

HydroElite fl² VENI & VIDİ

The modernisation solution for hydraulic lifts

HydroElite H2 VENI and VIDİ are drive and control systems for hydraulic lifts that simplify achieving an energy-efficient and sustainable modernisation. The systems are equipped with a unique servo valve that provides increased capacity and improved ride comfort.

All units are pre-wired and factory-tested for fast installation and commissioning. They offer direct-to-floor approach without creeping. No manual adjustments are required and the valve accuracy increases for each trip.

VENI

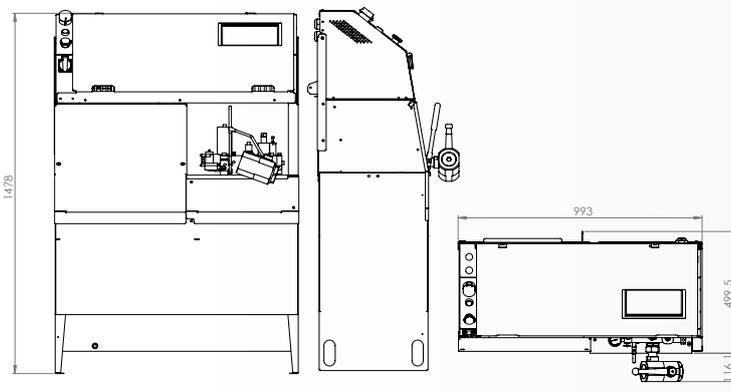
Up to 50% lower energy consumption*
| oil-immersed motor

VIDİ

Up to 70% lower energy consumption
& 70% lower power demand*
| air-cooled motor



Standard measurements | VENI 160L & VIDİ 140L



HydroElite fl² - One for All: Same user interface for HydroElite and TractionElite



Sustainable lift
Modernisation of hydraulic lifts



Superior installation
Reduced installation time



10" touch display
Simple navigation and clear overview



CANopen Lift
Flexibility and less cables



HydroCloud connection
Surveillance, access and updates with cloud connection

ff² - What sets it apart



Energy

- Up to 70 % energy savings**
- Up to 70 % lower power demand**
- Reduce environmental impact by 50 % through modernisation



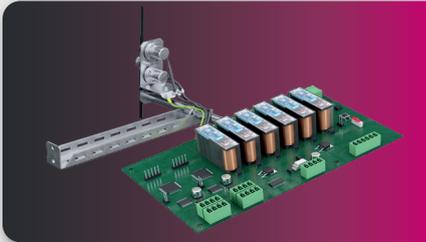
Features

- Direct approach to floor
- Shorter travel time
- Increased travel capacity
- Pre-tested in testing facility
- Rarely the need for an oil cooler



Technology

- Patented servo valve
- No bypass of oil
- Self learning & self adjusting
- Submerged motor & soft starter - VENI
- Air cooled motor with inverter - VIDİ



PSU ff² DILIGENS

A safe absolute positioning system with UCM and overspeed tripping functions. Activates electrical safety gears and **replaces all safety-relevant limit switches and floor sensors.**

- SIL3 compliant and certified according to EN81-20/50 PESSRAL
- Certified for low top and low pit
- Replaces mechanical props for low pit/top in combination with electrical safety gears



10" touch display and accessibility

The control unit is fitted with a 10-inch high resolution touch display. Among other features, the user will be able to find documentation, schematics, historical data and error logs directly in the display. Furthermore, there are instruction movies and language options available. The lift controller is accessible from any smart device and enables the user to connect to the controller from anywhere in the lift shaft.



Surveillance, access and updates with cloud connection

All units come with HydroCloud readiness. Thanks to the HydroCloud connection, the unit can be accessed from anywhere. The unit can be updated remotely, and documentation will always be up to date. The system is open and can be adapted to work with other monitoring systems on the market.



Pit and car node - improved

Our new innovative pit node is installed in the shaft pit (place anywhere below floor node 1) cuts down the number of wires that run between shaft and machine room. A new version of the pit node is available for machine rooms on-top, with a connectable cable, allowing for a smoother and faster installation. The improved car node allows for a neater and more professional looking installation.



Installation - fast and simple

- CANopen Lift technology
- No floor zone sensors needed
- No limit switches needed
- Less cables and hardware
- Innovative pit box
- Simple commissioning
- SIL3 certified - Position Supervisor Unit



10" touch display

- Easy to navigate
- Language options
- Instruction movies in display
- Training sessions simplified
- Integrated diagnostic tool
- Real time and historical data
- Safety circuit overview
- Full accountability



Stay connected - HydroCloud

- HydroCloud connection
- Always updated documentation
- Remote software updates
- Remote monitoring
- Access from anywhere
- Live internal drawings
- Better planning of maintenance
- Constantly evolving IoT

Read more!



** Based on HydroElite VIDİ compared to conventional systems. VENI can give up to 50 % lower energy consumption and up to 40 % lower power demand, compared to conventional systems.

Version 2.0 (02.2026)

Please be advised that the illustrations may deviate slightly from the originals, and the information provided is subject to potential revisions.