

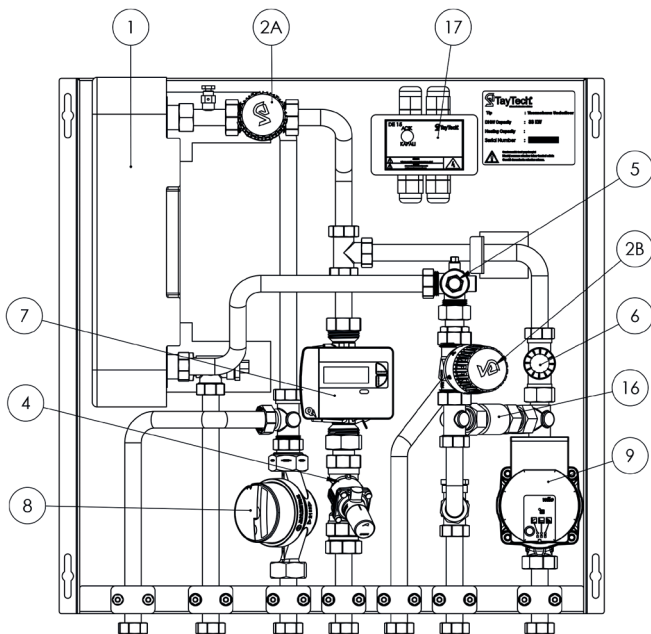


## THERMOHEXA-UFH

### FUNCTIONAL DESCRIPTION

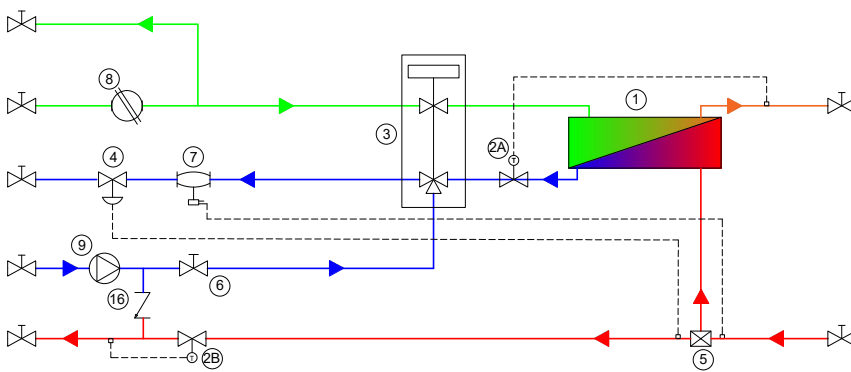
ThermoHexa **underfloor heating** is used to prepare the domestic hot water and balancing on the primary side. It has a very fast responding thermostatic valve so that the energy losses are at minimum. EPP insulation is implemented for minimizing the heat loss on the heat exchanger. Its compact design enables the user to make the assembly in a easy and practical way. Material of heat exchanger and pipes are AISI 316 quality stainless steel and HIU can work efficiently in conjunction with aluminum radiators. It has an extra thermostatic control valve to control underfloor heating side. It includes a mixing circuit in order to obtain stable temperature at underfloor heating side. Adjustments for flow rates can be made easily with zone valve at the heating side. It is easy to mount an actuator on the zone valve that shuts heating circuit when the room thermostat is at off position.

## COMPONENTS



- 1. Domestic Hot Water Heat Exchanger
- 2A. Thermostatic Valve for DHW
- 2B. Thermostatic Valve for Space Heating
- 4. Differential Pressure Valve
- 5. Diverter + Strainer
- 6. Zone Valve
- 7. Heat Meter
- 8. Water Meter
- 9. Circulation Pump for Space Heating
- 16. Check Valve
- 17. Control Box

## SCHEMATIC LAYOUT



- 1. DHW Heat Exchanger
- 2A. Thermostatic Valve For DHW
- 2B. Thermostatic Valve For Space Heating
- 4. Differential Pressure Valve
- 5. Diverter + Strainer
- 6. Zone Valve
- 7. Heat Meter
- 8. Water Meter
- 9. Circulation Pump For Space Heating
- 16. Check Valve
- 17. Control Box

## CAPACITIES / TECHNICAL INFORMATIONS

TYPE	Domestic Hot Water			Supply Temperatures		Supply Flow Rate	
	Heat Transfer Capacity (kW)	Flow (l/min)	Temperature (°C)	65°C Primary Inlet	80°C Primary Inlet	65°C Primary Inlet	80°C Primary Inlet
				Inlet/Outlet (°C)	Inlet/Outlet (°C)	l/min	l/min
ThermoHexa - UFH	33	13,5	45	65/21,7	80/17,72	11,2	7,8
		12	50	65/25,45	80/19,86	12,4	8,2
	50	20,6	45	65/22,8	80/18,64	17,5	12,1
		18	50	65/26,56	80/20,79	19,2	12,5
	65	26,6	45	65/22,11	80/18,05	22,2	15,5
		23,3	50	65/25,79	80/20,13	19	13,4
	80	33	45	65/21,47	80/17,52	27,1	19,1
		28,7	50	65/24,99	80/19,46	29,3	19,5