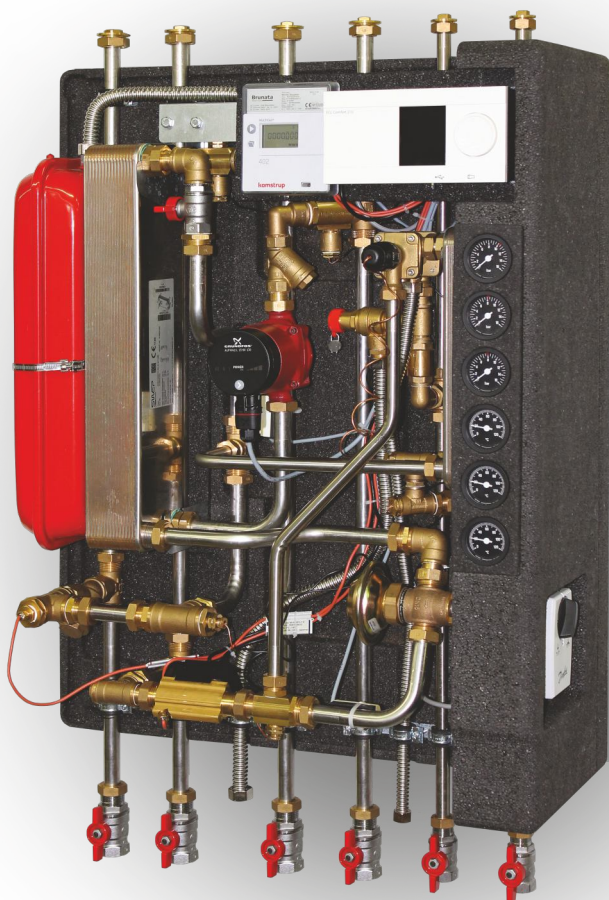


Dalsia fleXY

District heating substation for wall mounting

NEW!



Dalsia fleXY is a family of wall-mounted units with application in district heating. They use weather compensation electronical controller and could be connected to various SCADA systems.

Dalsia fleXY 100 could be used with heat flow equal or up to 2m³/h and is provided with integrated pump. Options with 50 kW DHW heat exchanger or only connections for DHW tank are available.

Dalsia fleXY 200 could be used with heat flow equal or up to 4m³/h and is offered without a pump and expansion vessel. Options with 50 kW DHW heat exchanger or only connections for DHW tank are available.

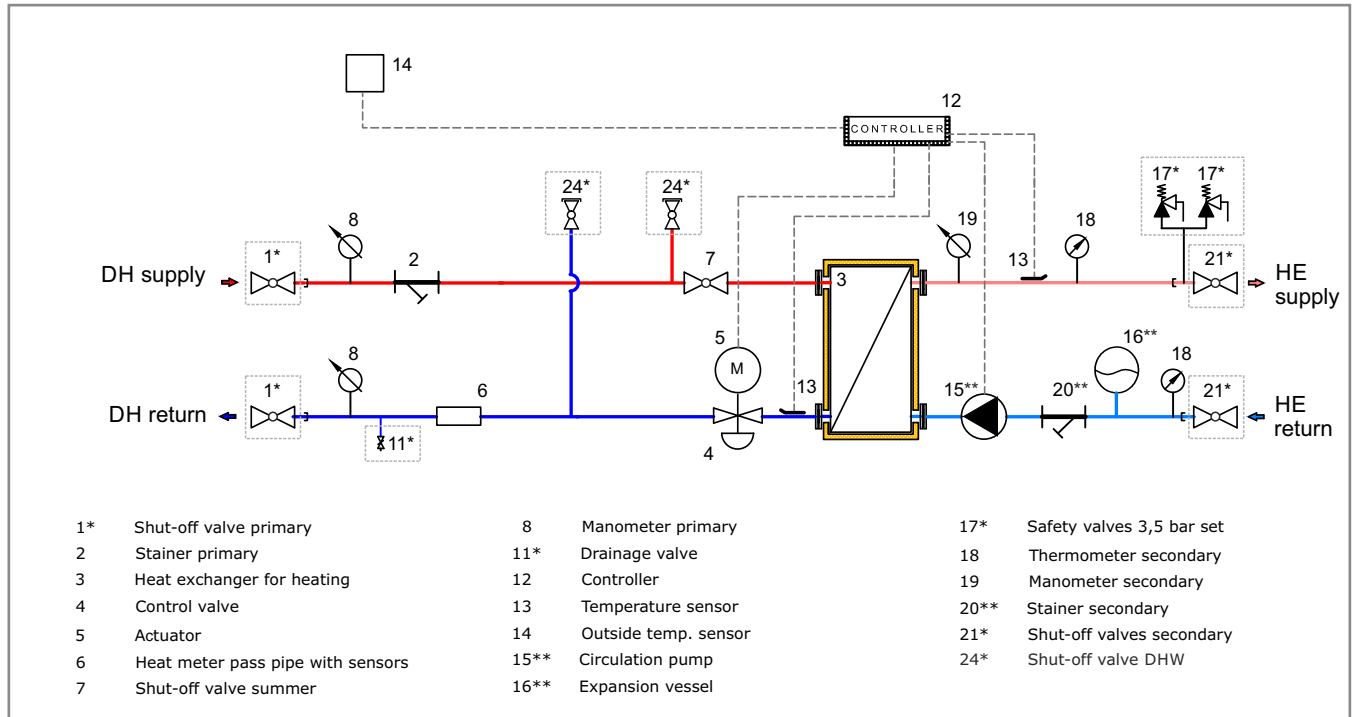
Options also include connection valves, balancing group, recirculation line, etc. For more information on different configurations see the ordering table.

