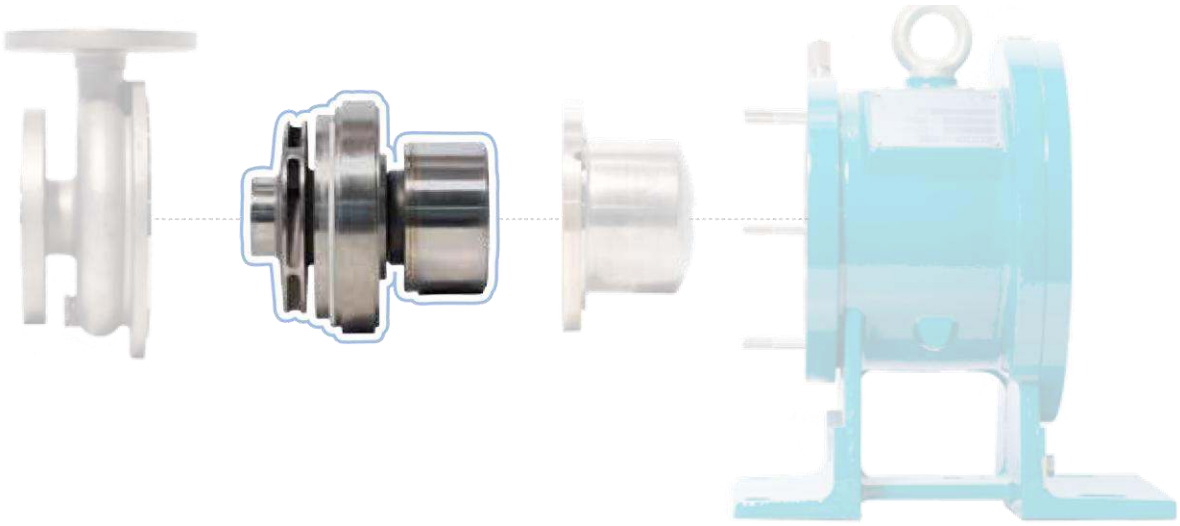
Pump Cartridge Assembly

Reduce downtime in your plant with our new **Pump Cartridge Assembly** units for our metallic magnetic drive pump ranges. They dramatically reduce downtime and can be an economical way of having spares available for your existing CDR pumps whenever you need them.



CDR Pumps work with you to provide a safe and reliable pumping solution to make sure your plant operates to its full capacity, however being a piece of rotating equipment, mechanical failures can unfortunately occur.

Your prime interest will be the safe and efficient manner in which you can bring your plant back into operation and CDR Pumps have released a new incentive to make this objective achievable with the launch of 'Pump Cartridge Assemblies' for our metallic magnetic drive pump ranges.

The cartridge assembly is a pre assembled rotating element, complete with all gaskets and bearings, pre built, which means that you simply have to remove the pump from the front casing, and replace the rotating element new assembly. The assembly itself includes all components including Impeller, Internal magnet, Sleeve bearings, bearing support and all gaskets to make it a quick and reliable procedure.

This method can hugely reduce downtime; these cartridges are also an economical way for keeping spares on the shelf to cover your existing CDR units in operation.

Once the pump is then back in operation, the old cartridge can be boxed up and returned to us to be overhauled and then returned as your on-site spare cartridge assembly.

Call us today on 01933 674777 for more information

www.cdrpumps.co.uk

**CDR Pumps (UK) Ltd, 3 Morris Close,
Wellingborough, Northants, NN8 6XF
T: 01933 674777 E: sales@cdrpumps.co.uk**

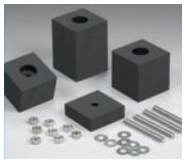
CDR Pumps UK Ltd | Making the right choice...

Polymer Concrete Baseplates

Keeping your rotating equipment level is essential. Polymer Concrete Baseplates outperform steel baseplates in every way. Using PoxyBase CC® and PoxyBase Plus® with Zanite® guarantee you unmatched surface flatness compared to Conventional Steel designs and common Vinyl Ester Concrete materials. Zanite® also provides significant vibration damping, greater thermal stability, more resistance to twisting and diaphragming, and superior corrosion resistance. And, it is easier and less costly to install and requires no maintenance.
Your benefit: equipment that lasts longer and operates more efficiently for a healthier bottom line.

THE ADVANTAGE OF POLYMER CONCRETE BASEPLATES

- Flat mounting surface to 0.002”/foot
- Significantly better vibration damping compared to conventional steel bases
- Reduces grouting and installation problems saving time and money
- ASME/ANSI-1991 dimensionally compliant
- Excellent resistance to twisting
- Corrosion resistant to most chemicals
- Multiple inserts for all motor frames standard on PoxyBase Plus®
- PoxyBase CC® designed to accommodate close-coupled installations



POXYBLOCK KITS
includes all stainless steel hardware

INSERT KITS
for field repair, replacement and installation

MOTOR ADJUSTS
for fast, precise alignment

STILT MOUNTING
for non-grouted installations

Using polymer concrete baseplates instead of conventional steel bases with comparable features will result in significant installation savings

Polymer Concrete Baseplates simply outperform standard reinforced steel baseplates. The reason is Zanite®. This scientifically formulated, corrosion-resistant concrete material is designed for casting machine bases and other structural components. It is a blend of pure silicon dioxide ceramic quartz aggregate, high strength epoxy resin and selective additives.
The bottom line: a superior, consistently level baseplate that increases equipment life spans a significantly reduced the overall cost of ownership.

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Digital Load Monitor

The digital load monitor is the fastest and most accurate system to protect your pump from the following:

- Dry running
- End of curve operation
- Close valve operation

This device measures true power consumption of 3-phase AC motors and displays consumption as a percentage of a selected power range. The display shows power in units of %kW which represent the percentage of full load power range for the unit.

As operating conditions on a pump curve change due to dry running, blocked discharge line, closed valves, empty supply tanks etc, the power monitor automatically trips the motor before mechanical damage and failure to the pump occurs. This is proven technology which eliminates pump failure.

Control functions

Control functions comprise two independent and programmable trip functions:

Low Power Alarm – for example, to stop a pump in the event of dry-running, and
High Power Alarm – for example, to stop a feeder when blocked

- The alarm functions activate a single alarm relay which may be used to control the motor being monitored; i.e. to trip a shut-down in the event of either a high or low power alarm.
- May be configured to monitor any size motor either with the internal current transformer for applications up to 8A or with an external CT for applications above 8A.
- Provides consistent sensitivity across the complete motor load range making it ideal for low trip applications where amp meters are ineffective. In addition, the HPL 110 measurement principle allows it to be used on non-sine shaped loads such as Variable Frequency Drives.

PT100 Thermocouple

Temperature monitoring of process liquid or heat increase due to closed valve operation can be monitored by use of a PT100 thermocouple, measuring temperature directly in the area of the Isolation shell to avoid detrimental operating temperatures. These are only recommended for use on metallic pumps as the thermal conductivity of non-metallic materials is poor and so ineffective. Output from the PT100 can be either analogue or 4-20mA.

To find out how our range of pump accessories can keep you up and running for longer, call us today on 01933 674777 or email sales@cdrpumps.co.uk

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