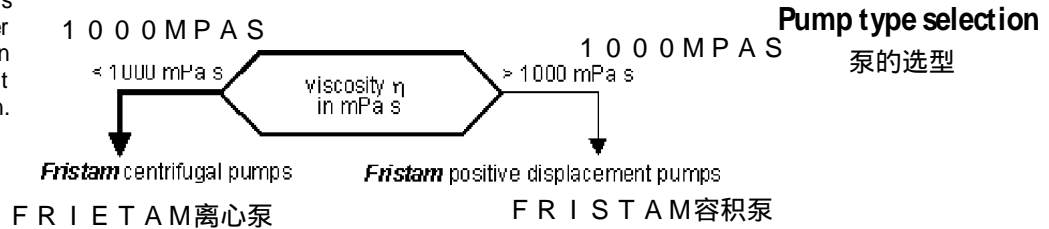


一旦必需的总压头被确定，就可以确定泵的型号，以及从 *Fristam* 泵曲线中确定泵的规格
Once the required total head has been calculated, the pump type can be selected and the required pump can be sized by means of the *Fristam* pump curves.

粘度是流体很重要的参数，将使我们选出正确的泵
The viscosity of the fluid is an important parameter for the pump selection and leads us to the right decision.



F R I E T A M 离心泵是装备开放式叶轮的，适合输送粘度小于 1000 的流体
Fristam centrifugal pumps are equipped with open impellers which are suitable for the transfer of liquids with viscosities up to 1000 mPa s.

离心泵有如下特征

Centrifugal pumps have the following features:

- pulsation free transfer without alteration of flow rate and total head. 能不改变流量和总压头下，有节律的自由输送
- high reliability in operation due to low number of moving parts. 因为很少移动部件，所以有高可靠性
- high operating speed, directly coupled to high-speed electric motors. 高工作速度，可直接与电机马达相连
- small dimensions and therefore low space requirement. 尺寸小所需要的空间小
- low operating costs. 很低的生产成本
- excellent performance control by speed adjustment. 可用于变频器进行卓越的性能控制

Fristam positive displacement pumps F R I E T A M 容积泵

Usually it is recommended to use positive displacement pumps for low flow rates and high pressures. Even though the viscosity of the fluid would not require its use, because a centrifugal pump would work under these conditions with a very low efficiency rate.
通常它用在低流量和高压力的场合，即使流体粘度不适合也要用它以为离心泵在这些条件下工作效率非常低

Note: 注意

In the following chapters the various pump types, centrifugal and positive displacement are described with tips for the correct selection of the pump size. Each general pump type description is followed by a section dealing with the correct use of the pump curves provided.
在下列章节中，请按顶描述来正确选择离心泵和容积的规格泵
用泵的曲线来选择正确的泵