

Sealless Pumps

API 685

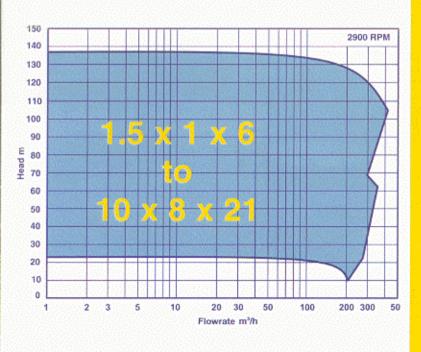
world-leading technology world-leading company

GSP range

Product Profile

Magnet drive, end suction, centrifugal pumps for the Petroleum and Heavy Chemical Industries.





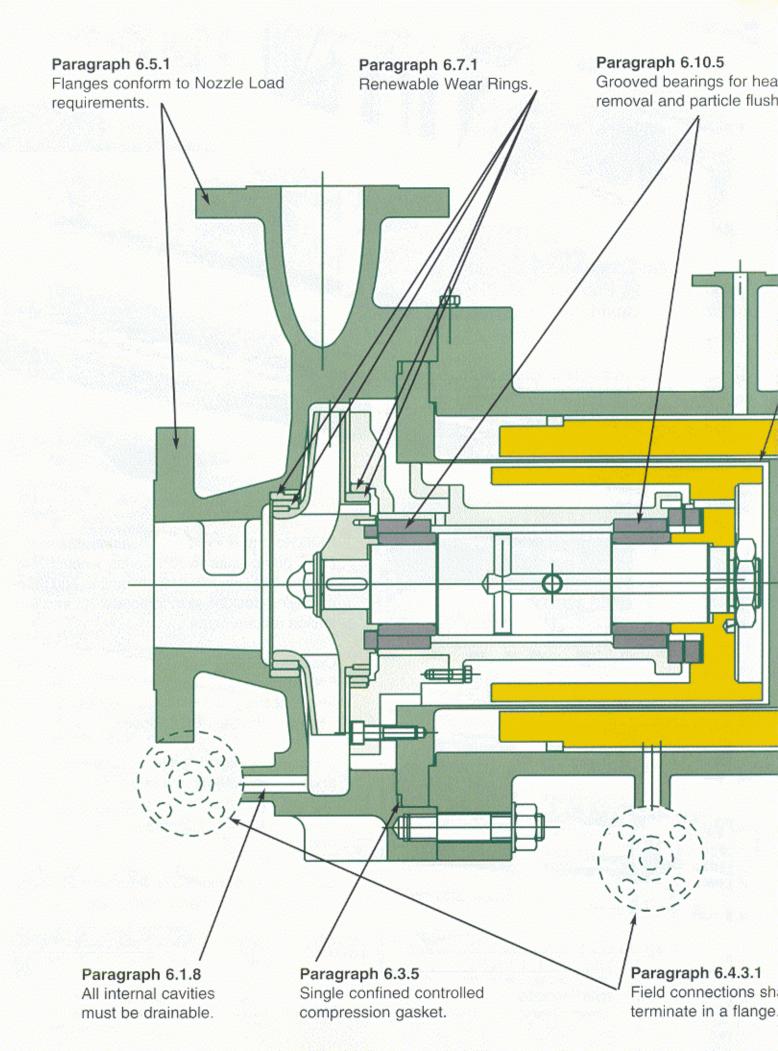


HMD/Kontro have been building Magnetic Drive pump units to API codes since 1984, starting first with API 610 6th edition and then modifying designs to incorporate 7th and 8th edition requirements.

October 2000 saw the official release of API 685, a code dedicated to Seal/less pumps and once again HMD/Kontro are at the forefront with their GSP models.

Pump users industry-wide have had their say, and their comments and requests have been applied throughout the specification. With our 17 years API experience and our 50 year heritage in magnetic drive technology backing us HMD/Kontro are in an ideal position to provide your pump requirements for Refinery and Heavy Duty Chemical services.

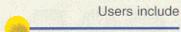
Our range of API 685 pumps is being continuously developed and extended and currently stands at over 30 sizes.



API 685 ng. Paragraph 9.1.2.1 Containment shell constructed in accordance Alpha SiC Internal Bearings with ASME VIII code for pressure vessels. High Efficiency Magnet Drive Single Gasket Paragraph 6.9.3.7 Bearing housing dimple • Temperatures up to 750°F/400°C for vibration monitoring. (No cooling required) · Working Pressure 580 psi/40 bar 17 Years API Experience Non Sparking Bump Ring Paragraph 9.1.2.2.2 Non sparking labyrinth. Paragraph 4.1.4.1.1 Bearings to L10 Paragraph 6.3.8 50,000 hours. Centerline supported casings shall be used.



Sundyne (S



Esso Statoil BP Amaco Exxon ICI Petronas Pemex Shell

BASF Texaco **Phillips**

Liquids handled

Acrylic Monomers Acrylonitrile Amyl Acetate Aromatics Benzene Butadiene Butane Chloroform Cyclohexane Dichlorobenzene Ethylene Hexane Kerosene LPG

MDI Methylene Dichloride Methyl Naphthalene MMA Naphtha

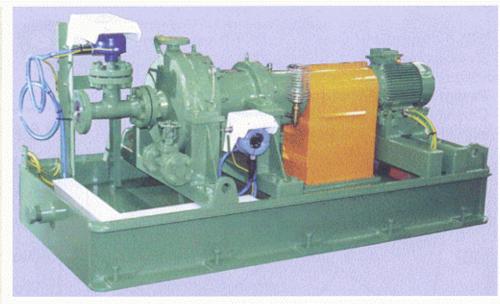
Naphthalene Pentane Phenol Pyridine Pyrogallic Acid Styrene

Sulphuric Acid

TDA TDI Toluene Trichloroethylene Vinyl Acetate Various Chlorinated Hydrocarbons

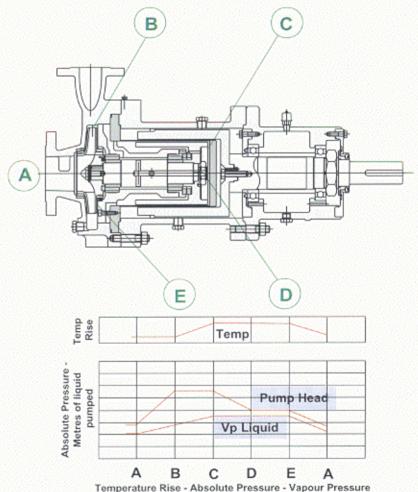
Xylene





Optional Instrumentation Packages available

Internal Pressure / Temperature Profiles Available



Characteristics of internal feed system



Sealless Pumps

