1) PIPING CH IS ROUTED FROM MANIFOLD TO RADIATORS
2) PIPING IN THE FLOOR:
3) TEMPERATURE GRADIENT 70 / 50 °C
4) PIPELINE BETWEEN THE FIRE SECTIONS WILL BE EQUIPPED WITH...
HEAT EXCHANGER STATION PROVIDED BY THE HEAT SUPPLIER

FUNCTION PATTERN OF MANIFOLD FOR HEATING AND DHW

- MANIFOLD FOR HEATING WATER
- HB 1 - HEATING BRANCH FOR HEATING
  Qh = 120 kW
  Qh = 1.91Wh
- HB 2 - HEATING BRANCH FOR HOT WATER
  Qh = 45 kW
  Qh = 1.91Wh

- THREE-WAY MIXING VALVE
- 2x DN80
- 2x DN40

- ELECTRONIC HEAT CONSUMPTION METER
- BALL VALVE
- BALL DUMP AND FILLING VALVE
- AUTOMATIC BLEEDING VALVE
- THERMOMETER
- AXIALLY COMPENSATOR
- FIRE PROTECTOR
- DIRECT FILTER
- BACKFLOW PREVENTER
- BALANCING VALVE - MEASURING PRESSURE, FLOW AND TEMPERATURE
- STEEL PIPES, PIPE INSULATION IN STRUCTURES
  - Foam Polyethylene Sleeve Insulation
  - PE-Xa Pipes, Insulation of Piping Leaded Freely
  - Mineral Insulation with Aluminum Foil

LEGEND OF MATERIALS

- STEEL PIPELINES, PIPE INSULATION IN STRUCTURES
- PE-Xa, ins
- CIRCULATION PUMP WITH ELECTRICAL SPEED REGULATION
- THREE-WAY MIXING VALVE
- ELECTRONIC HEAT CONSUMPTION METER

HB 1 - HEATING BRANCH FOR HEATING
HB 2 - HEATING BRANCH FOR HOT WATER
Q = 15 006 W; 516 kg/h
70/50°C

Q = 15 006 W; 516 kg/h
70/50°C

- CENTRAL HEAT SUPPLY - SUPPLY
- CENTRAL HEAT SUPPLY - RETURN
- STOREY MANIFOLD
- NUMBER OF MANIFOLD (NUMBER OF CIRCUITS)
- POWER / FLOW
- TEMPERATURE GRADIENT
- FLANGE SHUT-OFF VALVE
- AUTOMATIC FLOW REGULATOR
- DIFFERENTIAL PRESSURE REGULATOR
- ELECTRONIC HEAT CONSUMPTION METER
- BALL VALVE
- BALL DUMP AND FILLING VALVE
- AUTOMATIC BLEEDING VALVE
- THERMOMETER
- AXIALLY COMPENSATOR
- FIRE PROTECTOR
- DIRECT FILTER
- BACKFLOW PREVENTER
- BALANCING VALVE - MEASURING PRESSURE, FLOW AND TEMPERATURE
- STEEL PIPES, PIPE INSULATION IN STRUCTURES
  - Foam Polyethylene Sleeve Insulation
  - PE-Xa Pipes, Insulation of Piping Leaded Freely
  - Mineral Insulation with Aluminum Foil

MEMBRANE EXPANSION VESSEL VOLUME 120 l

CIRCULATION PUMP WITH ELECTRICAL SPEED REGULATION
THREE-WAY MIXING VALVE
ELECTRONIC HEAT CONSUMPTION METER

HB 1 - HEATING BRANCH FOR HEATING
HB 2 - HEATING BRANCH FOR HOT WATER
Q = 1197 kW; m = 5.2 m³/h

HB 2 - HEATING BRANCH FOR HOT WATER
Q = 40 kW; m = 1.91 m³/h