

LPV Direct Displacement Variable Pump

Sauer-Danfoss offers a new direct displacement control (DDC) pump that will reduce installation time, increase overall machine life, add extra flexibility to the vehicle design process, and help lower noise levels. A key feature is the pump's built-in neutral return mechanism (NRM). The NRM is placed inside the pump requiring a minimized installation effort, relative to a solution with external linkages and springs, saving the OEM design time, space, and assembly time. Because the return mechanism is located inside the pump, protected and always lubricated, end users will experience more consistent machine operation and longer service intervals. Being inside the pump housing, the mechanism is protected from environmental issues, such as water and debris, that have traditionally plagued external neutral mechanisms. The pump is the industry's only DDC solution offering three displacements in one housing (25, 30, and 35 cc/rev).

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