

Peristaltic Pump Range For Where Other Pumps Fail

» Say goodbye to dry running damage, frequent downtime, clogged valves and high spares costs.



PERFORMANCE BENEFITS

- Simple, low cost maintenance** – The inner hose is the only wetted part. No valves to clog or seals to fail
- Abrasion resistant** – Can handle dry, viscous slurries and fluids with sharp or stringy solids without damage
- Applies low shear** – Ideal for delicate fluids that can be damaged or altered by other pump types
- Leak-free** – The absence of seals that wear and leak make it ideal for aggressive chemicals and process liquids
- Excellent suction capabilities** – Self-priming up to 9m and can dry run without damage if left running
- Reversible operation** – For tank to tank transfer and the recovery of fluid from the hose after use
- Heavy duty ball bearing** – Motor and gear shaft share the load, adding strength and increasing the lifespan
- Patented double conical hose clamp** – Enables quick replacement of the hose, and a tight, leak free connection

CIVIL ENGINEERING & MINING



CHEMICAL & MANUFACTURING



WASTEWATER & TREATMENT



TYPICAL APPLICATIONS

- ✓ Cement, grout, clay & mud
- ✓ Abrasive slurries & oily sludges
- ✓ Wastewater containing solids
- ✓ Sewage & effluent
- ✓ Organic waste & biomass
- ✓ Paint, ink, dye, resin & glue
- ✓ Process water & fluids
- ✓ Chemical transfer & dosing
- ✓ FDA approved for food



CASTLE PUMPS LTD

Peristaltic Pump Range Models & Accessories



AMP.

Flow Rate – Up to 20lpm

Max Pressure – 8 bar

Outlet Sizes – 3/8" to 1"

Max Viscosity – 20,000 cSt

Solids Size – Up to 22mm

Roller Type – Lower energy consumption and start up torque



FMP.

Flow Rate – Up to 308.33lpm

Max Pressure – 8 bar

Outlet Sizes – 1½" to 2½"

Max Viscosity – 30,000 cSt

Solids Size – Up to 65mm

Roller Type – Lower energy consumption and start up torque



RBT.

Flow Rate – Up to 600lpm

Max Pressure – 15 bar

Outlet Sizes – 1" to 4"

Max Viscosity – 30,000 cSt

Solids Size – Up to 100mm

Shoe Type – For efficiency in high pressure applications

OPTIONS.

Motor – Electric (230-400v, 50/60hz), Fixed and variable speed drive

Connections – BSP, Tri-Clamp, DIN 11851, SMS, NPT, PP, PVDF, AISI316

Inner Hose – Natural Rubber, NBR, EPDM, Norprene, Tygon, Hypalon

Approvals –



ACCESSORIES AVAILABLE

- ✓ **Inline Pulsation Dampener** – Limits vibrations for a quieter, smoother flow for accurate flow meter & pressure switch use.
- ✓ **Hose Leakage Sensor** – Shuts off the pump or activates an alarm, ideal for unmanned pumps.
- ✓ **Halar (ECTFE) Coating** – Improves the corrosion resistance of the pump in chemical & hazardous areas.
- ✓ **Control Panel** – On/off, speed control, reversing switch, flow/pressure display & leak warning.
- ✓ **Trolley** – For enhanced mobility to move around site.

- ✓ **Inverter Controlled** – Speed can be varied to actual needs rather than run at full capacity, extending motor life and reducing energy costs.
- ✓ **Batch System** – Allows a predefined quantity of fluid to be input, and then stops the pump once the pre-set amount has been dosed.
- ✓ **Vacuum Assisted Priming** – Improves the self-priming capabilities in particularly difficult suction conditions.
- ✓ **Feed Screw and Hopper** – For highly viscous fluids that don't flow with ease and are prone to breakages.