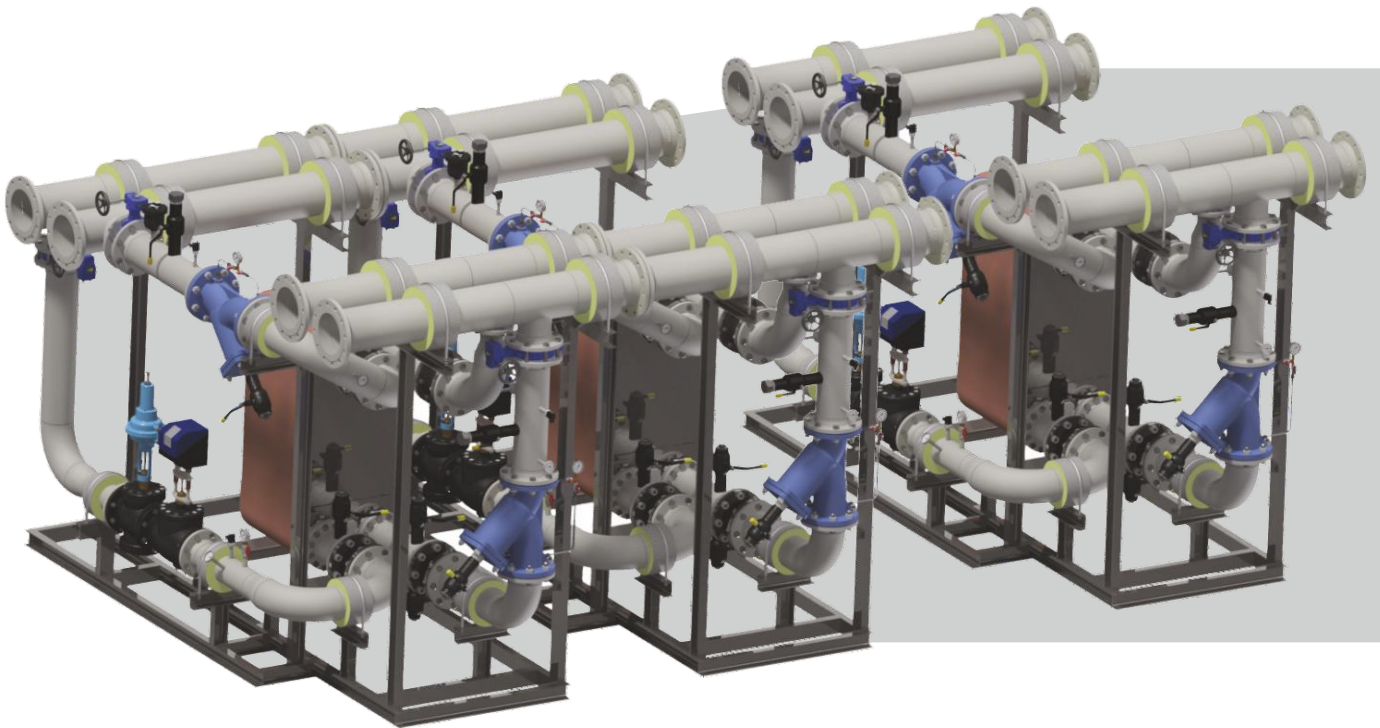


Dalsia flexCool

Modular Energy Transfer Station

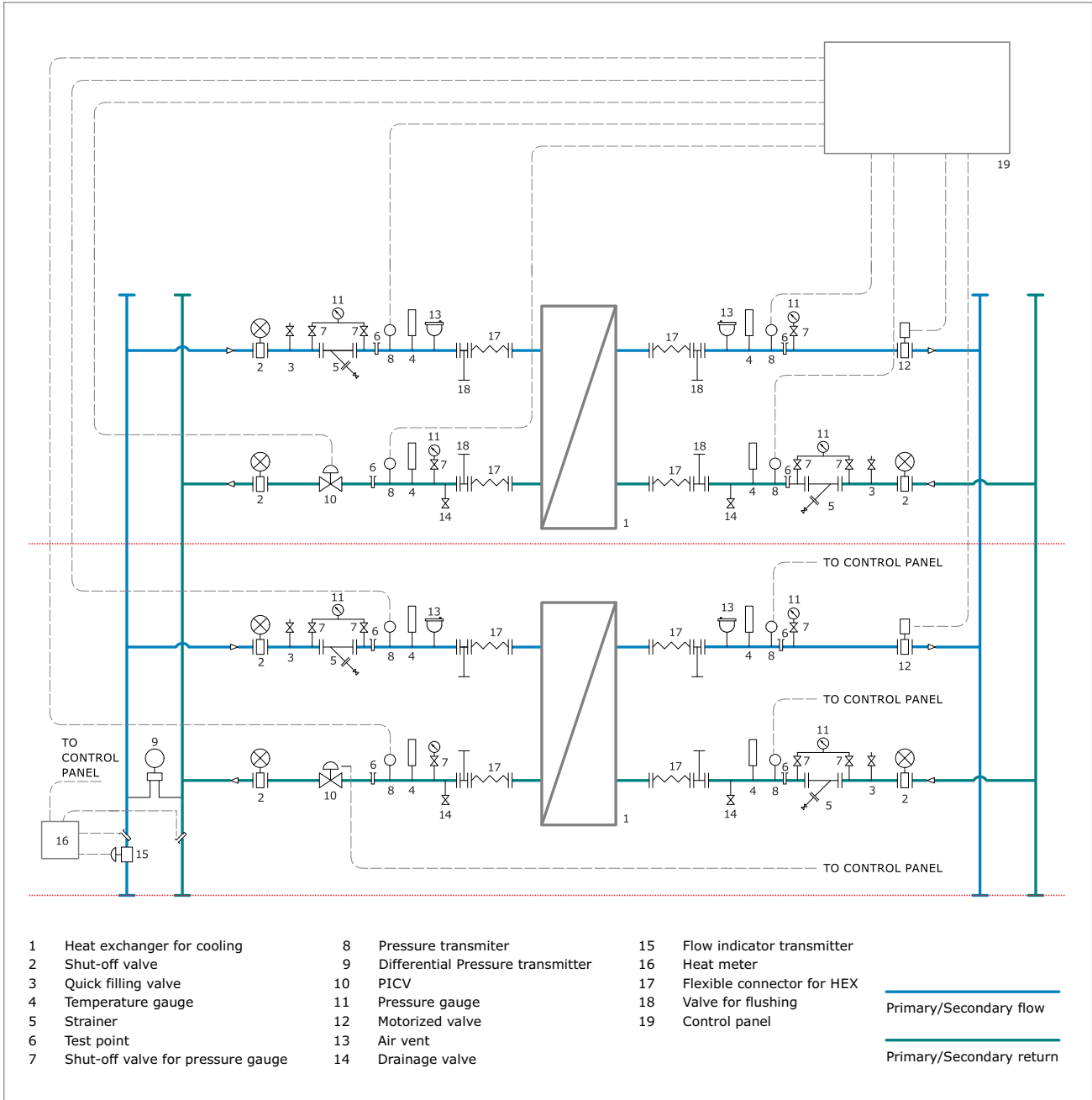


Dalsia flexCool is a modular energy transfer station that provides cold water to your building for the air-conditioning and tap water installations. Dalsia flexCool can be easily adjusted according to the required cooling load because up to four modules can be added sequentially to the main unit, which ensures that the efficiency of heat transfer is kept high. This feature also reduces the risk of fouling and maximizes the temperature differences at low loads.

- **Compact & flexible design** – Minimum space required; module dimensions 1 705 x 3 320 x 2 335 mm. Dalsia FlexCool could be connected from different directions, which minimizes the ETS room piping.
- **Plug & Play solution** – One has just to deliver the units to the room and connect them. All automation is pre-installed and tested.
- **High efficiency heat exchangers** - Compact brazed Swep heat exchangers have heat transfer coefficient of 6 000 W/m² °C. No gaskets and need of disassembling. They come with 5 years warranty.
- **High rangeability** – from 300 TR to 2 400 TR.
- **Pressure independent differential valves** – minimizing pumping costs.

