



Experience dynamic  
performance.  
Realize differentiating  
possibilities.

Eaton® CMA Advanced Mobile Valve  
with Independent Metering  
CMA 90, CMA 200



**EATON**

*Powering Business Worldwide*

To satisfy demands for better performance and productivity, manufacturers must deliver mobile machines that aren't just different – they're distinctive. Machines that continuously adapt and dynamically respond to ever-changing demands and conditions.

## Introducing an electrohydraulic mobile valve that's challenging the limits of what's possible.



The **Eaton CMA Advanced Mobile Valve with Independent Metering** is redefining what mobile machines can do – and the improvements they enable end users to achieve. As part of our advanced class of Pro-FX Ready™ products that provide a faster path to smarter machines, CMA provides more flexible configuration, more immediate communication and more precise control than ever before.

# Dramatically simplifying machine design and setup

With on-board electronics and sophisticated software, CMA streamlines the design process and takes setup from months to minutes – helping manufacturers reduce costs and speed time to market.

## ➔ Pre-built software libraries

Using Eaton's Pro-FX® Technology Platform, common application functions can be enabled right on the valve, reducing development time

## ➔ Software tuning

Engineers can test and optimize performance parameters on a laptop instead of by hand, driving tuning time down to just seconds or minutes

## ➔ Easy controls integration

CMA easily integrates with other Pro-FX Ready products such as Eaton's VFX® displays and HFX® controllers for a best-in-class solution

## ➔ Integrated sensors and software logic

On-board components eliminate the need to purchase and integrate external sensors and switches

# Significantly improving machine performance and operator productivity

Conventional constraints are no longer part of the conversation. With unique architecture and an impressive list of intelligent features, CMA enables better stability, better controllability and better fuel efficiency – so end users can get the job done safely and effectively.

## ➔ Independent metering

Each spool controls its own work port, ensuring consistent speed and control under all load conditions

## ➔ Advanced control algorithms

CMA can optimize for conditions such as oscillation and vibration, improving control and reducing risk

## ➔ Real-time diagnostics

On-board sensors provide integrated diagnostics information and accurate tuning capabilities, helping drive greater reliability and productivity

## ➔ Repeatable, reliable performance

CMA offers high performance with sub-micron hysteresis, closed-loop spool position control and repeatable performance

Ideal for a variety of industries and applications:

### Industries

- Construction
- Agriculture
- Mining
- Forestry
- Oil & gas
- Marine
- Specialty mobile equipment

### Applications

- Concrete pump trucks
- Refuse trucks
- Telehandlers
- All-terrain cranes
- Utility trucks
- Grapples
- Aerial lifts
- Drill rigs
- Excavators
- Roof bolters
- Snow groomers
- Paving machines
- Reach stackers
- and more



To learn more about how CMA can help you experience performance and productivity on a whole new level, visit [eaton.com/CMA](https://eaton.com/CMA) 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)**.



Powering Business Worldwide

**Eaton**  
Hydraulics Group USA  
14615 Lone Oak Road  
Eden Prairie, MN 55344  
USA  
Tel: 952-937-9800  
Fax: 952-294-7722  
[www.eaton.com/hydraulics](http://www.eaton.com/hydraulics)

**Eaton**  
Hydraulics Group Europe  
Route de la Longeraie 7  
1110 Morges  
Switzerland  
Tel: +41 (0) 21 811 4600  
Fax: +41 (0) 21 811 4601

**Eaton**  
Hydraulics Group Asia Pacific  
Eaton Building  
4th Floor, No. 3 Lane 280 Linhong Rd.  
Changning District  
Shanghai 200335  
China  
Tel: (+86 21) 5200 0099  
Fax: (+86 21) 5200 0400

© 2016 Eaton  
All Rights Reserved  
Printed in USA  
Document E-VLVM-BB002-E  
Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Follow us on social media to get the latest product and support information.

