Sundyne Sealless Impeller With Fully Encapsulated Drive

Main Bushing

Keyless bushing cannot be installed incorrectly. Oversized, heavy duty one-piece design maintains rated performance long-term. Available in SiC or carbon.

ANSIMAG Simple By Design™





Shaft

The non-rotating shaft eliminates the need for internal fasteners and additional O-rings. The patented shaft groove allows unexpected particles to travel along the shaft without damaging the radial bearings and prevents a stagnation of flow in the read casing.

Inner Magnet Drive

Utilizes state-of-the-art molding techniques to eliminate all plastic welding and machining that often leads to chemical attack. All K+ inner drives can be used with any size impeller for ease of use and simplicity.



Removable for quick and easy field replacement. The hydropad design allows the pumping of almost any heat sensitive liquid. Available in CFR/PTFE or SiC.



Shaft Support/ Thrust Ring

One-piece construction is removable without special tools. The thrust ring is SiC and the shaft support is CFR/ETFE.

Impeller ·

Constructed of a proprietary blend of CFR/ETFE developed by Ansimag for maximum chemical resistance. Molded using the lost-core method to

provide unmatched strength and hydraulic perfor-

mance. Separate from the inner magnet drive to

reduce inventory and increase flexibility.

O-Ring

For better field reliability, there's only one fully confined sealing O-ring. Available in FKM, EPDM, or special materials by request.



reduces energy costs by eliminating all unwanted heat. Its shell is an injection molded fluoropolymer backed by a composite cover. This design provides an even higher burst pressure and safety factor.





Bracket

Outer Drive Magnet/Hub To minimize inventory costs and maximize convenience, this outer drive utilizes pre-balanced universal hubs to allow and drive strength to couple to any motor shaft diameter. The rare-earth magnets are completely uncapsulated for protection against corrosive environments inside and out.



Drain

Blind flange drain is standard. Plugged flange drain is available as an option.



The top centerline discharge casing is made of ductile iron and is designed to handle heavy pipe loads. The seamless molded-in-place fluoropolymer liner is used for maximum corrosion resistance.



The innovative rear casing design