Dalsia flexCool – easy and convenient

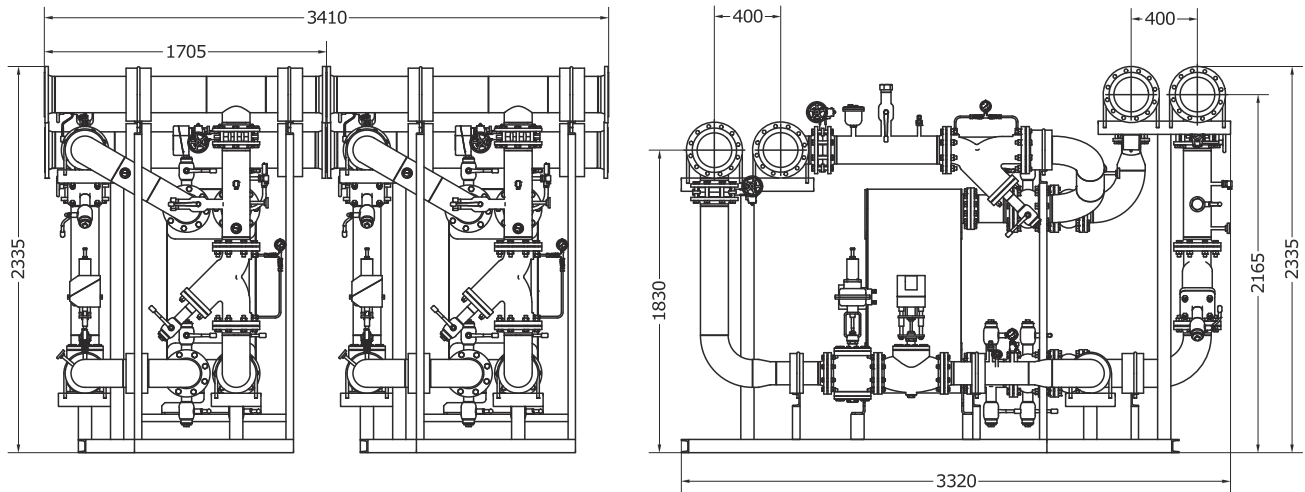
PI-diagram



Example configurations of Dalsia flexCool ETS module

	Heat exchanger connections	Primary connection	Cooling load	Primary pressure loss	Secondary pressure loss	Dimensions WxLxH
	inch	inch	TR	< kPa	< kPa	mm
Dalsia flexCool 630	6"	8"	630	160	100	1 705 x 3 320 x 2 335
Dalsia flexCool 1260	6"	8"	1260	160	100	3 410 x 3 320 x 2 335
Dalsia flexCool 1890	6"	8"	1890	160	100	5 115 x 3 320 x 2 335
Dalsia flexCool 2520	6"	8"	2520	160	100	6 820 x 3 320 x 2 335

Dalsia flexCool – easy and convenient



Energy transfer station usage covers all types of buildings connected to the district cooling system such as residential buildings, offices, commercial buildings, public buildings etc.

Our range of district cooling applications can be easily adjusted for different temperature regimes. Nominal capacities vary from 10 kW to more than 5 MW.

Dalsia flexCool contains wide range of components from leading producers. It is provided with detailed 3D design and documentation for all units and produced in full compliance with international standards. With Dalsia flexCool energy transfer stations future enhancements are streamlined with all equipment centralized.

Along with the design and production of energy transfer stations, our solutions cover our own remote control and communication technology SiDiO, as well as metering and cost allocation services.

Custom Dalsia flexCool energy transfer stations

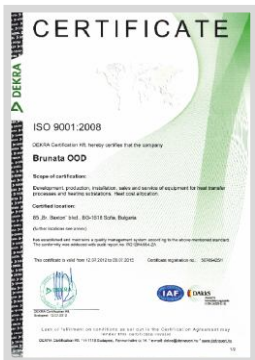
We will build a custom energy transfer station according to your specific wishes, needs and requirements. From unique district cooling units to container packed high power substations, we are here to fulfil your projects. Our customized stations are designed and manufactured exclusively depending on the unique system's parameters so that they can achieve maximal efficiency. Our specialists are here to advise you when planning the configuration of the station.

Dalsia flexCool- easy and convenient



Dalsia Brunata district energy solutions have served international markets since 1993 with a continuous improvement in design and production capacity. What started as a basic production and is now a fully fledged and modern factory with the capacity of making thousands stations per year.

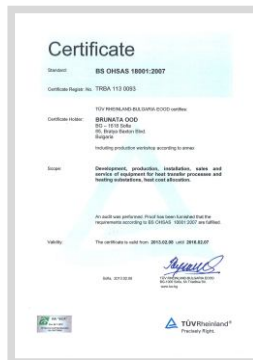
Dalsia Brunata production is ISO 14001 and 9001 certified to ensure top quality of all our products and service. Dalsia Brunata is also certified in accordance with PED 97/23/EC for operation with pressure equipment.



Certificate ISO 9001:2008
Quality management



Approval of quality system
acc. to PED 97/23/EC



Certificate ISO 18001 OHSAS
Occupational health
and safety



Certificate ISO 14001
Environmental
management

Dalsia Brunata

85 Baxton Blvd. · BG-1618 Sofia
Tel. +359 2 9155 701 · Fax +359 2 9155 755
www.dalsiabrunata.com
sales@dalsiabrunata.com