

TCS 'V' Vane pump range.

TCS Micropumps manufacture a single 'off the shelf' vane pump but this is just one pump in a range of vane pumps that have been developed by the company.

Capabilities and Key Features

High flow and pressure capability

Smooth, almost pulseless flow

Self-priming

When used in combination with TCS's EQi controller they are able to deliver high and consistent flow rates against high, low or changing back pressure.



Working Principle

Rotary vane pumps are positive displacement and have multiple sliding vanes, mounted within slots in a rotor. The rotor is fixed off-centre, causing the vanes to slide in and out as the rotor turns. The volume between vanes expands at the inlet and reduces near the outlet, creating a pumping action.

