

1. CONCEPT

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CMV(A) OEM Top New Product Award 2024 - Fluid Power Category!

THE MOST VERSATILE AND FLEXIBLE **COMPACT MOBILE VALVE SYSTEM** CURRENTLY AVAILABLE IN THE MOBILE MARKETPLACE.

DESIGN OF THE MODULES:

- Several sections/functions combined in one module as a monobloc or
- single module sections.
- Preferred execution in aluminium, steel is also possible.

FUNCTION OF THE MODULES:

- Inlet modules
- Control modules
- End control modules
- Connection modules
- End module
- Unique modules

SOLUTIONS CAN BE BUILT ON:

- Pure sectional modules
- Monoblocs with additional sectional modules
- Monoblocs unique

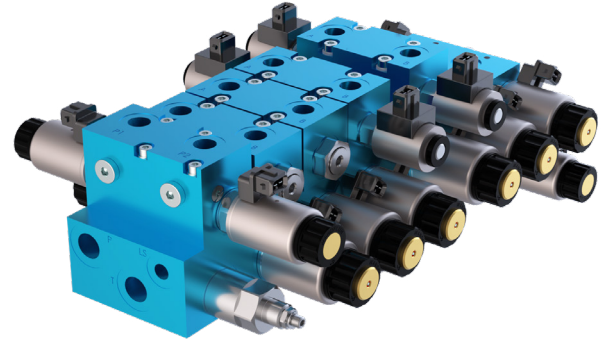
DESCRIPTION

With the new Compact Mobile Valve System in lightweight design, Wandfluh provides OEM's of mobile machinery with weight-optimised, user-friendly, and future-proof solutions.

With a strong focus on defined electro-hydraulic functions and specific application requirements, we have developed new products and have adapted existing products in a targeted manner. Based on the extensive functionalities of the CMV(A), we offer solutions to the highly individual requirements and wishes of manufacturers of mobile machinery.

Clever, innovative solutions are jointly designed to help OEM customers to optimise their machines in terms of weight and installation space, energy efficiency and increased functionality.

All of the above is, of course, based on proven Wandfluh Hydraulics + Electronics, which are renowned for their reliability and quality.



CMV(A) ADVANTAGES → YOUR BENEFITS:

- **Clever modular concept**
→ increased flexibility to respond to changing customer requirements.
- **High performance and reliability**
→ ensures precise control and efficiency.
- **Compact and easy adaptable size**
→ perfect for space-constrained mobile equipment.
- **Lightweight and flexible design**
→ reduces weight without compromising strength.
- **Product availability and support**
→ accelerating your time-to-market.

TOP NEW PRODUCT AWARD 2024

Our CMV(A) Compact Mobile Valve (Aluminium) system has been recognised with the Top New Product Award 2024 by OEM Off-Highway in the Fluid Power category!



1. CONCEPT

The **Compact Mobile Valve System** is based on two key principles: single-section modules, which offer a streamlined approach with one section performing a single function; and monobloc modules, which integrate multiple functional sections into a single unit.

The functions of the different modules, whether single-sections or monoblocs, can be allocated to inlet modules, control modules, end control modules, connection modules, end modules and unique modules.

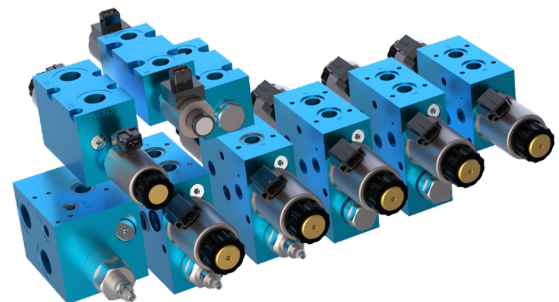
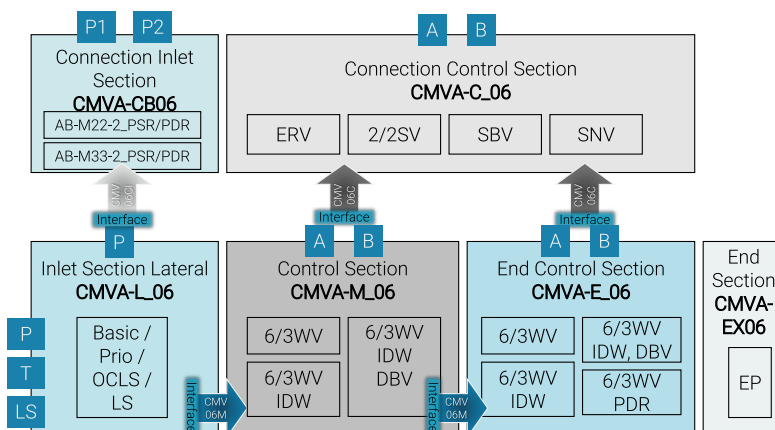
Solutions based on pure sectional modules have the advantage of being fast available and can be the best solution for small quantities. Furthermore, they can be a very suitable option for functional proof of concept approaches.

Monobloc solutions are the optimal choice for serial, high-volume machines. The monoblocs build on the following valves: slip-in-cartridge valves in cavities PS-04, PS-06, PS-08 and PS-12; flange valves in NG3, NG4, NG6 and NG10; screw-in valves in PU-06, PU-08, PU-12/16; and parts-in-body elements.

