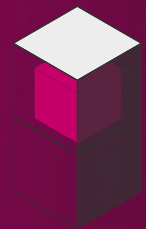


# Complete lift solutions

## Flexible and reliable

Design and engineering



# We don't believe in NO

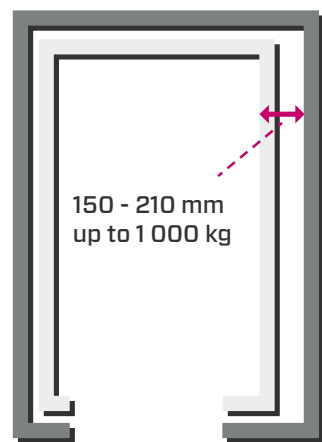
Flexibility through design and engineering

## One Stop Shop

One point of contact - reliable and efficient. We are a complete supplier for everything needed for a lift installation. Regardless of lift type, traction or hydraulic, we are standing ready to deliver every component needed for a complete lift solution. Simply put, a *One Stop Shop*.

## Complexity is our standard

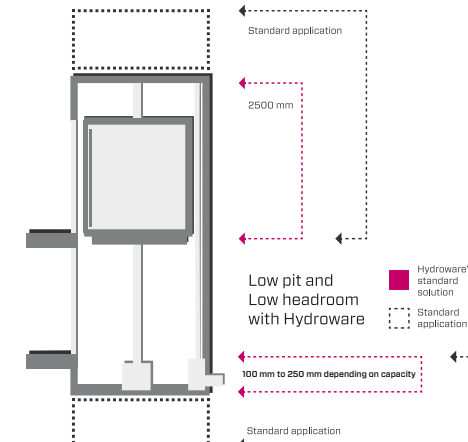
Our standard solutions are well suited for complex situations. Low pit, narrow shaft, heavy load and other complex requirements are all part of our standard offering. What might be special for some, is standard for us and thus, we can act quickly even when a project is providing difficult circumstances.



### Narrow Shaft

Faced with a tight space to fit the lift into? We provide space efficient solutions that allow for a minimal distance of down to 150 mm, from internal cabin wall to the shaft wall, while still providing a lift capacity of up to 630 kg. When the lift has a capacity of up to 1 000 kg, the distance between cabin wall and shaft wall can be as low as 210 mm.

Hydroware standard



### Existing buildings

Our standard solutions, according to EN 81-21, allow you to minimise the space occupied by the pit and headroom. Don't waste space where it is not necessary. Our innovative solutions allow for a minimal distance of down to 100 mm for the pit and 2 500 mm for headroom\*. That is hard to beat.

\* Pit and headroom requirements are dependent on the load specification.

Hydroware standard



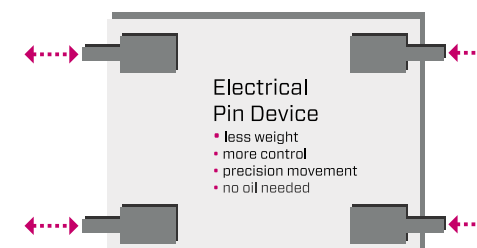
### Minimal pit dimensions EN 81-21

Load, up to	Minimum pit	Standard
1600 kg	160 mm	EN 81-21
1000 kg	120 mm	EN 81-21
630 kg	100 mm	EN 81-21

### Maximise load - Minimise Pit

With our standard solutions, you can optimise the pay load while still minimising the pit depth. Depending on pay load and standard, it's possible to keep the pit as low as 100 mm.

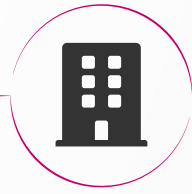
Hydroware standard



### Precision with Electrical PIN Device

Eliminating the need of oil for the PIN device while at the same time increasing precision, control and lowering the weight. Our innovative electrical PIN device makes this a reality.

Hydroware standard



# Our programmes

We have designated programmes for different circumstances. Thus, we can act with **short response times** and offer a reliable solution. No matter if you are faced with a rough environment, heavy-loads or narrow shafts, we will provide a suitable solution. All in record time.



