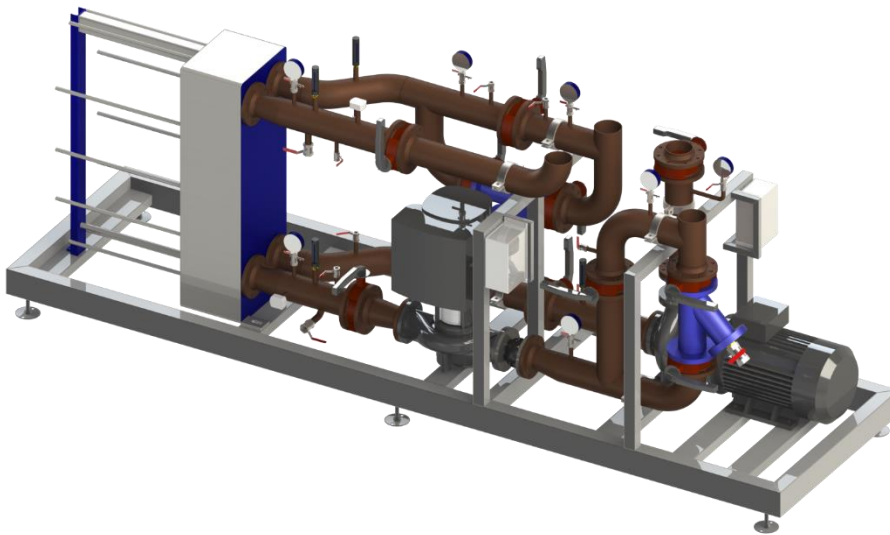


EnerTek prefab module for snowmelting or heat dumping system

Snowmelting 15-3000 kW / Heat dumping 200-1000kW



Example of HE2P65 – HE2P200 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 and heat exchanger capacity.
- Customization according to the project parameters, pipe sizes and mounting locations.

Product information:

Prefabricated subcentral for snowmelting or heat dumping systems. In most cases it is used when two different type of flow medium needs to be used (water & glycol e.x.) and most common applications - snowmelting or heat dumping systems (via drycoolers). The standart unit offers 2 types of piping quality: black steel P235TR1 or stainless steel AISI316L. EnerTek prefabricated module is designed to be floor mounted. All components are mounted on frame, that provides a robust design. Preftek uses only high quality and world recognized components, that ensures high performance during operation time. Substation is equipped 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, mounting locations.

Technical information:

Snowmelting system technical parameters:

Type	HE2P32	HE2P40	HE2P50	HE2P65	HE2P80	HE2P100	HE2P125	HE2P150	HE2P200
Pipe diameter	DN32	DN40	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Max flow, m ³ /h	2	2.5	4.5	9	14.5	29	52	86	172
Max head, kPa	150	150	150	150	150	150	150	150	150
Max capacity, kW	15-30	30-45	45-80	80-160	160-250	250-500	500-900	900-1500	1500-3000

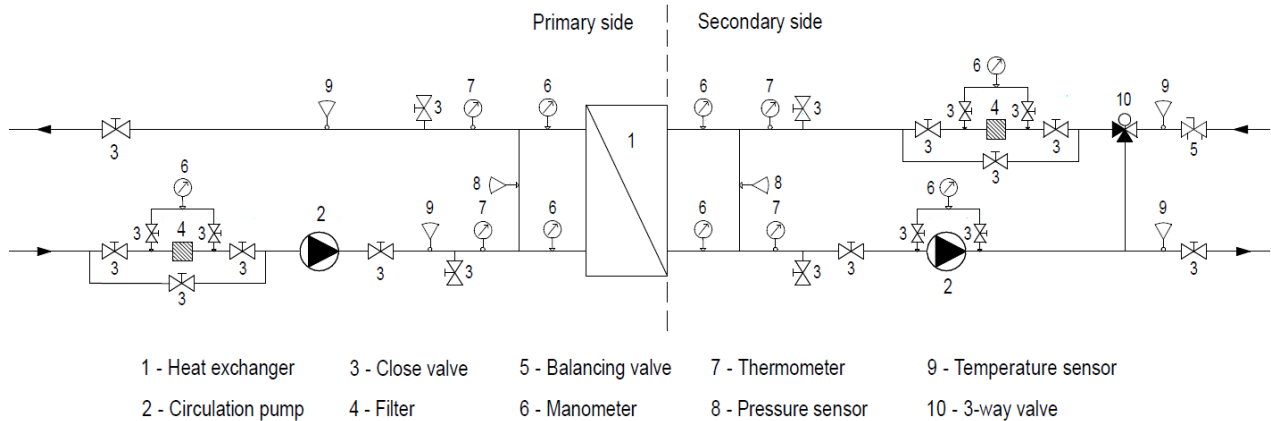
* Parameters are given at: primary side medium water 25/40°C (ΔT=15), secondary side medium MEG30% 35/20°C (ΔT=15). With other medium and ΔT meanings parameters may vary.

