



MITA
OLEODINAMICA S.p.A.

Hydraulic Company of 

MITA POWER SAVING SYSTEM

EFFICIENCY IMPROVING OPTION FOR MECHANICAL AND ELECTRONIC SYSTEMS

MITA takes part into the sustainability challenge, developing a Load Sensing solution for its complete mechanical and electronic systems.

The solution, providing full functionality when paired with a variable displacement pump, allows the system to deliver only the required quantity of oil maintaining a constant Δp value, thus dramatically reducing energy consumption, especially during idle or low load working phases.



Mechanical load sensing HPL Main Control Valve



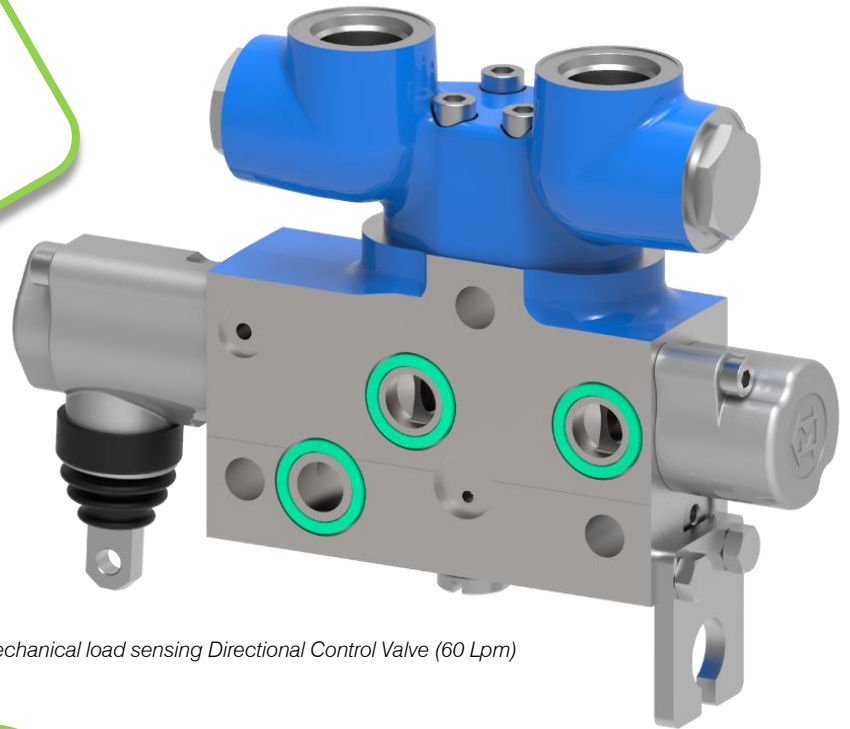
Electronic load sensing HPL Main Control Valve

MITA POWER SAVING SYSTEM



The solution consists in HPL Main Control Valves and Directional Control Valves, in both mechanical and electronic versions. It remarkably reduces pressure drops (up to -80%) and keeps the temperature of transmission oil low during idle phases. Moreover, it provides a refined spool metering and allows the HPL and DCVs to be used simultaneously.

**FINE SPOOL
METERING
FOR DCVs**



Mechanical load sensing Directional Control Valve (60 Lpm)

**SIMULTANEOUS USE
OF HPL AND DCVs**



Electronic load sensing Directional Control Valve (100 Lpm)