News from Wanner

Intelligent High Pressure Coolant Pump Generates Cost Savings

Wanner International has introduced the Hydra-Cell Intelligent High Pressure Coolant Pump that it claims can save machine tool operators up to 70% of their pump energy costs.

In through-tool coolant systems, each cutting tool requires a different coolant flow in order to achieve its optimum pre-set pressure. Conventional high pressure coolant pumps tend to be sized to meet the requirements of the largest cutting tool and continue to produce that fixed flow rate whatever the tool size in question.

For smaller tools or during tool change intervals, these pumps merely bypass all or excess cutting fluid back to the sump, wasting energy. This wasted energy is dissipated as heat, warming the coolant itself, necessitating and the use of chillers in many instances.

The Hydra-Cell Intelligent Pump succeeds by delivering the right amount of coolant for each tool in the carousel… automatically. No energy wasting coolant bypass is necessary. Further savings tocan also be made in terms of chiller costs and chiller energy consumption.

Installation is simple, requiring no complex valve assemblies or pressure feed-back loops; merely a power source and simple M-code on / off instructions.

Seal-less by design and run-dry protected, Hydra-Cell Intelligent Pumps handle abrasive fines and particles with ease, removing the need for fine filtration. They are equally efficient in pumping neat oils and water-mix fluids and excel when pumping the non-lubricating grinding fluids that cause damage to pumps with dynamic seals and tight internal tolerances.

WANNER Hydra-Cell® Seal-less Pump Technology

Further information from:

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