

# PumpAction..... Issue 18

## NEWS

---

### HMD's API's ensure safe, leak-free operation

Over the years, sealless technology has gained acceptance in many refineries, due to numerous installations reducing maintenance costs, and increasing reliability. This prompted the American Petroleum Institute (API) to release the first edition of API685 for sealless centrifugal pumps, specifically designed for magnetic drive and canned motor pumps.

HMD's sealless GSP range fully conforms to the API685 specification with standard materials of construction being A8 and S5 incorporating hard-wearing silicon carbide internal radial and thrust bearings.

With many mechanically sealed centrifugal pumps, the seal support system can be very expensive, along with on-going maintenance. HMD's sealless design eliminates this system and can actually reduce much of the ongoing maintenance cost and the protection methods used to alert the end-user to any pump or process problems. The pumps are simple to operate and low in initial cost.

Performance capabilities of HMD's Sealless GSP range are:

- Capacity: To 1000 m<sup>3</sup>/hr
- Head: To 300m
- Pressure: To 40 Bar system
- Temperature: To 350°C

At Kelair Pumps, we can provide data on the many HMD GSP API685 installations around the world.



Pumps installed in a major overseas refinery



HMD (UK's) John Walker at AustralAsian Oil & Gas Exhibition, Perth in February, with the GSP (API685 1st edition sealless centrifugal pump), shipped from England for Kelair Pumps' stand