## MIGRO

Narrow spaces

**MIGRO** is our passenger lift programme for narrow spaces. The design is made to make the most space efficient solution possible, meeting modern standards and accessible requirements without sacrificing quality or performance.

With our design centre, we are flexible and can customise a solution for each case including tailored shaft solutions. It enables us to handle any residential building, private home or other project in need of a new lift or replacement of an existing lift where space is critical.

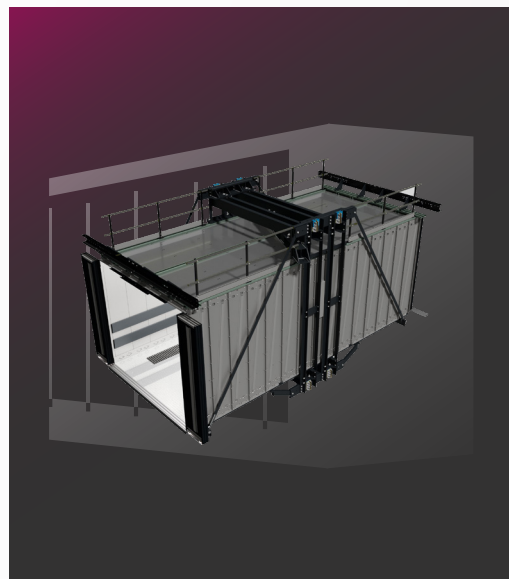
The compact design makes it perfect for replacement of any outdated malfunctioning existing lift without high cost adaption of existing shaft, or for installation of a new lift in an existing building.

Cabin interior can be customised. For doors we can deliver both bus doors combined with hinged doors or fully automatic doors.

**MIGRO** exists as 2:1 indirect solution and max speed is 0,63 m/s.



Scan  
Information and dimensions



## FORTIS CAR & CARGO

Car and heavy duty

**FORTIS** is our car and freight lift programme. Material choices and design are based on lifts suitable for heavy duty application requiring the highest availability.

With our own design department, we are flexible and can customise a solution for each case. It also enables us to handle any parking garage, department store, private home, workshop or industrial project in the most cost-efficient, sustainable and user-friendly manner possible.

**FORTIS** lifts are equipped with heavy duty doors from recognised suppliers.



Scan  
Information and dimensions

### Standard design

- Floor – checker plate stainless steel AISI304
- Walls – stainless steel AISI304 or painted
- Bumper rails – in selected material
- Gutter system
- LED-Lighting



## ELEVANS

Passenger lift

**ELEVANS** is our passenger lift programme. The design is made to make the most space efficient and flexible solution possible, meeting modern standards and accessible requirements without sacrificing quality or performance.

**ELEVANS** is a complete solution fitted to your needs. The compact design enables smaller shaft measurement releasing valuable square metres of the building for better utilisation in new construction.

Cabin interior can be customised. We can also deliver a naked car for local interior delivery. For doors we have cooperation with leading suppliers, making us able to fulfil all requirements and local specifications.

Size and shape of cabins are flexible and with possibilities up to three cabin doors.



Scan  
Information and dimensions



# HydroElite & TractionElite

## HydroElite fl<sup>2</sup>

### VENI. VIDI. VICI.



### Energy

- Up to 80 % energy savings\*
- Up to 70 % lower power demand\*\*
- **Regeneration - VICI**

### Features

- Direct approach to floor
- Shorter travel time
- Increased travel capacity
- Pre-tested in testing facility
- **No need for oil cooler - VICI**

### Technology

- Patented servo valve
- No bypass of oil
- Self learning & self adjusting
- Submerged motor & softstarter - VENI
- Air cooled motor with inverter - VID I
- **Inverter with regeneration - VICI**

## TractionElite fl<sup>2</sup>

### MR & MRL

**MRL - Decentralised lift control system**  
Controller inside lift shaft and user interface box outside of lift shaft, including:

- Display and user interface
- Evacuation procedures
- Resetting of fuses

### One Stop Shop

- Everything you need for your installation
- Same benefits as when ordering a HydroElite
- Same shaft logic as the HydroElite



\* Based on HydroElite VICI compared to conventional systems. VICI can give up to 70 % lower energy consumption and VENI can give up to 50 % lower energy consumption, compared to conventional systems.

