

ABSTRACT

AIR BEARING FOR USE AS SEAL

In order to effect a seal; a porous material which comprises one side of two opposing surfaces is used to restrict and evenly distribute externally pressurized gas, liquid, steam, etc. between the two surfaces, exerting a force which is opposite the forces from pressure differences or springs trying to close the two faces together and so may create a non contact seal that is more stable and reliable than hydrodynamic seals currently in use.

Fig. 1A