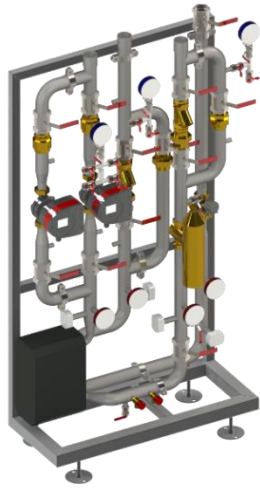
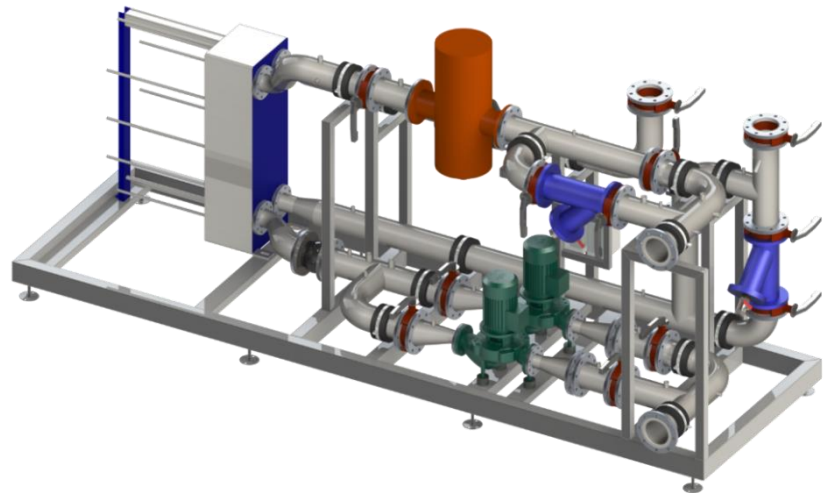


## EnerTek prefabricated energy substations

Capacity range heating 35-10000 kW / cooling 20-3000kW



Example of HEDP32 - HEDP50 unit types



Example of HEDP65 - HEDP250 unit types

### Benefits:

- Compact size for an easy installation and transport.
- Space and time savings during on-site installation.
- Completely mounted on frame with adjustable feet.
- Easy to install and maintain.
- Good access to maintenance components.
- Possibility to choose pump model and range.
- Customization according to the project parameters, pipe sizes and mounting locations.

### Product information:

Prefabricated energy substation for heating or cooling system. It is used when heating or cooling network conditions, such as temperature or pressure, do not allow direct connection to primary system. Heat exchanger ensures that the primary supply side and the secondary installation side are safely separated. The standart unit can be chosen between 2 types of piping quality: black steel P235TR1 or stainless steel AISI316L. All components are mounted on floor standing frame, that provides a robust design. Preftek uses only high quality and world recognized components, that ensures high performance during operation time. Substation is equiped with Grundfos (alt. Wilo) circulation pumps, Kelvion or Swep heat exchangers, Belimo or Siemens control valves, Flamco and Reflex water treatment systems. EnerTek has standart product range, but it can also be easily adjusted according to the project parameters, such as different heating/cooling output, circulation pumps flow and head rates, pipe sizes.

### Technical information:

Heating system technical parameters:

Type	HEDP32	HEDP40	HEDP50	HEDP65	HEDP80	HEDP100	HEDP125	HEDP150	HEDP200	HEDP250
Pipe diameter	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250
Max flow, m <sup>3</sup> /h	2.5	3.5	6.5	13	19	32	64	97	194	323
Max head, kPa	150	150	150	150	150	150	150	150	150	150
Max capacity, kW	35-70	70-100	100-200	200-400	400-600	600 - 1000	1000 - 2000	2000 - 3000	3000 - 6000	6000 - 10000

\* Parameters are given at: primary side medium water 62/37°C (ΔT=25), secondary side medium water 60/35°C (ΔT=25). With other medium and ΔT meanings parameters may vary.