Features and benefits:

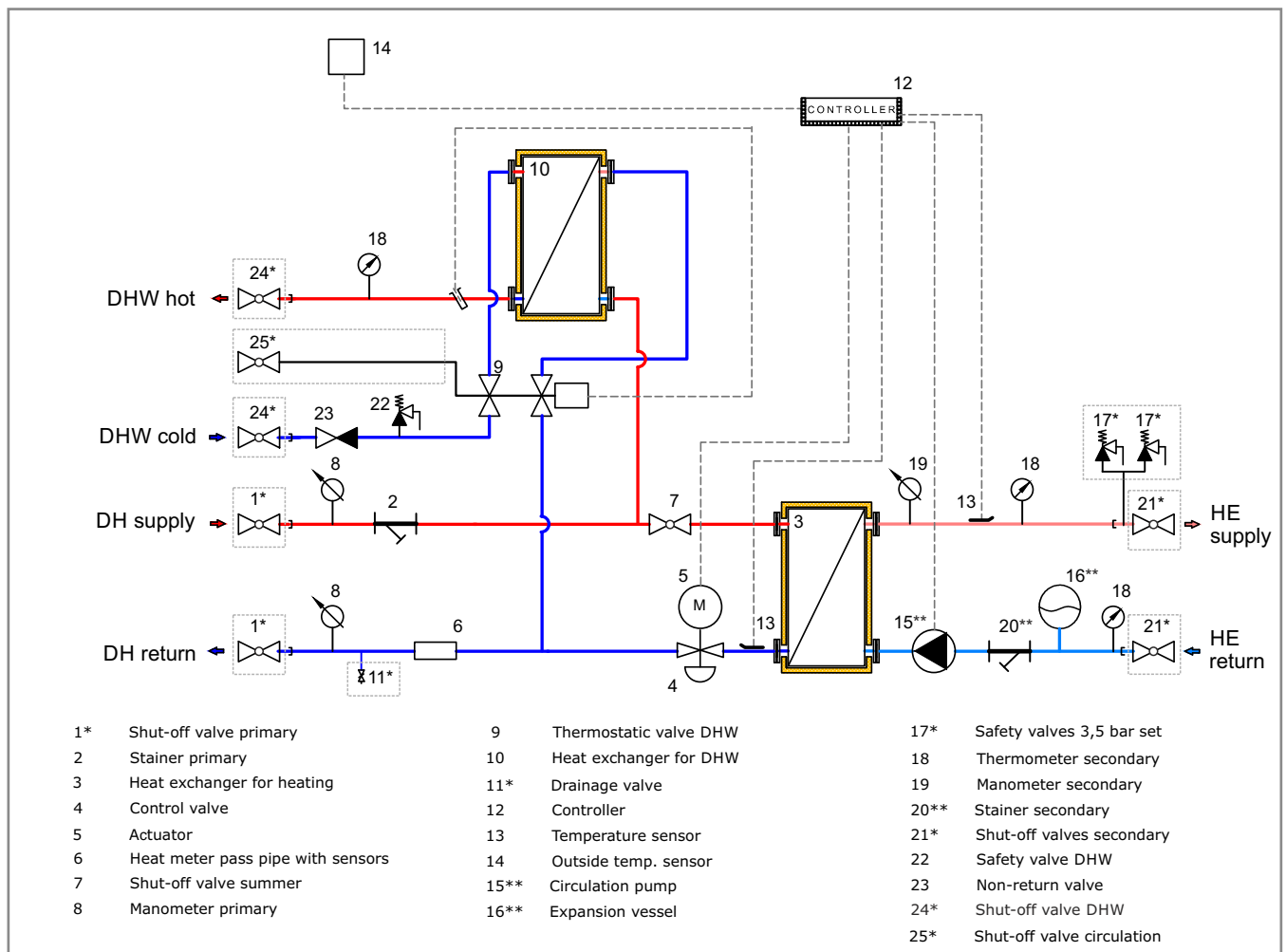
- High efficiency heat exchanger
- Low hydraulic losses – 1" primary and heating lines
- Small reaction time for DHW
- Up and down connections
- Fully insulated according to DS452
- Pressure balanced
- fleXY - flexible configurations

