

Presents



## Digital Displacement® Pump



THE MOBILE SYSTEMS INTEGRATION EXPERTS

MARCH 2022

### Kraft Fluid Systems presents Danfoss Digital Displacement® Pump

Replacing a standard pump with a single or multiple outlet 96cc Digital Displacement® Pump (DDP) can dramatically increase the productivity of hydraulic machinery, enhancing control, and reducing energy consumption. Customers can profit from reduced power consumption with the potential to downsize engines or battery packs. Whichever route is taken, DDP can deliver benefits today, tomorrow, and long into the future.

DDP technology utilizes a radial design using ultra-fast mechatronic valves controlled by a dedicated DPC12 controller. The output from each of 12 pistons is controlled individually, making the pump displacement electronically variable resulting in fast, accurate flow control. By using only as many pistons as required to meet the demand, the DDP096 maintains high efficiency across a very wide operating range making it the most efficient, high-power, variable displacement open circuit pump.

*“The DDP is a revolutionary new pump design with individual piston control providing superior efficiency and noise reduction. Its fast response and control flexibility is a game changer for the industry.”*

*-Paul Skrant, Kraft Engineering Manager Mobile Hydraulics.*

### DDP Features

- Single or Multiple Outlet Ports to feed multiple circuits
- Displacement, Pressure Compensation, or Load Sense Control adjusted over CAN J1939
- Electronically set limits for flow, torque, power, and pressure
- Extremely quiet
- Highly efficient especially when compensated equals less heat in hydraulics and lower wasted energy
- Quick delivery with fast prototype to production

### DDP Applications

- High power consuming machines
- Machines with complex motion
- Machines with large cylinders
- Machines needing fast response
- Industrial HPU's with pressure compensated pumps

To learn more, call us at (800) 257-1155 or send an email to [contact@kraftfluid.com](mailto:contact@kraftfluid.com).