

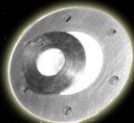


KPM Marine D.E. Ltd.

Safety critical Design and Engineering for the Marine industry

Innovating Safety at Sea

Endurance
Rebuild Kits



Endurance Engine
pumps



Run dry Bilge
Pumps



Multi Point
Bilge pumps



Filtration &
Pollution control



Press Release

Second Breath Pump Rebuild Kits

For many years flexible impeller pumps used in the marine environment have been notoriously unreliable and costly to run and maintain. As a result KPM developed their Endurance range of pumps which allowed run dry capability and reliability not seen with any other pump on the market. KPM pumps for many years have been favoured by military, race and commercial sectors.

In the development of its own pumps KPM engineers turned their attention to how KPM's Technology could be applied to existing makes of pumps to enhance their performance and overall reliability without the expense of buying and fitting a KPM endurance pump.

Through extensive research and development KPM engineers identified that the main cause of pump and failure was caused by excessive friction and wear at the ends of the impeller. As a solution KPM developed its patented **TIBS** system (*Trust Interjacent Bearing and Seal*) , found in its range of endurance pumps.

TIBS works by reducing the friction by use of a rotating bronze disc between the impeller and a low friction polymer bearing .When these **TIBS** are worn they can be replaced at very low cost rather than buying a new pump or costly spares

KPM have adopted the **TIBS™** technology into its **SECOND BREATH REBUILD KITS™** for most popular makes of pump to give a cost effective solution to pump wear and failure. Extensive trials with commercial customers have proven to give

- Increased pump life** due to reduced wear and stress on bearings
- Increased Impeller Life** with no reported failures to date.
- Increased Run dry** capability exceeds SOLAS requirements.
- Reduced wear** in sandy water.
- Reduced spares cost** and save £££'s.
- Eliminate winter stick.** No failure reported
- Improved long term Prime** even after run dry.
- Regenerate worn pumps.**

Second Breath rebuild kits are as easy to install as the existing cover plate and now offer the pleasure boater increased safety and the benefits of a KPM endurance pump with longer term cost savings in expensive impellers and pump replacements.

KPM **Second Breath rebuild kits** are available to suit impeller diameters from 30-118mm



North American Distributor

Toll Free: 888-805-8440

International: 250-381-5900

E-mail: sales@kpmmarine.com

Web: www.kpmmarine.com