Heat dumping system technical parameters:

Type	HE2P100	HE2P125	HE2P150	HE2P200
Pipe diameter	DN100	DN125	DN150	DN200
Max flow, m ³ /h	34	51	86	172
Max head, kPa	150	150	150	150
Max capacity, kW	200	200-300	300-500	500-1000

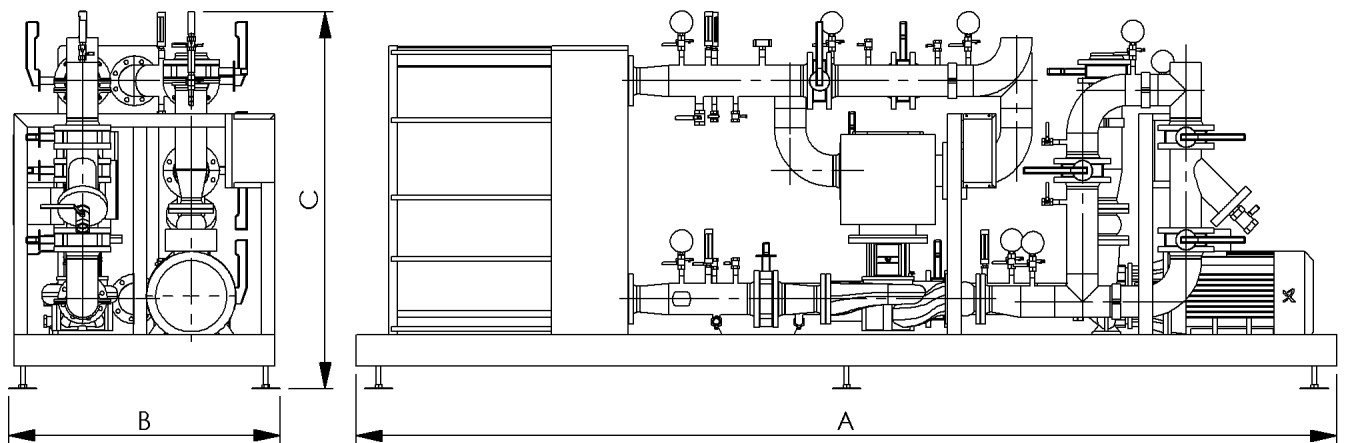
* Parameters are given at: primary side medium water 10/15°C (ΔT=5), secondary side medium MEG30% 7/12°C (ΔT=5).
With other medium and ΔT meanings parameters may vary.

Principal scheme and components:



* Principal scheme shows components and operating principle of subsentral for snowmelting or heat dumping system.

Dimensions and weight:



Dimension layouts of HE2P65 – HE2P200 unit types

Type	HE2P32	HE2P40	HE2P50	HE2P65	HE2P80	HE2P100	HE2P125	HE2P150	HE2P200
A - Length, mm	On request			4100	4200	4300	4400	4600	4800
B - Width, mm	On request			1150	1200	1250	1300	1400	1500
C - Height, mm	On request			1650	1650	1700	1700	1800	1900
Net weight, kg	On request			1500	1600	1700	2000	2100	2300

* Approx. dimensions. Depending on the project requirements, connections, type of heat exchangers and pumps dimensions may vary.