Dalsia fleXY – easy and convinient

Sample PI-diagram (heating)



Sample PI-diagram (heating and DHW)



* The specified components are optional.

** The specified components are mounted outside the unit when the capacity is below 50 kW.

Type designation of Dalsia fleXY district heating substations (heating)

Plate HEX type	Heating temp. primary °C	Heating temp. secondary °C	Heating pipes connections inch	Heating capacity kW	DHS primary pressure loss kPa	Flow primary m3/h	DHS secondary pressure loss kPa	Flow secondary m3/h	Pump Heating type	Expansion vessel volume l
IC25TH30	90/45	40/70	1"	50	39	0.97	15	1.44	Alpha2 L 15-60	8
IC25TH30	80/43	40/60	1"	35	40	0.82	14	1.51	Alpha2 L 15-60	8
IC25TH30	60/30	25/55	1"	18	21	0.52	3	0.52	Alpha2 L 15-60	8
IC25TH80	90/45	40/70	1"	100	54	1.92	17	2.87	-	-
IC25TH80	80/43	40/60	1"	80	46	1.86	23	3.45	-	-
IC25TH80	60/30	25/55	1"	58	39	1.67	9	1.67	-	-

* Subject to changes.

Type designation of Dalsia fleXY district heating substations (heating and DHW)

Plate HEX type	Heating temp. primary °C	Heating temp. secondary °C	Heating capacity kW	Heating flow primary m3/h	Plate HEX type	DHW pipes connections inch	DHW capacity kW	DHW flow secondary m3/h	DHW flow primary m3/h	DHS primary pressure loss Summer kPa	Heating + DHW flow primary m3/h	DHS primary pressure loss Winter kPa
IC25TH30	90/45	40/70	50	0.97	XB06H-130	3/4"	48	1.03	1.18	39	2.15	50
IC25TH30	80/43	40/60	35	0.82	XB06H-130	3/4"	48	1.03	1.18	39	2.00	41
IC25TH30	60/30	25/55	18	0.52	XB06H-130	3/4"	48	1.03	1.18	39	1.70	39
IC25TH80	90/45	40/70	100	1.92	XB06H-130	3/4"	48	1.03	1.18	39	3.10	57
IC25TH80	80/43	40/60	80	1.86	XB06H-130	3/4"	48	1.03	1.18	39	3.04	51
IC25TH80	60/30	25/55	58	1.67	XB06H-130	3/4"	48	1.03	1.18	39	2.85	49

* Subject to changes.

Dalsia fleXY

Type - -

[illegible]

For example, Dalsia fleXY 210-010-652 includes:

80 plates heat exchanger for heating,

DHW connection,

no pump,

no expansion vessel,

recirculation connection 3/4",

no heat meter,

valves set included,

secondary filter 1 1/4",

safety valves 1/2" set.

Technical parameters

Parameter	Primary side	Secondary side
Nominal pressure	Pn 16	Pn 10
Max. supply temperature	120 °C	100 °C
DHW design temperature	60/25 °C	10/50 °C

Dimensions in mm L750 x B300 x H950

Electricity supply 230V AC

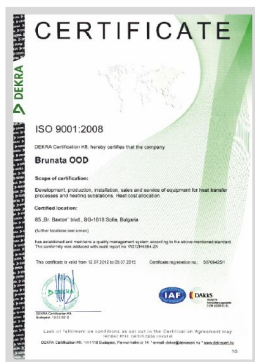
* Only possible for substations with IC25TH30 HEX

Dalsia fleXY – easy and convinient



Dalsia Brunata district heating 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 substation factory with the capacity of making thousands substations 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

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