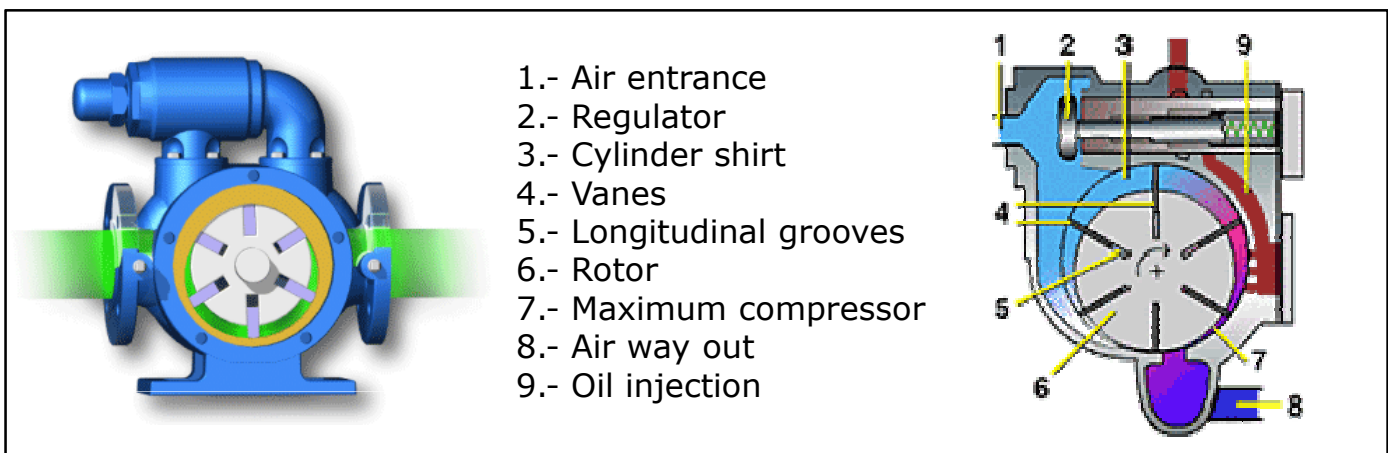


vacuum pumps vanes

The base from the rotary vanes groups, working to compression or vacuum, is based upon the progressive decrease of the fluid volume between the vanes, which slide by the centrifugal force above the rotor lodging, eccentrically located towards the cylinder.

SCHEME FROM A ROTARY GROUP OF VANES

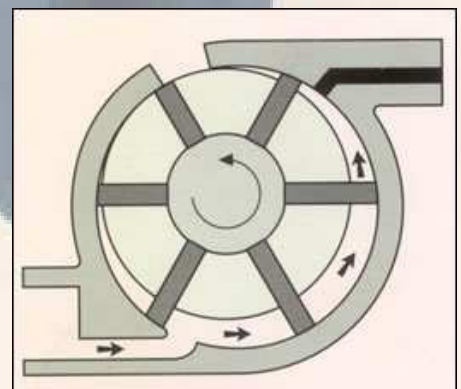


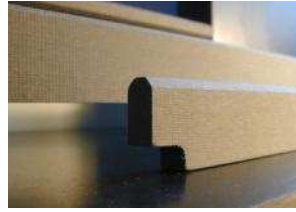
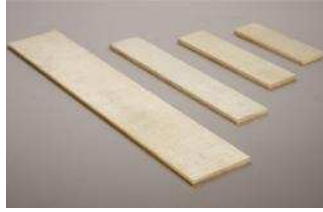
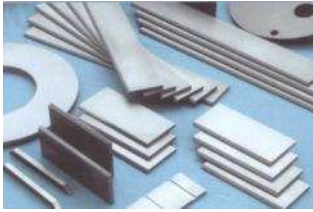
GRAPHITE AND FIBER VANES

Vaness made by graphite impregnated in resin and fiber compound are specially recommended for its use in vacuum pumps, rotary compressors and fuel tank counters. Graphite and fiber vanes can work under dry or wet working conditions and its working limit is above any other material.

APLICATIONS:

- Vacuum pumps
- Rotary compressors
- Fuel tank counters
- Equipment for food process
- Printer machines
- Packing machines





vacuum pumps vanes

GRAPHITE VANES PROPERTIES

■ SELF-LUBRICANT

One of the main properties from graphite is the self-lubrication, therefore is very good for pumps working in vacuum conditions or with liquids which have a poor lubrication. Even in applications without self-lubrication requirements, graphite vanes gives a soft polish in the cylinder wall, and this reduces the vanes wear index.

■ CHEMICALLY INERT AND NON-TOXIC

Graphite impregnated by resin, does not pollute the liquids or gases, and can be used with safety in equipment for food process or in other fields where the purity is required.

■ CHEMICAL AGENTS RESISTANT

Graphite vanes are chemically resistant against the great part of fields and specially in corrosive and aggressive environments.

■ HIGH MECHANICAL RESISTANCE

One of the main requirements in the vanes material is the mechanical resistance. The graphite vanes, because of their properties, enclose pressures that goes from 3,2 Kg/cm² and speeds until 12,7 m/sg.

FIBER VANES PROPERTIES

Fiber vanes are specially indicated for grasing compressors. The most used composition is the cotton and aramide material with fenolic resin and graphite impregnation.

They have excelent mechanical properties and watertightness. Good dimensional stability. Adapted to work with oil and air.



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