

HIU flexLEN

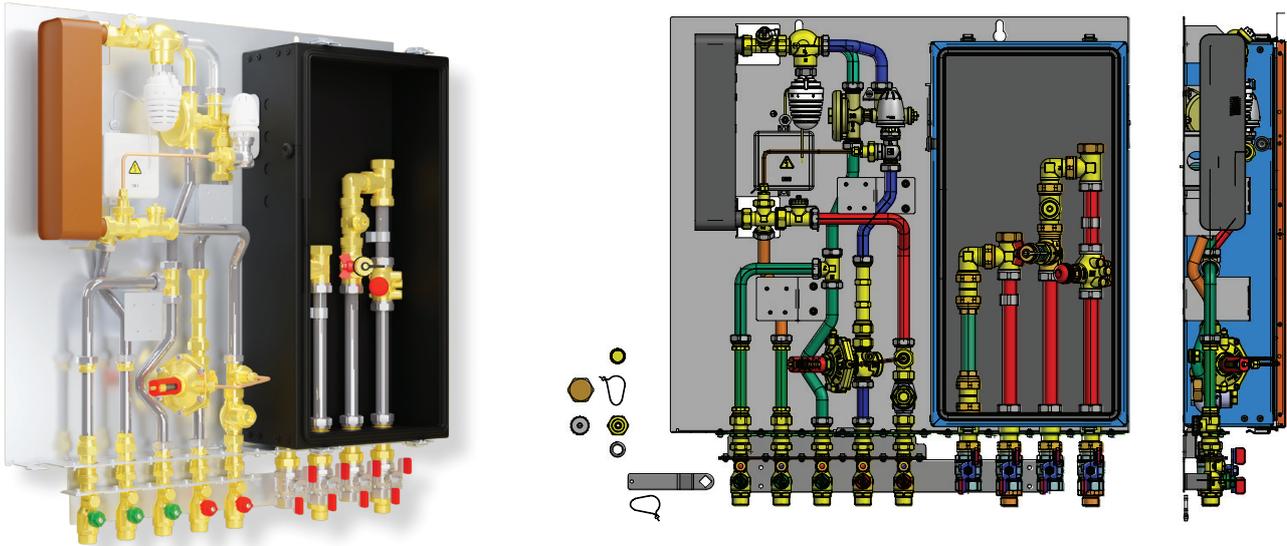
Modern low energy applications



- ✔ HERZ HIUs are designed for minimal space requirements and are fully assembled and rigorously tested for leakage at our in-house production facility.
- ✔ With decentralized hot water generation, they ensure exceptional hot water comfort while maintaining optimal water hygiene.
- ✔ The separation of hot water preparation from room heating enables the efficient integration of heat pumps and combined heating and cooling systems.
- ✔ Installation box allows for the connection of up to 12 heating circuits, providing a flexible and scalable solution.

Application

HIU flexLEN (Low Energy Network) is the compact hydraulic interface unit with minimal space requirements and separate supply for heating/cooling and hot water. It includes all the necessary components to efficiently regulate both room heating & cooling as well as hot water generation. While the underfloor heating operates at significantly lower temperatures than water heating, the HIU flexLEN, as a 4-pipe station with separate primary supply, ensures more efficient operation at this point. This allows a heat pump to deliver its performance in the optimal temperature range for room heating, resulting in lower heating costs. The 4-pipe system enables simultaneous use of heating or cooling and hot water. The instantaneous water heater principle guarantees high hot water comfort.



Dimensions

Thanks to its compact dimensions, the HERZ HIU flexLEN is ideal for frame technology and is available in two different sizes (HxWxD):

- Short: 800 x 800 x 150 mm
- Long: 1.490 x 800 x 150 mm

Technical data - hot water supply

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|---|-----------------------|
| Max. operating temperature: | 85 °C |
| Max. operating pressure: | 10 bar |
| Max. differential pressure (primary): | 2 bar |
| Adjustable differential pressure control valve (primary): | 25 -60 kPa |
| Tap quantity: | 18 l/min |
| Tap temperature: | 45 - 50 °C |
| Operating temperature (flow): | 55 - 85 °C |
| Min. cold water flow pressure: | 2,8 bar |
| Connection: | MT 3/4", flat sealing |

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