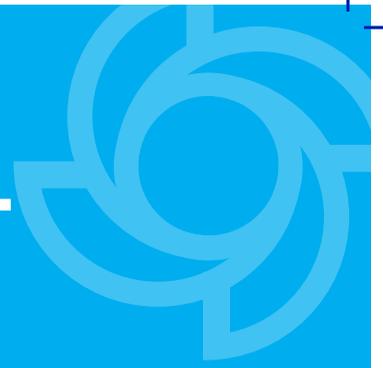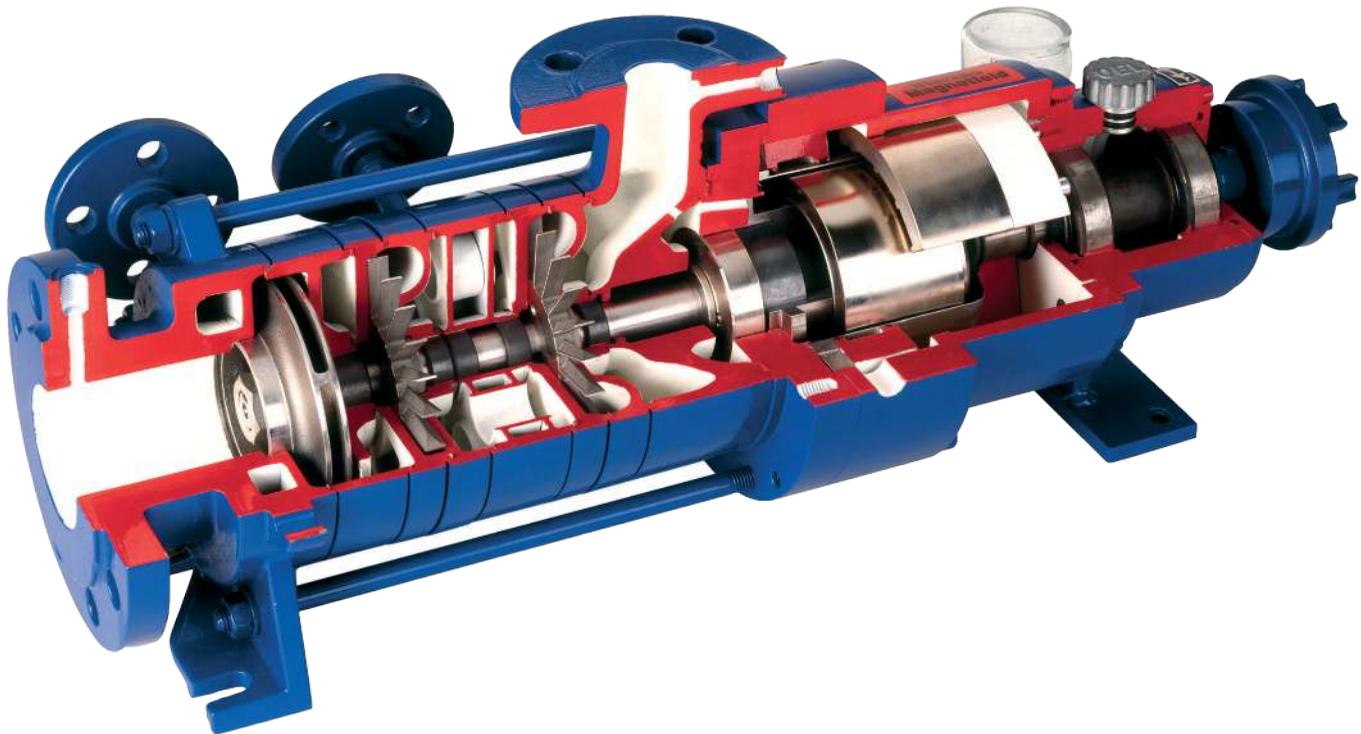# SIDE CHANNEL
PUMPS

SEALLESS MULTI-STAGE PUMPS
Designed for Critical Process Services

- Low Flows / High Differential Heads
- Low NPSH Requirements
- Up to 50% Gas Entrained Capabilities
- Sealless, Magnetic Drive Option

Making the **right** choice…

The side-channel pump fills the void between a centrifugal pump and a positive displacement pump. It can come as a mechanically sealed or magnetically driven unit and is constructed of an impeller, side-channel casing and a stage casing.

Side-channel pumps are capable of handling gas entrained liquids with up to 50% inclusion with a temperature range 0f -20° →120° as standard with modifications capable of increasing the range significantly. Due to the modular design we can have over 4800 mechanical variants which helps us become extremely flexible to your system requirements.

- **LOW NPSH**
  Can operate with as little as 0.35m

- **LOW FLOW**
  Ideally suited to low flow applications, as low as 0.4 m3/hr.

- **HIGH PRESSURE**
  8 to 9x higher pressure can be achieved compared to a centrifugal pump (up to 100 bar).

- **GAS ENTRAINED LIQUIDS**
  Having gas entrained in a liquid is no problem, our side channel pumps can operate with up to 50% entrained gas.

- **SUCTION LIFT**
  Self-priming suction lift of up to 8.5m.

- **EASY CONTROLLABILITY**
  Due to the steep curves that these pumps operate on we can easily control head and flow.

- **LOW VISCOSITY**
  These pumps can also handle lower viscosity compared to most pumps in the market today.

To find out why side-channel pumps are the right choice for your application, call CDR Pumps on 01933 674777