

Carbon Products (INDIA)

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Carbon Blades / Carbon Vanes



Carbon Blades / Vanes

Our vanes are made in different carbon materials (carbon graphite, metal-impregnated carbon graphite and resin-impregnated graphite) to meet many different application requirements. All our grades retain the basic properties which make Carbon unique as an engineering material and particularly suited for vanes which may operate in conditions beyond the limits of other materials.

Self-Lubricating

Carbon vanes are self-lubricating and therefore, ideal for pumps, handling liquids such as petrol which has poor lubricating properties. They can also operate in unlubricated compressors to deliver air or gas uncontaminated by lubricating oil or grease, in which case Carbon gives a fine polish to the cylinder wall which reduces the wear rate of the vane after bedding almost negligible proportions.

Chemically Inert & Non-Toxic

Carbon vanes are chemically inert and non-toxic and cannot contaminate the liquid or gas being handled. They can safely be used in food-processing equipment and in other fields where purity is essential. Carbon vanes are totally unaffected by water (pure or salt), most acids, alkalis or oil solvents such as petrol or paraffin. In these conditions, the liquid can reduce friction and wear by providing lubrication between vane and rotor slots and vane top and cylinder wall.

High Mechanical Strength

One of the most important requirements for vane materials is high mechanical strength. Our Carbon vanes meet this requirement.

Major Applications

- 1) Air Pumps for the printing industry.
- 2) Spray paint equipment
- 3) Packing machines
- 4) Food processing equipment
- 5) Wet running vane pumps and meters
- 6) Automotive diesel fuel pumps
- 7) Drink vending machines
- 8) Fuel tanker meters
- 9) Printing machines
- 10) Aircraft fuel tank metering
- 11) Automobile door central locking pumps
- 12) Automobile central pneumatic system
- 13) Fuel Dispensing pumps

Our Carbon Graphite Blades are dimensionally stable both through a wide temperature range and in a variety of fluids. Very fine vane-to-rotor slot clearances may, therefore, be set and maintained, thus ensuring maximum efficiency.

Carbon Graphite Valve seats, & Kidney Valves

We are also manufacturing Carbon Graphite Valve seats, Carbon Graphite Kidney Valves etc. for Fuel dispensing pump manufactures, as per their specific designs.

Below are some of the designs.

