

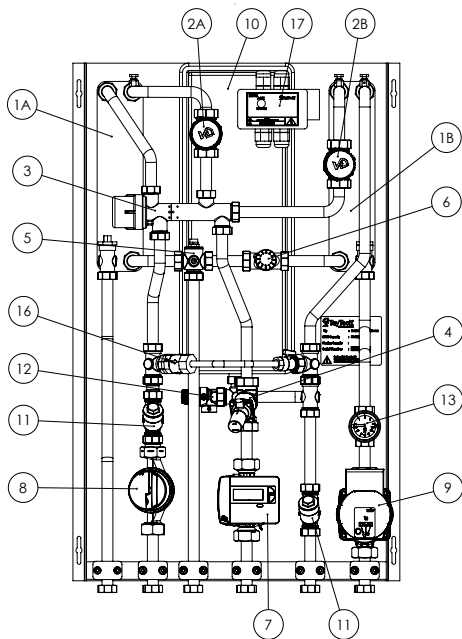


## HYDROHEXA

### FUNCTIONAL DESCRIPTION

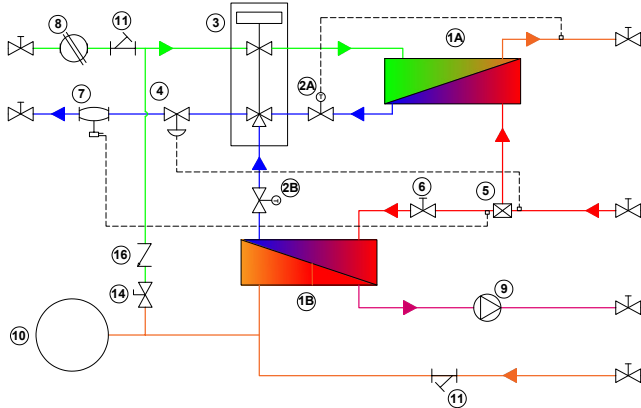
HydroHexa is used to prepare the domestic hot water and balancing at the primary side. It can work for extended period of time without accumulation of calcification because the heat exchanger is able to remain cold by itself. HydroHexa has proportional hydraulic controller to get the maximum efficiency 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 have differential pressure valve, hydraulic controller and zone valve that are working together towards obtaining perfect balance in the system. It is used in buildings with central heating system to prepare domestic hot water and individualizing the heating feature for each user. It acts as a pressure breaker in tall buildings therefore eliminating the requirement for a zoning area. It circulates the heat in to a closed loop by using a secondary heating exchanger right next to the domestic hot water exchanger. An outdoor compensation control can be added optionally in central heating system installed buildings.

## COMPONENTS



- 1A. Domestic Hot Water Heat Exchanger
- 1B. Space Heating 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
- 10. Expansion Vessel
- 11. Strainer for Water Inlet
- 12. Safety Valve
- 13. Thermo-manometer
- 16. Check Valve
- 17. Control Box

## SCHEMATIC LAYOUT



- 1A. DHW Heat Exchanger
- 1B. Space Heating Heat Exchanger
- 2A. Thermostatic Valve For DHW
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## CAPACITIES / TECHNICAL INFORMATIONS

TYPE	Domestic Hot Water			Space Heating Capacity (kW)	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
Indirect HydroHexa	33	13,5	45	10	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	20	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	25	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	25	65/21,47	80/17,52	27,1	19,1
		28,7	50		65/24,99	80/19,46	29,3	19,5