The power to design, engineer and build – without compromise.

Eaton® CLS Load Sense Sectional Mobile Valve
CLS 100, CLS 180, CLS 250, CLS 350
The machine design process is full of sacrifices and trade-offs. It’s one or the other. This, but not that. You settle because you have to. But what if instead of either/or, you could have all of the above?

Introducing

a conventional mobile valve that enables you to have it all. And have it exactly the way you want.

The Eaton CLS Load Sense Sectional Mobile Valve is changing the way you design, engineer and build machines for the better. As part of our advanced class of Pro-FX Ready™ products that provide a faster path to smarter machines, CLS brings together market-leading functionality and a broad range of configuration options – empowering you to do what you do best. Without compromise.
Productivity. Without compromise.

Other mobile valves are either pre-compensated or post-compensated. Both of which negatively impact productivity when the system reaches pump saturation. With Eaton’s priority flow sharing capability*, you can put pre- and post-comp sections together in one valve assembly – so customers can prioritize a work function in the event of a saturated condition. They’ll be able to keep hauling, loading, drilling and moving without compromise.

*Priority flow sharing available in the CLS 100 only. All other models are post-compensated.

Performance. Without compromise.

The continuous bleed-off found in most systems wastes energy. CLS has patented functionality that eliminates constant bleed-off, improving machine responsiveness and delivering bigger energy savings. Helping drive operator production and confidence without compromise

Efficiency. Without compromise.

Instead of traditional work port relief, CLS has local load sense relief on each section, providing a higher flow rate for simultaneous movements. The result? You can downsize your pump to help customers optimize energy usage and cost savings without compromise.

Design flexibility. Without compromise.

CLS offers a wide range of configuration options, giving you the freedom to design a valve that meets the exact requirements of your machine.

- **Four frame sizes** – with flow rates of 100, 180, 250 and 350 liters per minute (LPM)
- **Compact, modular design** – valve banks with up to 10 sections take up minimal space in your machine envelope
- **Range of actuation options** – including manual, pneumatic, hydraulic, electrohydraulic and manual override levers
- **Open and closed center options** – depending on your application requirement, Eaton offers an inlet compensator for fixed displacement systems or the standard closed-center configuration
- **Electronics capable** – integrates with Eaton’s Pro-FX® Technology Platform for customers that require advanced control capabilities

Ideal for a variety of industries and applications:

**Industries**
- Construction
- Agriculture
- Vocational trucks
- Material handling
- Forestry
- Oil & gas
- Marine
- Specialty mobile equipment

**Applications**
- Wheel loaders
- Excavators
- Motor graders
- Refuse trucks
- Truck-mounted cranes
- Fire trucks
- Power generation vehicles
- Telehandlers
- All-terrain cranes
- Agricultural tractors
- and more

To learn more about how CLS can help you build without compromise, visit [eaton.com/CLS](http://eaton.com/CLS) or contact your local distributor.
Local service and support
where and when you need it

Our growing network of Eaton-certified distribution partners is trained to help with everything from specifying to prototyping and assembly to commissioning. You can count on them for end-to-end application support that helps simplify the design process and speed time to market.

» Visit [eaton.com/locatedistributor](http://eaton.com/locatedistributor) to find an Eaton-certified distributor near you.

Pro-FX Ready™

Eaton’s advanced class of Pro-FX Ready products enables manufacturers to design and deliver smarter machines that intelligently adapt and dynamically respond to changing demands and conditions – so your customers can optimize performance and maximize productivity while enhancing operator safety. It’s not just better machine control, it’s Dynamic Machine Control. Empowered by Eaton.

» To find out more about how Pro-FX Ready products enable Dynamic Machine Control, visit [eaton.com/DMC](http://eaton.com/DMC).