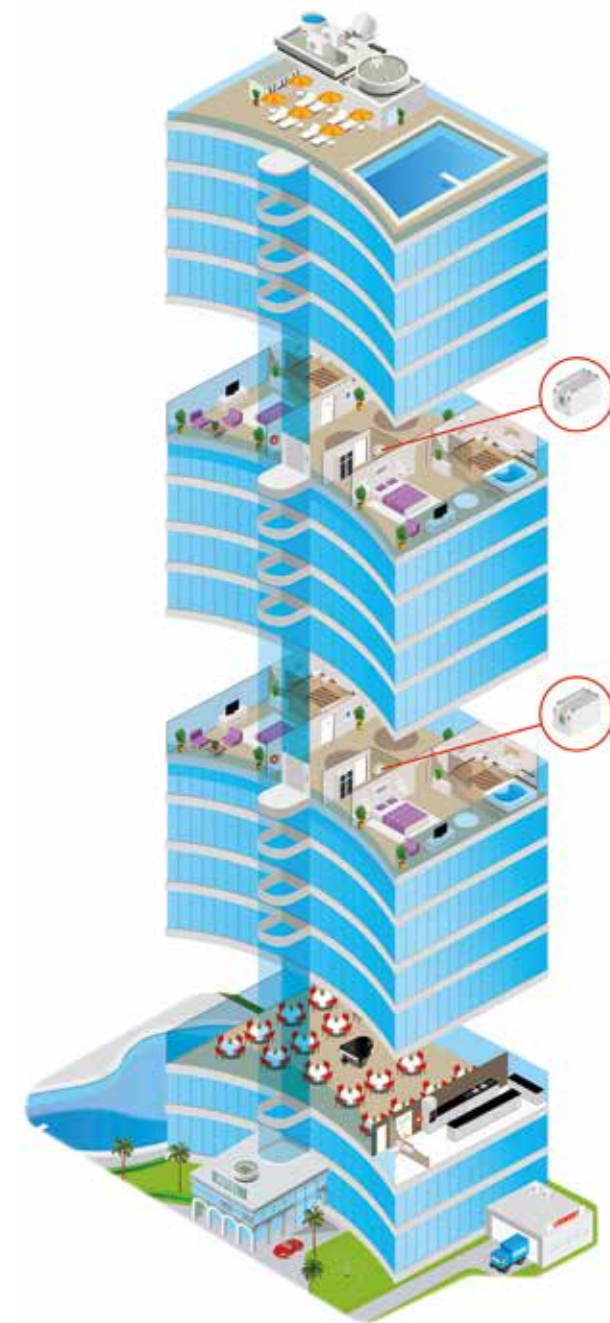


hydro-unit cube the innovative approach



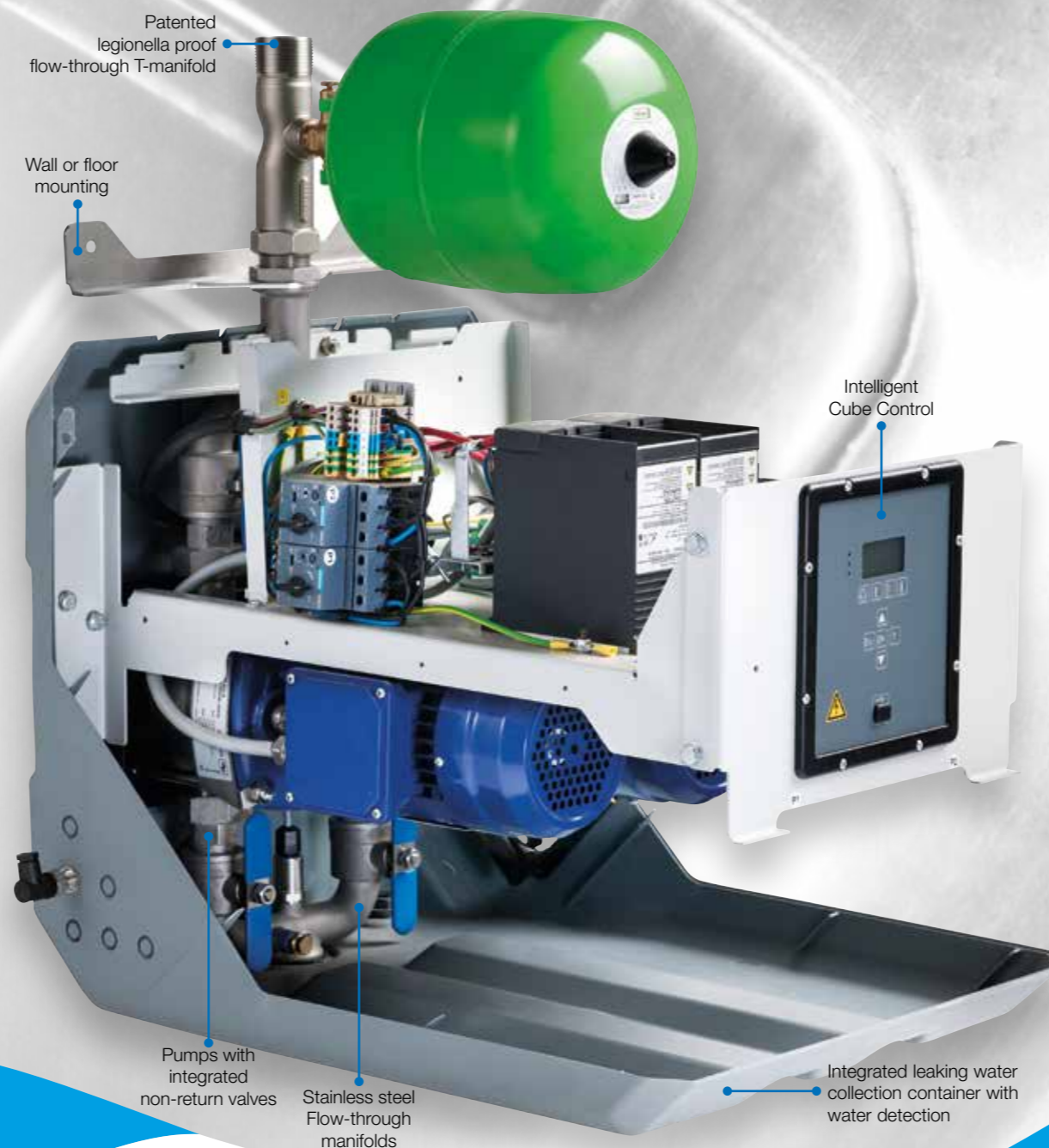
With the Cube we introduce a pressure booster system that really distinguishes itself.

