# **Applications**



## **Chemical Industry**

Household products

Strong acids **Emulsions** 

Polymers Paper coating Water treatment

### **Food Process** Industry

Bakery Beverage Brewery Dairy Meat Canning Confectionery

#### **Health Care Products**

Cosmetics Creams Lotions Dietary products

### **Pharmaceutical** Industry

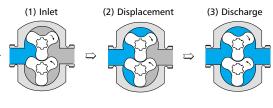
**Nutraceutical** Cell slurries **Buffer solutions Bio-products** 

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# **Principles of Operation**

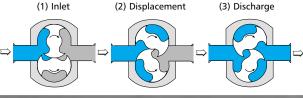
The 3 LOBE rotor form is the traditional rotor form used in rotary lobe pumps and offers excellent suction capability, viscous handling and particulate handling. The Bi-wing rotor is a more recent innovation that gives benefits of efficiency on low viscosity as well as its high viscosity capability. The **5-LOBE** rotor is a special variant that gives excellent low shear handling of low viscosity, shear sensitive cell cultures and broths. Other rotor forms and types are available for special requirements e.g. bi-lobe rotors for high solids concentration and rubber covered rotors for handling small hard particles.

#### 3 Lobe Rotor



Every Jabsco Lobe Pump is a true positive displacement rotary lobe pump. During operation, fluid is smoothly drawn into the pump (1) and carried through (2) to be positively discharged (3) at a steady flow rate. This action, combined with the absence of rubbing contact between the rotors or casing, is capable of handling fluid reliably, cleanly and without degradation.

### **Bi-wing Rotor**



Jabsco products are supported by a committed, thoroughly trained customer sales and service team who provide technical and commercial advice.

The Jabsco web-site (www.jabsco.com) is a source of detailed product and application information. You can also download technical data sheets from the site.

We are also famous for our global distribution network offering local advice and knowledge, pump selection and installation guidance, pump and spares stockholding, system design and components, complementary products and full service facilities.

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**GERMANY** 

USA

UK

**JAPAN** 

5 Lobe

Rotor

(2) Displacement



ITT Industries

Engineered for life