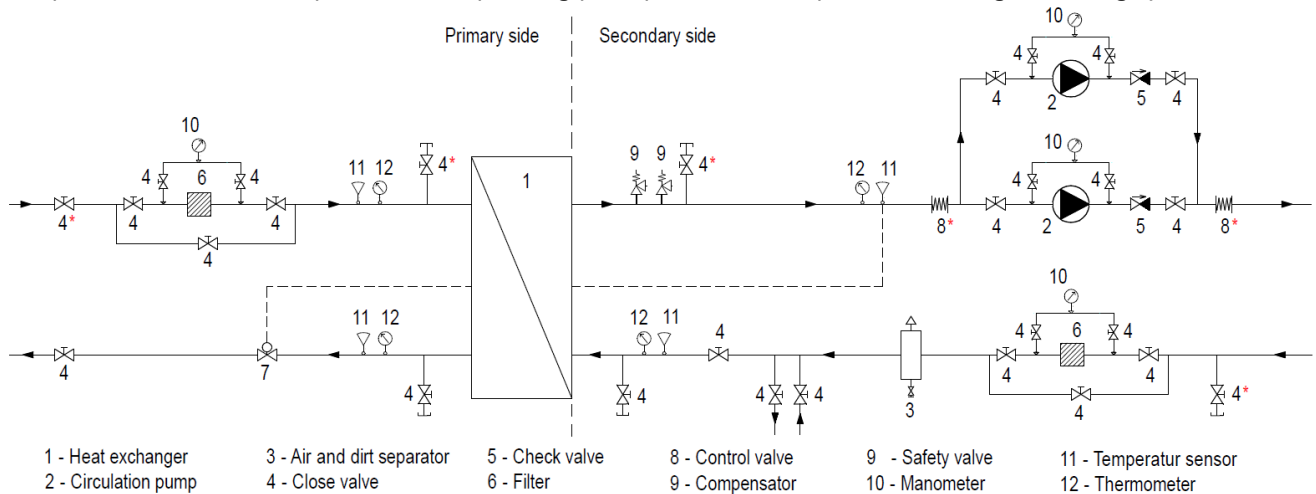
Cooling system technical parameters:

Type	HEDP32	HEDP40	HEDP50	HEDP65	HEDP80	HEDP100	HEDP125	HEDP150	HEDP200	HEDP250
Pipe diameter	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250
Max flow, m <sup>3</sup> /h	2.5	3.5	6	12.5	18	37	67.5	110	221	368
Max head, kPa	150	150	150	150	150	150	150	150	150	150
Max capacity, kW	10-20	20-30	30-50	50-100	100-150	150-300	300-550	550-900	900 - 1800	1800 - 3000

\* Parameters are given at: primary side medium water 7/14°C (ΔT=7), secondary side medium water 9/16°C (ΔT=7). With other medium and ΔT meanings parameters may vary.

### Principal scheme and components:

Principal scheme shows components and operating principle of EnerTek plant for heating or cooling system.

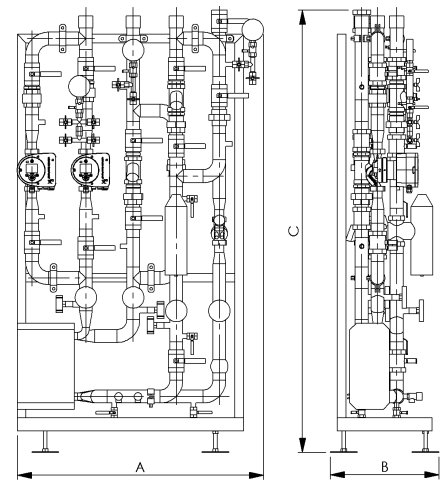


\* marked components are included only in HEDP65 – HEDP250 unit types.

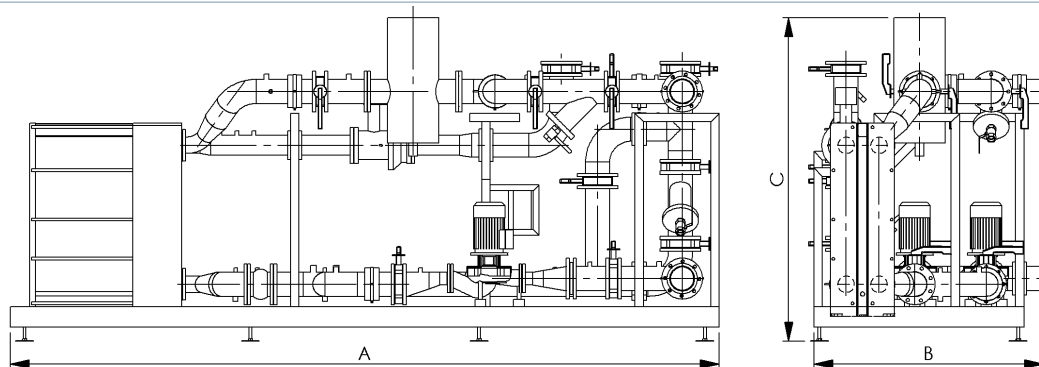
### Dimensions and weight:

Type	A- Length, mm*	B - Width, mm*	C- Height, mm*	Net weight, kg*
HEDP32	1100	500	2050	200
HEDP40	1120	510	2050	230
HEDP50	1150	510	2060	250
HEDP65	4400	1200	2000	1400
HEDP80	4500	1300	2100	1500
HEDP100	4600	1400	2200	1600
HEDP125	4800	1550	2300	1800
HEDP150	5000	1600	2300	1900
HEDP200	5200	1700	2400	2200
HEDP250	5300	1800	2500	2400

\* Approx. dimensions. Depending on the requirements, connections, type of HE and pumps, dimensions may vary.



Dimension layouts of HEDP32 - HEDP50 unit types



Dimension layouts of HEDP65 - HEDP250 unit type