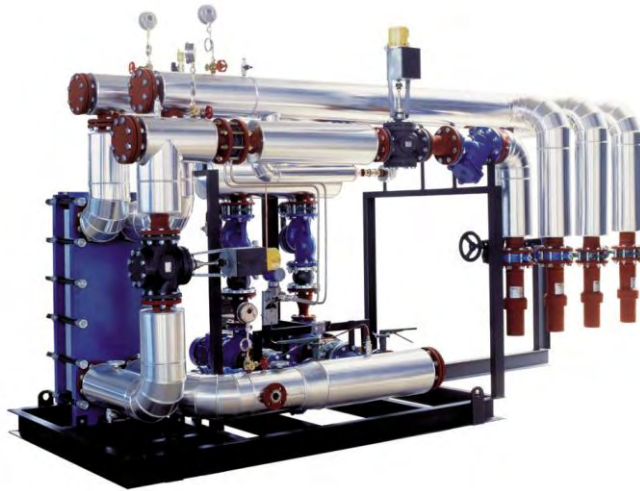


## District Heating ~ Substations



District Heating Skid ~ Pipes Fully Insulated



D. H. Skid with Plates Fully Insulated



Producing Domestic Hot Water & Heating

# Instantaneous Low Temperature Hot Water using Steam as Primary Source



1 Heat exchanger

2 Filter

3 Heat meter

4 Expansion vessel

5 Motorized Valve

6 Check valve

7 Ball valve

8 Electric control unit

9 Safety valve

10 Regulation temperature sensor

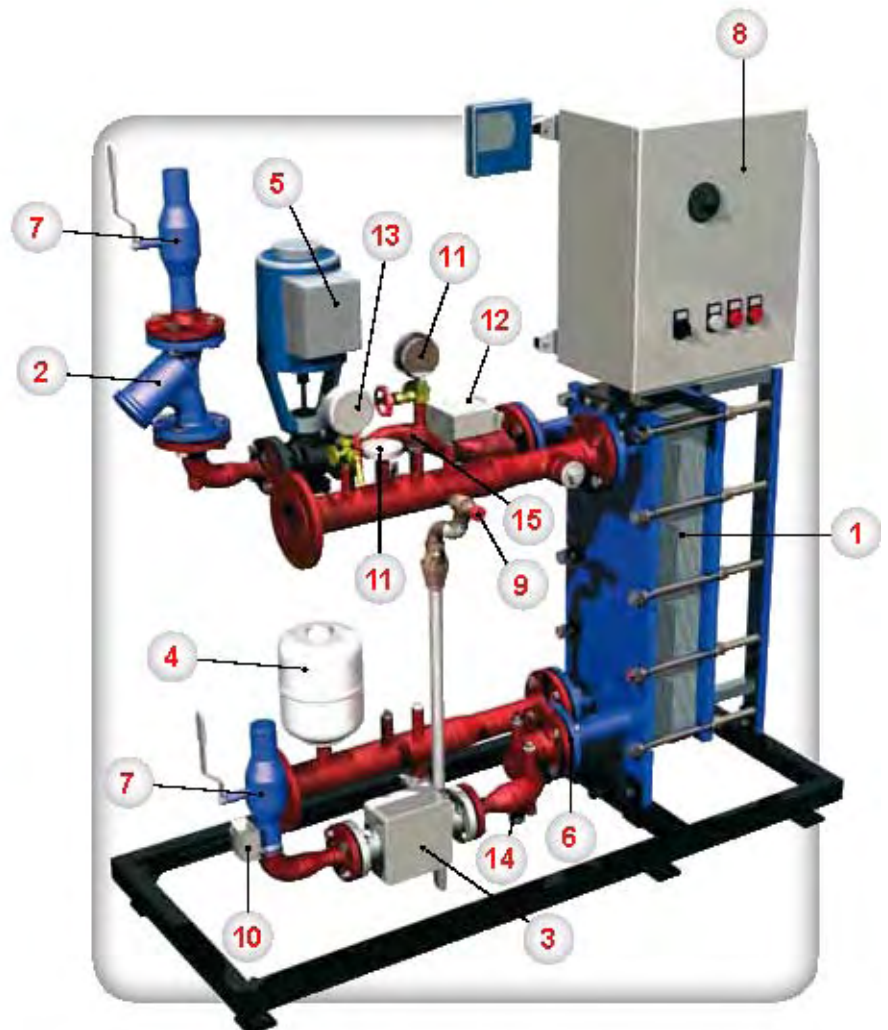
11 Thermometer

12 Block thermostat

13 Pressure gauge + Fl tap

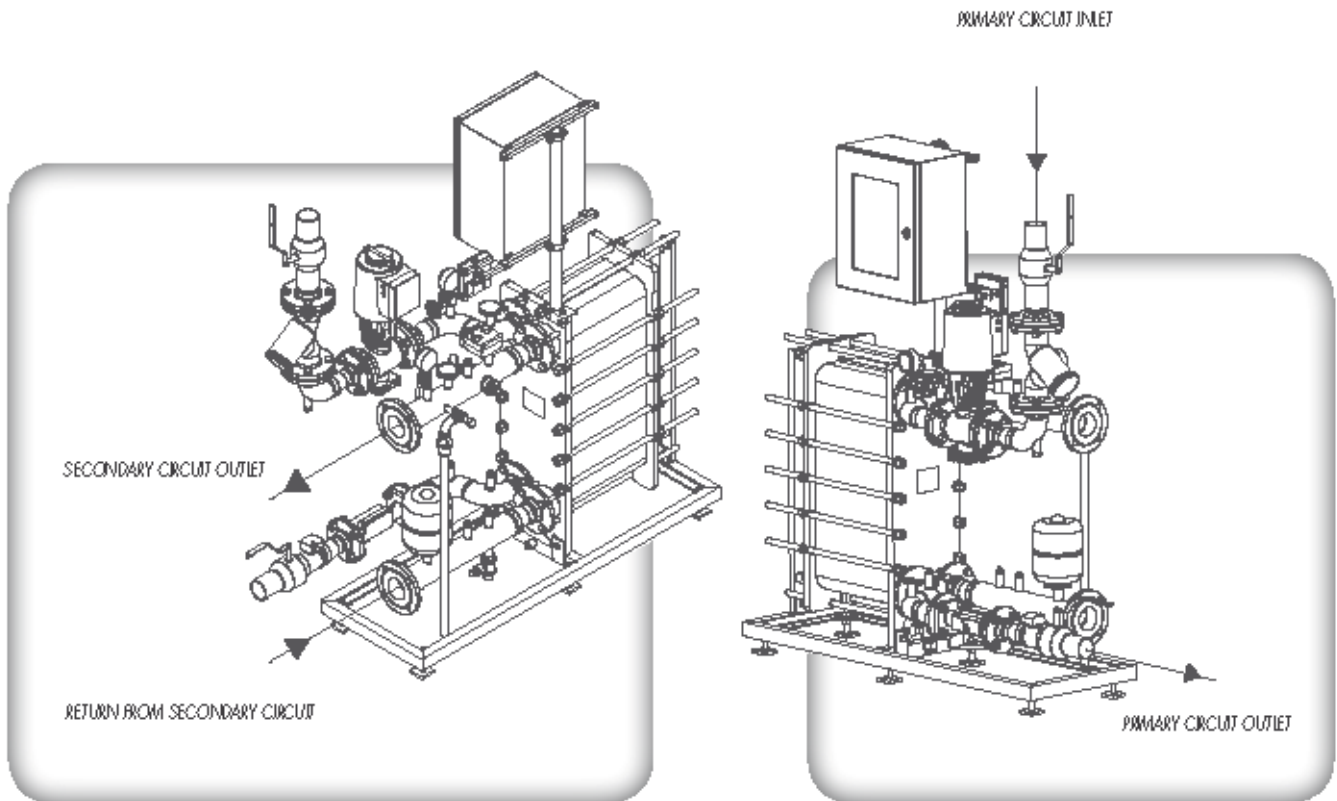
14 Drain

15 I.S.P.E.S.L. thermometric pocket



Typical Skid Arrangement with Legend

# Typical District Heating Skid Schematic



Capacity (kW)	Design Temp (°C)	Overall Sizes Length x Height x Width	Connections Primary	Connections Secondary	Empty Weight (Kgs)
200	100	1390 x 1830 x 500	DN40	DN50	250
400	100	1560 x 1870 x 560	DN50	DN65	400
600	100	1770 x 1870 x 610	DN65	DN80	450
800	100	1730 x 1870 x 615	DN80	DN100	500
1000	100	1935 x 1890 x 1000	DN80	DN100	800
200	140	1160 x 1680 x 500	DN25	DN50	200
400	140	1405 x 1870 x 550	DN40	DN65	350
600	140	1520 x 1870 x 600	DN50	DN80	400
800	140	1780 x 1870 x 600	DN50	DN100	450
1000	140	1915 x 1840 x 1000	DN65	DN100	750

**Note:** Each substation is dimensioned and built around the following parameters, the pressure within the two circuits, the thermal head and the Heating load or capacity required by client.

For this reason the overall dimensions of the substations are subject to change, case by case.

The maximum measurements are suggested in the table above; calculation of the table values is based on CA-HVAC standard parameters.

Wall-mounted substations are available for heating capacities equal to or less than 116 kW