Developed for use beyond typical technical applications, the Cube is compact, quiet and visually attractive, with the looks of a central heating system

This makes it suitable for installation in a broader variety of settings – for instance, in the hall, near the lift, or in smaller (storage) rooms. It can be installed on the floor or on the wall, if desired.

This opens up the opportunity for serialised Cube use, including in existing buildings. Here, several Cubes can bring the pressure in steps to the level required for the upper floors. This method can result in energy savings of at least 25% compared with conventional solutions where the pressure in the building's entire drinking water system is set so that the uppermost floors receive the required pressure. But this often means that the water pressure on the lower floors is so high that it needs to be reduced by valves.

Energy savings at least **25%**



Features

- Compact / Space-saving
 - Pumps with integrated non-return valve
 - Integrated suction and discharge connections
 - Wall mounting 70 x 45 x 66 (d x w x h)
 - Floor mounting 66 x 45 x 70 (l x w x h)
- Provided with 2 DPVME pumps (2, 3, 4, 5 or 6 stages and corresponding motor powers) one of which functions as the obligatory back-up pump
- Thermal motor safety switches for each pump
- Piping, fittings and the hydraulic part of the pumps are made from stainless steel (AISI 304).
- By default with automatic flow-through legionella-safe 8 l switch vessel
- 100% flow-through manifolds and fittings (no standing water) to prevent legionella contamination
- Integrated collection container for collecting any initial leakage and to reduce the risk of consequential damage
- Leak-water detection with alarm function and the possibility to report to, for example, the building management system
- Manifolds with optimum flow-through (minimum pipe losses)
- Provided with 4 vibration dampers

Toepassingen

- High-rise buildings
- Hospitals
- Hotels
- Industry

Specifications	
Qmax [m³/h]	8
Hmax [m _{wk}]	60
Pmax [kW]	1.1
Ambient temperature [°C]	0 t/m 30
Liquid temperature [°C]	+ 4 t/m 40
Safety class	IP21
Weight [kg]	85
Pressure class	PN10

Control & communication

- Intelligent Cube control , optional with frequency control
- 50 Hz and 60 Hz versions
- Communication options by means of Modbus or Profibus (option)
 - Dead fault outputs: urgent and non-urgent, fail-safe
 - Report to building management system (through digital contacts)
- Low pressure protection through pressure sensor
- Adjustable system-pressure loss correction factor (compensation for pipe losses)
- Pumps feature continuously optimised switch-off delay time
- 24-hour test-run function
- Display: System pressure, pre-pressure, load, starts, pump status, operating hours and fault interface



Wall- or floor mounted

approach



Advice

You will always have contact with an involved expert. This expert has the required experience and knowledge to select, calculate and configure the right pump for your application. If necessary, the expert can call in our engineers of the R&D department.



A replacement pump in no time

A clever production process enables us to assemble all pump varieties immediately after we have received your order. We can assemble as many as 3 million different logical varieties of the stainless-steel multi-stage centrifugal pumps of the DPV-series. This enables us to virtually always ship a replacement pump really quickly.



Fast and flexible

Our DPV multi-stage centrifugal pumps and pressure booster systems are fully 'made in Holland'. We investigate, invent, develop and produce all products ourselves. Our domestic sales and service departments have been accommodated in the same building as well. This enables them to switch quickly and flexibly to meet your requirements or to immediately solve problems in the field.

the **dynamics** of water



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