

News from Wanner

Mechanical Speed Adjustment for Hydra-Cell Metering Pumps

Wanner International has introduced a range of mechanical speed variators for manually adjusting the rotational speeds and output flows of its Hydra-Cell metering pumps. These pumps are used in oil and gas production for injecting chemicals such as acids and bases, amine gas sweeteners, oxygen scavengers, polymers and proprietary chemicals into process streams.

Because Hydra-Cell pumps are true positive displacement pumps, flow rate is directly proportionate to input shaft rpm and virtually independent of system discharge pressures. Very precise and repeatable, infinite adjustment of shaft speed is achieved from almost zero rpm, through a simple manual adjust hand wheel. It transmits its highest torque from speed zero, is adjustable in operation and at rest and exhibits linear setting characteristics.

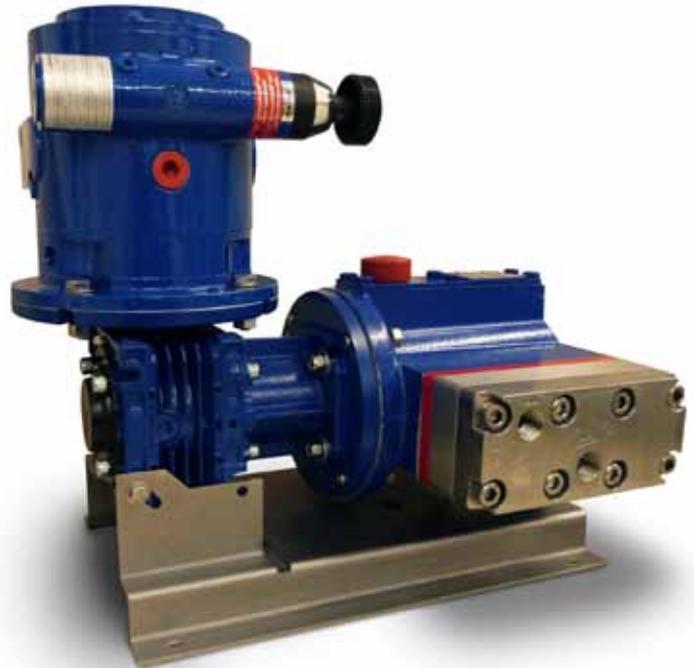
The Wanner mechanical speed variator is ideal for use in explosive environments and is ATEX certified for zones 1 and 21, completely removing the need for complex and costly external ATEX control.

Unlike friction type variators, the Wanner mechanical speed variator operates on the elasto-hydrodynamic principle, producing output torque by means of a traction fluid. This removes the possibility of mechanical slippage between input and output.

Long life, high reliability Wanner mechanical speed variators are available for all Hydra-Cell Metering pump from P200 to P600 and compatible motors are also offered.

Further information from:

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