

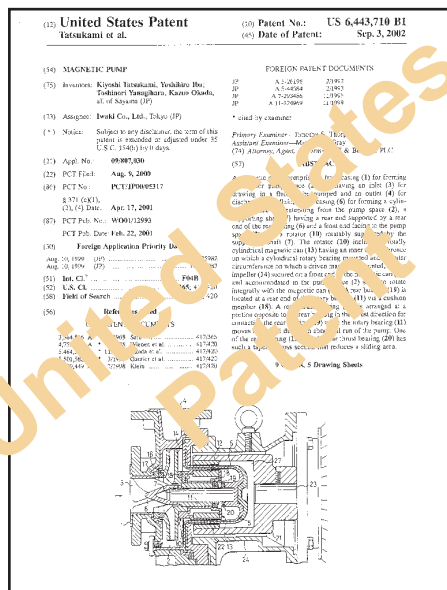


MDM Technical Solutions

Dry Run!

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Patented Non-Contact Design!

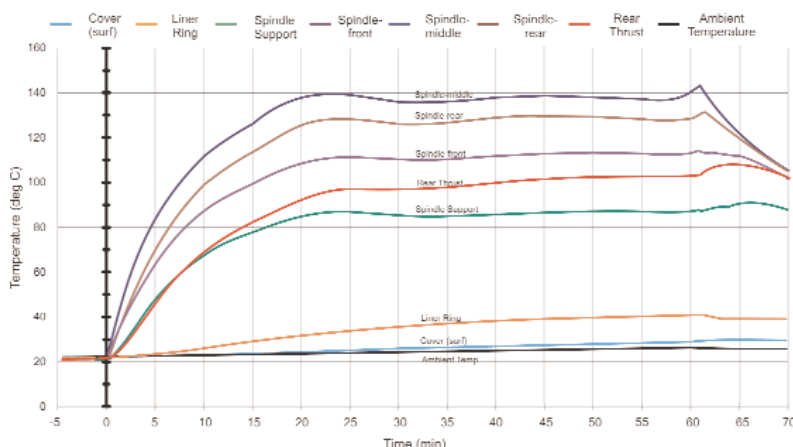
Internal bearing system and magnet positioning eliminates contact of axial thrust bearing surfaces in dry run situations. Bearing passages remain open, allowing air circulation through the radial bearing, maintaining a steady state temperature. This prevents localized frictional heat buildup in the bearing system and damage to the surrounding material. All MDM dry run designs are rated for up to one hour at a time and repeatable, even up to 25 HP!

Inner Magnet Design

All MDM pumps use Samarium Cobalt drive magnets in the inner magnet capsules. This not only gives MDM inner magnets superior resistance to chemical attack from permeation, it also provides the strength, even at elevated temperatures experienced during dry run operation, to ensure the inner rotating assembly is kept in a neutral position. This keeps the bearing paths open, preventing catastrophic damage to the pump.

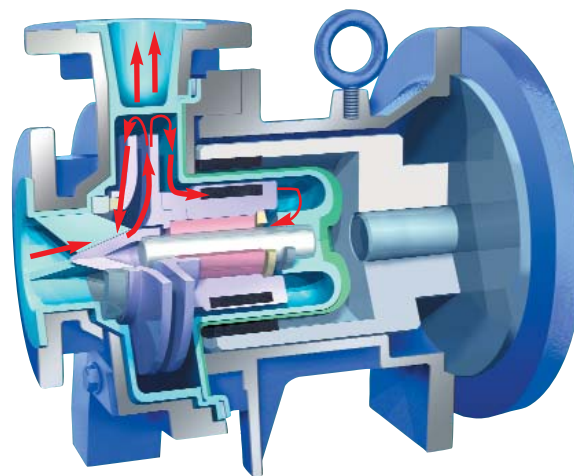
Bearing Design!

Using the inherent self-lubricating properties and thermal stability of our high-density carbon radial bearings, our MDM series can run dry with minimized frictional wear and temperature rise eliminating the concerns over fracturing from differential expansion of the surrounding molded materials.



Two-Year Warranty

All the benefits of superior engineering and a dry run rated design along with a two-year warranty. MDM is the right choice for your tough applications!



Air Circulation through Bearing System