

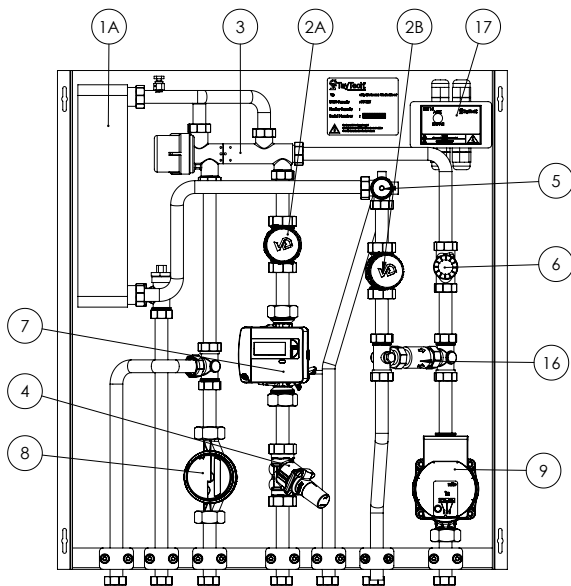


## HYDROHEXA-UFH

### FUNCTIONAL DESCRIPTION

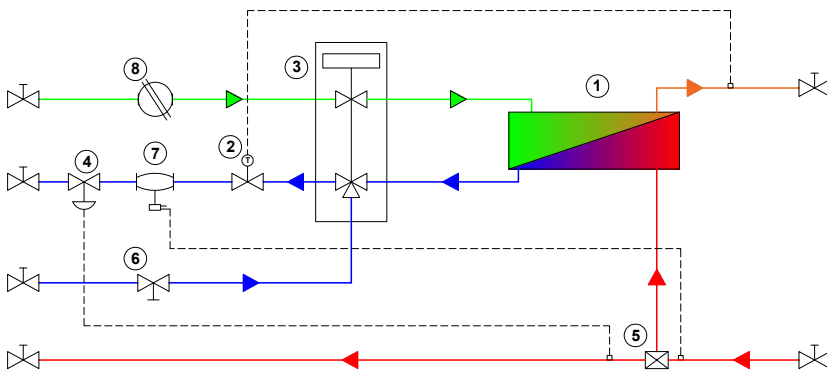
HydroHexa **underfloor heating** is used to prepare the domestic hot water and balancing at the primary side. It can work for extended period of time without accumulating calcification because the heat exchanger is able to remain cold by itself. HydroHexa has proportional hydraulic controller to get the maximum efficiency and has the priority of generating hot water. It provides low return temperatures at the primary side. It is suitable for usage with condensing boilers. Material of heat exchanger and pipes are AISI 316 quality stainless steel and HIU can work efficiently in conjunction with aluminum radiators. HydroHexa **underfloor heating** have differential pressure valve, hydraulic controller and zone valve that are working together towards obtaining perfect balance in the system. It has an extra thermostatic control valve to maintain control at the underfloor heating side. It includes a mixing circuit in order to obtain stable temperature at the 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
3. Proportional Hydraulic Controller
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
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## 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
HydroHexa 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