

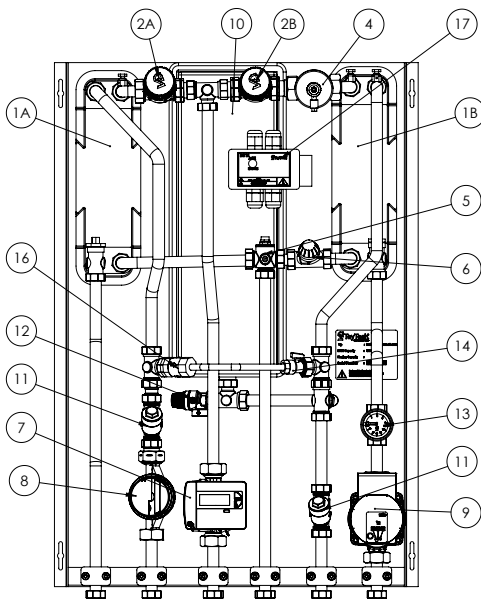


## THERMOHEXA

### FUNCTIONAL DESCRIPTION

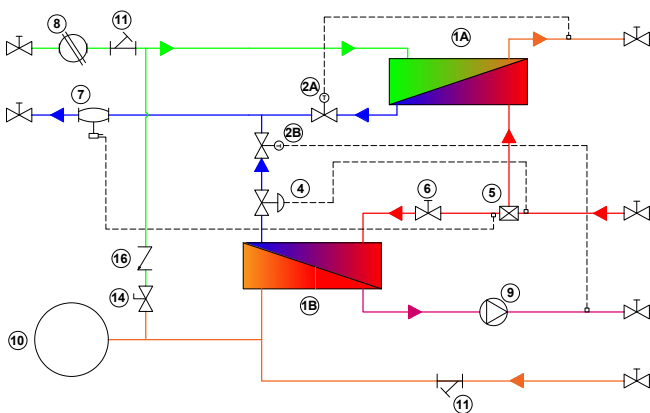
ThermoHexa is used to prepare the domestic hot water and balancing at the primary side. It has a very fast responding thermostatic valve so that the energy losses are at minimum. EPP insulation is implemented for minimizing the heat loss on the heat exchanger. Its compact design enables the user to make 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 is used to prepare domestic hot water and individualizing the heating, in building with central heating system. 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
- 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 Exchanger
- 2A. Thermostatic Valve For DHW
- 2B. Thermostatic Valve For Space Heating
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## CAPACITIES / TECHNICAL INFORMATIONS

| TYPE                | Domestic Hot Water          |              |                  | Space Heating<br>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 ThermoHexa | 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               |