

## **Hydra-Cell Metering Pumps Hold all the Aces**

There are only two common pump types that purport to guarantee a fixed delivery volume over time and against varying back pressures... reciprocating diaphragm pumps and plunger pumps.

Traditional diaphragm pumps guarantee the volume but deliver it with high pulsation while plunger pumps offer a smoother flow but suffer seal wear that causes leaks and impairs volumetric accuracy over time.

Unique Hydra-Cell pumps offer the benefits of each type without the drawbacks. Having multiple diaphragms in a single pump head guarantees the volumetric accuracy of a conventional metering pump but with very low pulsation, removing the need for pulsation dampeners in many instances.

Hydra-Cell pumps are also more economical than traditional diaphragm metering pumps, in terms of acquisition, spare parts and energy costs. At a given flow and pressure, a traditional diaphragm pump with a 15kW motor can usually be replaced with a Hydra-Cell® metering pump with a 5kW motor. Having a compact footprint, a Hydra-Cell will also free up valuable real estate, so critical in many applications.

Unlike plunger pumps, Hydra-Cells have no dynamic seals and offer 100% containment of the pumped liquid. They have no seals through which hazardous fluids might escape or through which air could enter the system on the suction stroke to cause degradation or crystallisation of the pumped liquid.

Meeting or exceeding the performance requirements of API 675 and available with ATEX approval, Hydra-Cell pumps are fast becoming the pump of choice for metering and dosing.

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**Note:**

Wanner is the world's leading manufacturer of seal-less, high-pressure, diaphragm pumps. These Hydra-Cell pumps are highly efficient, heavy duty pumps used for liquid transfer, metering, injection, spraying and dosing of the widest range of liquids including chemicals, solvents, acids, hydrocarbons, natural gas liquids, alkalis, polymers, aqueous ammonia, resins, slurries, wettable powders recycled or dirty liquids etc.

Hydra-Cell positive displacement, unique multi-diaphragm, seal-less pumps can handle corrosive, non-lubricating and abrasive liquids and slurries and can even run dry without suffering damage.

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