

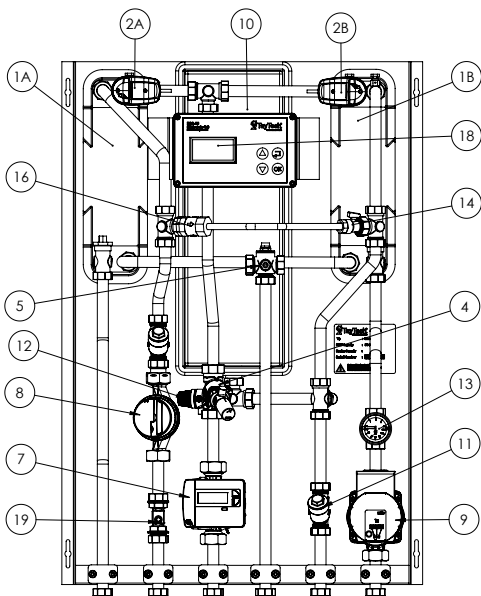


SMARTHEXA

FUNCTIONAL DESCRIPTION

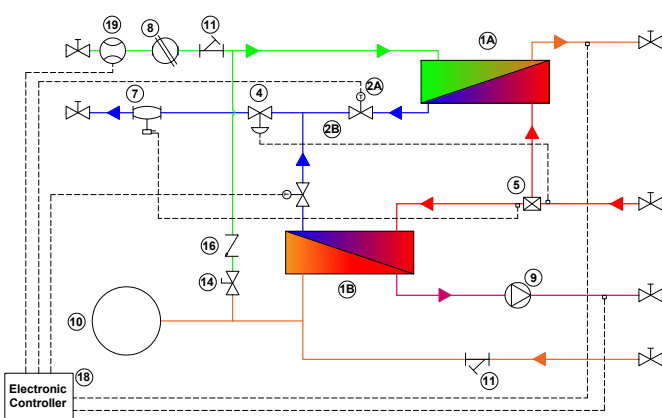
SmartHexa is used to prepare the domestic hot water and balancing the primary side. It can work for extended period of time without accumulation of calcification because the heat exchanger is able to remain cold by itself. SmartHexa has electronic controller in order to maintain maximum efficiency and has the priority of generating hot water. SmartHexa measures temperatures, pressures and flow values from many different points throughout the unit. Thus, SmartHexa is developed to save energy while working at time. SmartHexa can send the measured data to the end user via GSM or Ethernet. 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. 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. Stepper Valve for DHW
- 2B. Stepper Valve for Space Heating
- 4. Differential Pressure Valve
- 5. Diverter + Strainer
- 7. Heat Meter
- 8. Water Meter
- 9. Circulation Pump for Space Heating
- 10. Expansion Vessel
- 11. Strainer for SH and Water Inlet
- 12. Safety Valve
- 13. Thermo-manometer
- 14. Mini Ball Valve
- 16. Check Valve
- 18. Electronic Controller
- 19. Flow Sensor

SCHEMATIC LAYOUT



- 1A. DHW Heat Exchanger
- 1B. Space Heating Exchanger
- 2A. Thermostatic Valve For DHW
- 2B. Thermostatic Valve For Space Heating
- 4. Differential Pressure Valve
- 5. Diverter + Strainer
- 7. Heat Meter
- 8. Water Meter
- 9. Circulation Pump For Space Heating
- 10. Expansion Vessel
- 11. Strainer For Space Heating And Water Inlet
- 12. Safety Valve
- 13. Thermo-Manometer
- 14. Mini Ball Valve
- 16. Check Valve
- 18. Electronic Controller
- 19. Flow Sensor

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
Indricet SmarHexa	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	