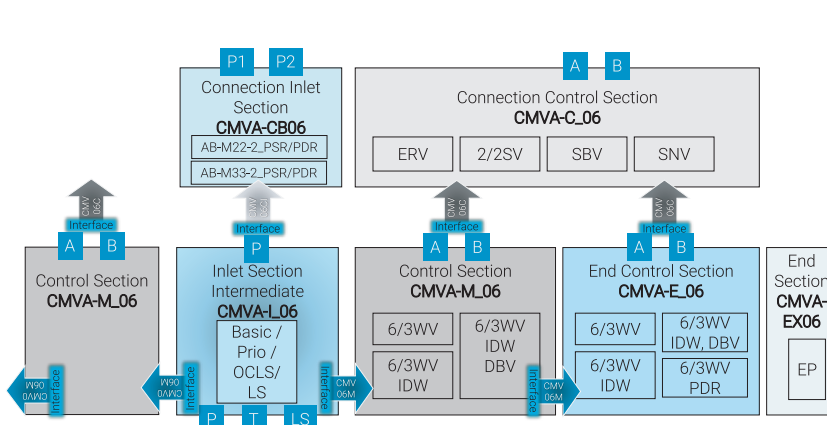
Combinations between monoblocs and sectional modules are the most frequent chosen solution approach. Many mobile applications have basic equipment which has to be complemented with different options. For these options they need clearly defined interfaces and sectional functional modules.

For the inlet modules, in monobloc or single sectional design, we have lateral and intermediate modules. Regarding the intermediate modules, we can provide solutions in both directions for the inlet module, and for the lateral inlet modules, solutions in one direction are available.

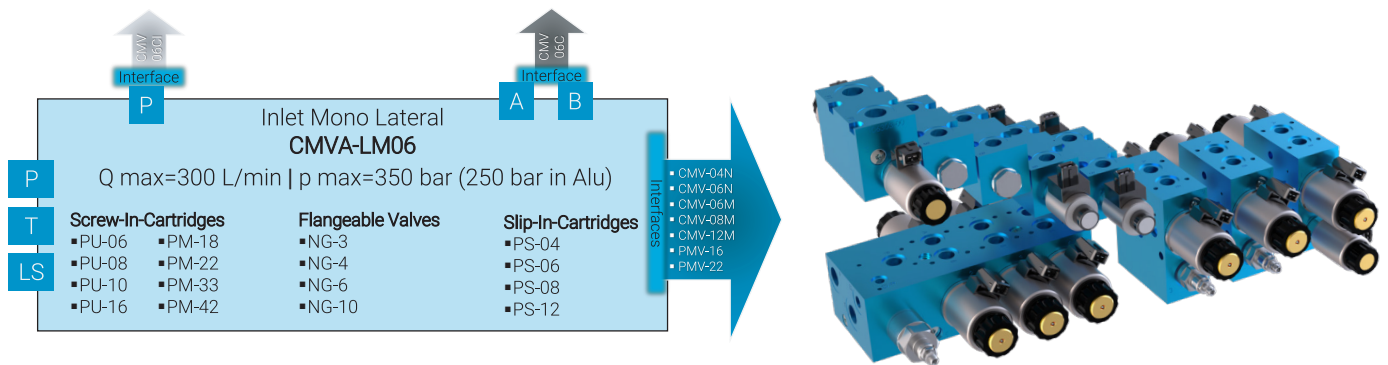
1.1 CMV CONCEPT WITH INLET SECTION LATERAL



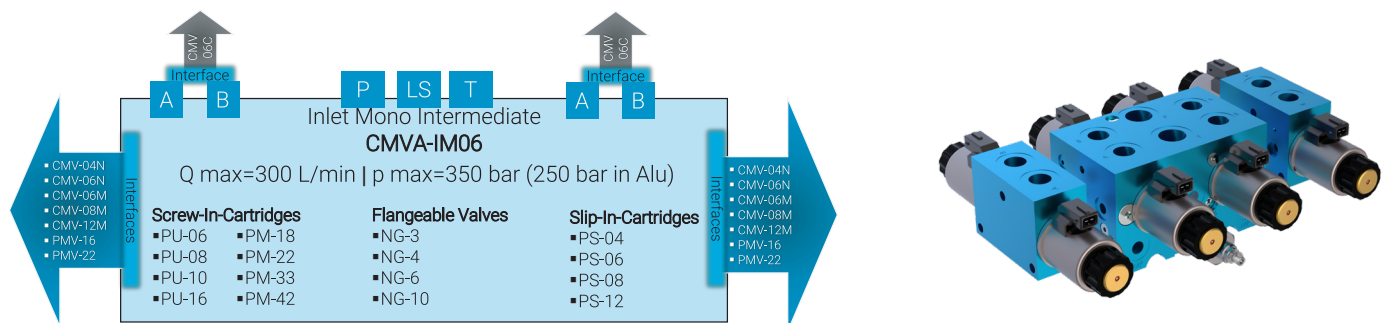
1.2 CMV CONCEPT WITH INLET SECTION INTERMEDIATE



1.3 CMV CONCEPT WITH INLET MONO LATERAL



1.4 CMV CONCEPT WITH INLET MONO INTERMEDIATE



1.5 CMV CONCEPT WITH INLET MONO UNIQUE

