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ENGINEERING YOUR SUCCESS.

Saving energy has never been as profitable!

Take a firm grip on cost with the M-Series load sensing valves

Energy conservation has never been as important as it is today – and it is far from just an environmental issue. The cost of energy is rising rapidly, with adverse effects that are especially obvious for operators of heavy duty machines – where energy consumption can amount to up to **70 per cent of the total life cycle cost**. Improving machine efficiency can be costly, but with Parker's new heavy duty M-series

load sensing valves, saving energy has never been as profitable. A very robust design provides the ultimate in reliability with easy servicing, while the compact and highly integrated design minimizes installation cost. Energy savings with the M-series valves used with a variable hydraulic pump (compared to a conventional system) can amount to **up to 20 per cent**, which usually results in a **pay-back time of**

less than one year – a substantial profit over the life cycle of the machine. Add to that increased productivity thanks to greatly improved manoeuvrability, and you have a clear win-win situation: The machine builder gains competitive strength and cuts assembly costs, while the machine owner saves money – while simultaneously reducing the impact on the environment!

Ideal M-series applications:

- Large wheel loaders
- Fork lift trucks
- Reach stackers
- Mine loaders
- Crushers
- Concrete pumps

▼ Extreme sealing

The M-series valves utilize seat valves in all ports, which prevents unintentional load sinking.



M200LS



M250LS



M402LS

▲ The expandable option

The M250LS is a monoblock design that can have up to four auxiliary sections added, which reduces space requirements, cuts down on piping and simplifies installation greatly – significantly cutting costs.

▼ Custom spools – a standard Parker feature

There is a vast range of standard spools to choose from, but our experienced application engineers are always ready to adapt the spools for your specific needs – a service that is always included.



▲ Built with you in mind

The compact M-series was designed to make life easier for everyone involved – the machine manufacturer, the owner, the operator and the service mechanics. The result is an extremely capable, robust and economical series of valves with unmatched performance for a wide range of heavy duty applications.



Save money and CO₂ – a win-win situation

Compared to an open centre system, a variable pump and an M-series load sensing valve can reduce fuel bills by as much as 20 per cent. With diesel fuel over one euro per litre and a typical wheel loader running 3,000 hours a year, annual savings can amount to 15,000 euros – which means the extra cost of the load sensing system will be paid back in less than one year. Added productivity as a result of easier manoeuvring will shorten the pay-back time even further.



▲ Built to take it

The M-series have been specially designed for reliable heavy duty operation in demanding conditions. They are insensitive to thermal shocks and have excellent protection against pressure peaks and cavitation, ensuring a long, trouble-free service life.