



# HYDROCONTROL SMART

## Electro-hydraulic unit

**HydroControl Smart** is an extremely compact, lightweight and robust electro-hydraulic unit concept in development that combines versions with or without accumulator using one unified design. Designed for the demanding operating conditions of modern public transportation systems, it is suited to a wide range of vehicle types. Its high power density, modular extendable system layout, and standardized interfaces make it a perfect choice for hydraulic railway brake systems.



### Customer benefits

- Compact electro-hydraulic supply and control unit
- Various functionalities available in one basic design
- Simplified and standardized interface
- Reduced carbon footprint
  - Sustainable surface protection
  - Reduced oil needed



### Applications

- Light rail vehicles
- Metros
- Monorails
- People movers



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## Architecture / Interfaces

- Modular extendable system features
- Simplified and standardized design
- Unified electrical, mechanical and hydraulic interfaces for different brake applications
- Wheel Slide Protection capable with accumulator

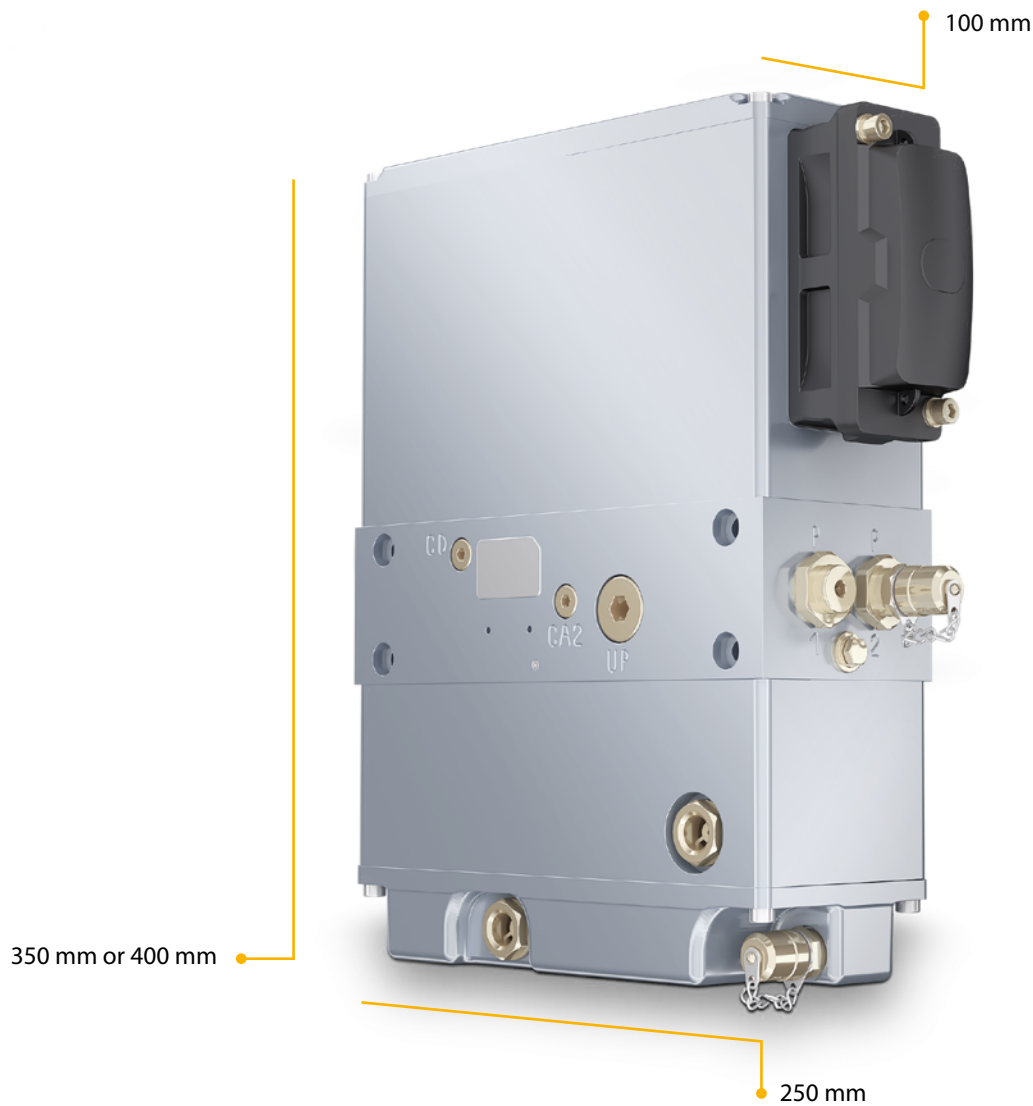


## Performance

- Significant size reduction compared to existing EHU-design
- Significant weight reduction
- High power density
- Reduction of oil volume by up to 15%



## HydroControl Smart – Size



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