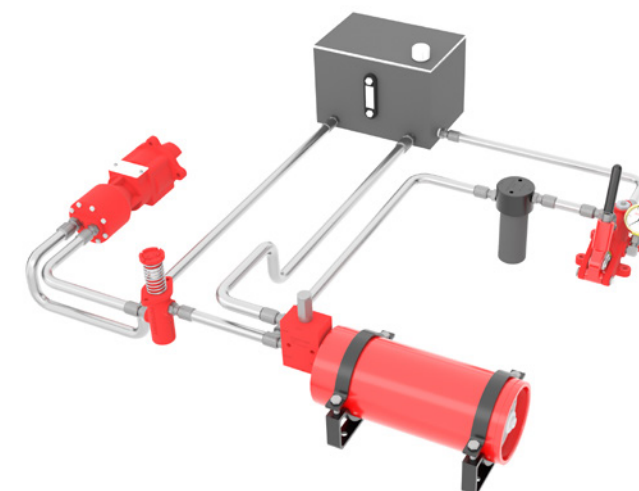
Constructed from robust and corrosion resistant cast iron. Capable of starting any diesel engine up to 80L (16 cylinders), from 3 Bar to 30 Bar, so no need for costly reduction valves.

Fully grease packed and sealed so requiring no maintenance. With three wear resistant turbine wheels designed to provide maximum torque and prevent overspinning, for the most environmentally and reliable starting possible

Optional integrated relay valves, solenoids and exhaust mufflers are available.

With models covering a torque range from 30Nm to 200Nm, our fully sealed hydraulic starter motors are immune to contaminants such as coal dust and corrosive salt spray. They are also unaffected by extreme temperatures, making our starters maintenance free whilst providing the maximum torque for faster, more reliable starting.

Always primed and ready to start via our accumulator's infinite energy storage system which can be manually charged with our optional hand pump.



ACCESSORIES



Accumulator

Designed to BS EN 14359:2017 and PED 2014/68/EU



Hand Pump

Able to manually pressurise the system



Foot Valve

Reliable and simple start control



Exhaust Muffler

To greatly reduce noise



Exhaust Adapters

Straight and 90°



Integrated relay valves

Bolts directly onto the starters without additional fittings