

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

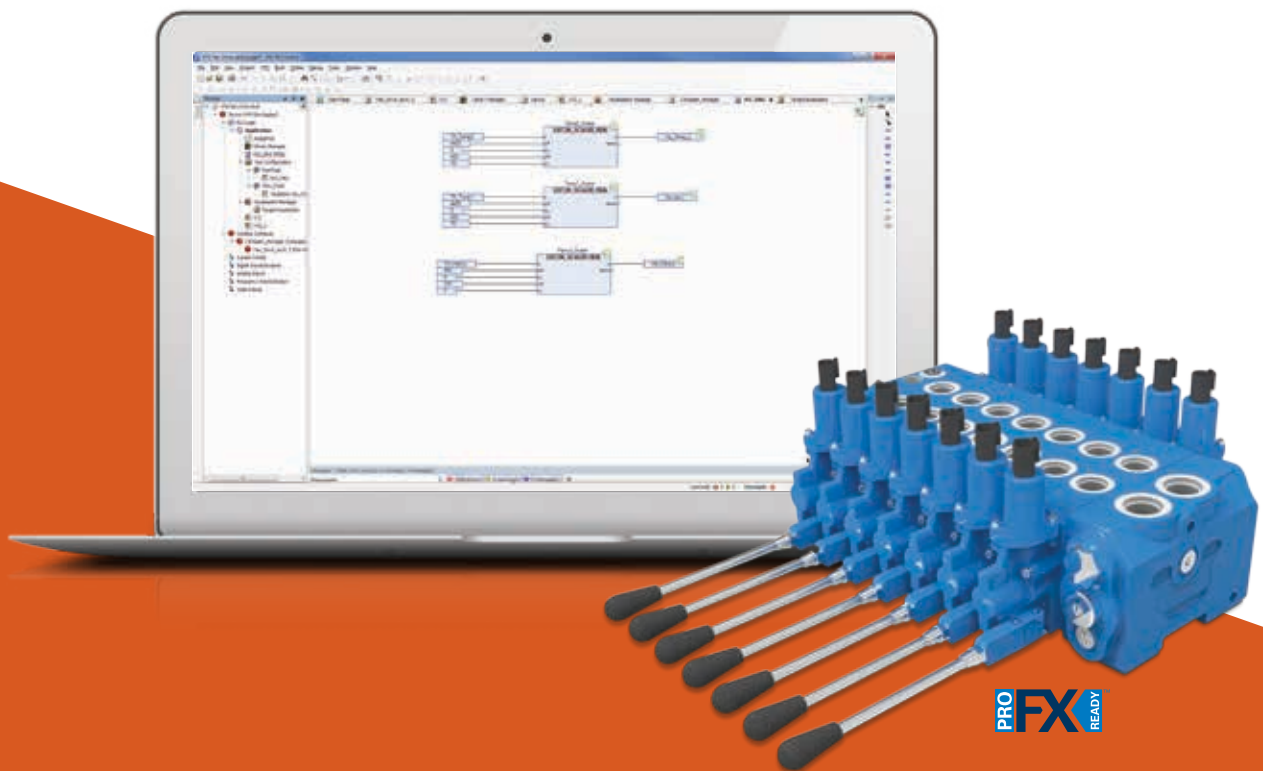
Eaton® CLS Load Sense Sectional Mobile Valve  
CLS 100, CLS 180, CLS 250, CLS 350

**EATON**

*Powering Business Worldwide*

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](https://www.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).



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