

Abstract

Self-compensating dynamic joint

The invention relates to a self-compensating dynamic joint (32) between two parts (11, 21) of a piece of equipment, namely a fixed part and a moving part rotatable about an axis of rotation of the fixed part, to ensure the sealing of the equipment with respect to the outside. It comprises:

- a sealing part (321) having a given coefficient of thermal expansion, provided with an end (322) bearing on a bearing surface (111) of a first part (11), and mounted in a sealed way in a rigid mechanical structure (323) connected to the second part (21),
- a compensation element (324), forming the link between the mechanical structure and the second part in a sealed way, said compensation element being thermally deformable and designed in such a way that, when the temperature varies, the displacements of the mechanical structure resulting from the deformations of the compensation element ensure that said bearing end of the sealing part is kept in contact with the bearing surface.