\*\* Based on HydroElite VID I and VICI compared to other conventional systems. VENI can give up to 40 % lower power demand compared to conventional systems.



# 10 reasons for Hydroware



## Unique technology

- The unique drives enable a direct approach to the floor without creeping
- Thanks to the servo valve, the HydroElite is able to operate existing systems, where other manufacturers must refuse
- Permanent self-learning/- and self-adjusting systems, no adjustments necessary



## Complete lift systems

- Complete lift systems as tailor-made solutions based on various shaft dimensions, pit and headroom
- Standard solutions for narrow lifts
- Flexible car lifts and freight lifts
- All the advantages of our control and drive units
- Focus on robust and sustainable lifts



## Technical support

- Local support for the complete product with on-site support and training
- 24-hour spare parts service and online documentation
- Commercial and technical advice on site



## Higher lift performance & reliability

- Shorter travel times and more trips per hour
- No by-pass of oil with HydroElite - Temperature problems of the hydraulic drive caused by frequent travel are eliminated by the unique servo valve
- Oil coolers are no longer needed for hydraulic lifts



## Fast delivery

- Standard delivery within only 5-6 weeks
- Express deliveries within 1-2 weeks - available on request
- Direct delivery to the construction site possible



## Sustainability

- Half the environmental impact through our solutions, compared to a full replacement
- Up to 80 % energy savings and 70 % lower power demand
- Our vision is inspired by circular economy



## Swedish quality

- Products certified according to EN81-20/50:2020
- Use of high-quality brand components
- All systems fully tested as a complete unit



## Competent partner

- Over 25 years of experience in lift modernisation
- H<sup>2</sup> - one for all. State of the art lift controller for both hydraulic and traction lifts.
- Full devotion to research and development
- Certified to ISO 9001:2015, 14001:2015 and 45001:2018



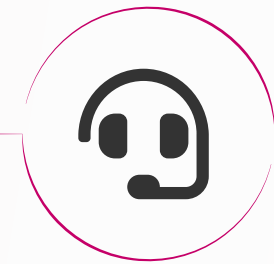
## Successful modernisation

- Everything from one supplier. Control and drive are coordinated and harmonise perfectly with each other
- Our complete package saves you a lot of work and coordination
- Immediate commissioning possible, all systems are pre-set and tested in a test station at the production facility



## Quick installation

- Short assembly times due to pre-set parameters and pre-wired installation
- Assembly run without the need for installing complete shaft wiring looms
- Easy installation or retrofitting of additional components through freely programmable outputs/inputs and CANopen Lift technology
- For faster installation, use the wireless installation handle
- Open control, with 10" touch display and no extra tools for maintenance



# Tools and support

## Support

As a partner of Hydroware, you are always offered first-class technical support for your project. We are available with help and support through your channel of choice.

### Some of the ways in which we offer support:

- Telephone support or on-site support from experienced staff specialised in hydraulic lifts
- Special control options or functions from software developers in project development
- Flexible processing options for complex projects, such as double pistons, high lifting capacities and severe space constraints
- Technical consultation and quotation
- Special system construction with qualified suppliers
- Documentation and certification for distribution online

## Tools

We have developed a variety of tools that will help you in your day-to-day life. Get access to documentation, tools for self-help or access all of your lifts through HydroCloud. Here are some of the tools available to you as a partner to Hydroware:



### Self-help HydroAPP

HydroApp is our tool for self-help. Get suggestions for actions depending on error code and find diagrams and manuals.



### Documentation WebRel

WebRel contains documents for your facilities: wiring diagrams, tables, drawings, certificates and technical documentation.



### IoT HydroCloud

With HydroCloud, you get a clear and easy overview of all your lifts. Available from anywhere.

[www.hydroware.global](http://www.hydroware.global)

Visit us online to find contact persons, tools and other sources of useful information.



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