

Kombimix

Compact pump group for more efficiency on construction sites



- For direct or mixed heating circuit
- Easy and space-saving assembly
- Optimized dimensions
- switchable manifold (Bypass)



The solution for professionals

meibes

Compact pump group „Kombimix“

Product:

The compact unit „Kombimix“ is designed for two different or identical heating circuits (UK /MK). A hydraulically adjustable manifold (switchable between standard and differential pressure arm) is integrated. Connectors for temperature sensors are located on both the supply line and the distributor. More products complete the compact unit: two sensor immersion sleeves in manifold and supply line ball valve, two thermometer on ball valve as handle component in supply and return lines. A backflow preventer is installed in each supply line. As an optional extra, a third heating circuit can be connecting (e.g.) for heating trinkwater storage tank.

DN	: 20
Output per heating circuit (MK/UK)	: up to 24 kW ($\Delta T=10\text{ K}$) / up to 51 kW ($\Delta T = 20\text{ K}$)
To heating circuits	: Connections 3/4" inner thread; axial distance 90 mm
To boiler	: Connections 1" external thread; axial distance 270 mm
Dimensions of EPP insulation	: (HxWxD) 460 x 410 x 260 mm
Pump	: DN 20; 130 mm installation length
Components	: out of steel, brass
Temperature indicator	: 0 to 120°C
Operating temperature	: up to 80°C
Operating pressure	: PN 6
Sealing materials	: PTFE, asbestos-free fibre sealant, EPDM



“Assembly time and costs are minimized by using the „Kombimix“!

More benefits:

- **One joint manifold for mixed or direct (unmixed) heating circuit**
- **Completely assembled and checked pump group**
- **Sensor immersion sleeve in manifold and in supply line ball valve**
- **Various configurations are possible (2 UK, UK/MK or 2 MK; Grundfos or Wilo pump, with/without servo motor)**
- **adjustable manifold (switchable between standard and differential pressure arm) *s. Fig. right)**
- **Thermally insulated with EPP design-insulation**
- **Possible connecting from a third heating circuit (e.g.) for supplying the domestic water heater (Storage charge set for boiler optional)**

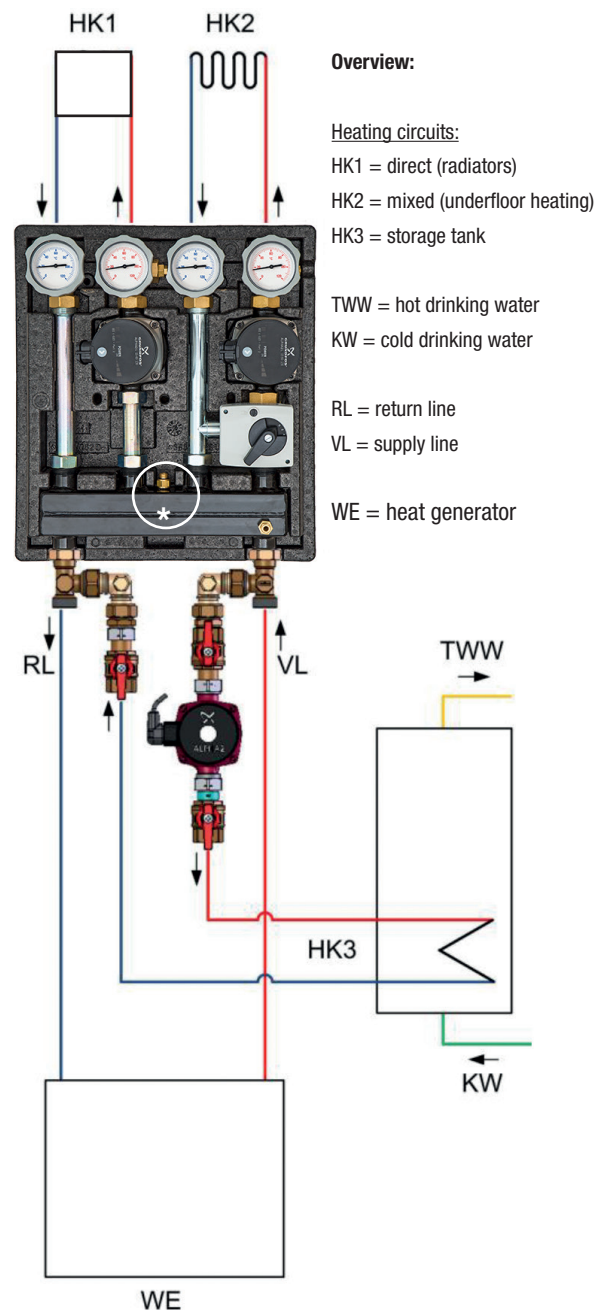
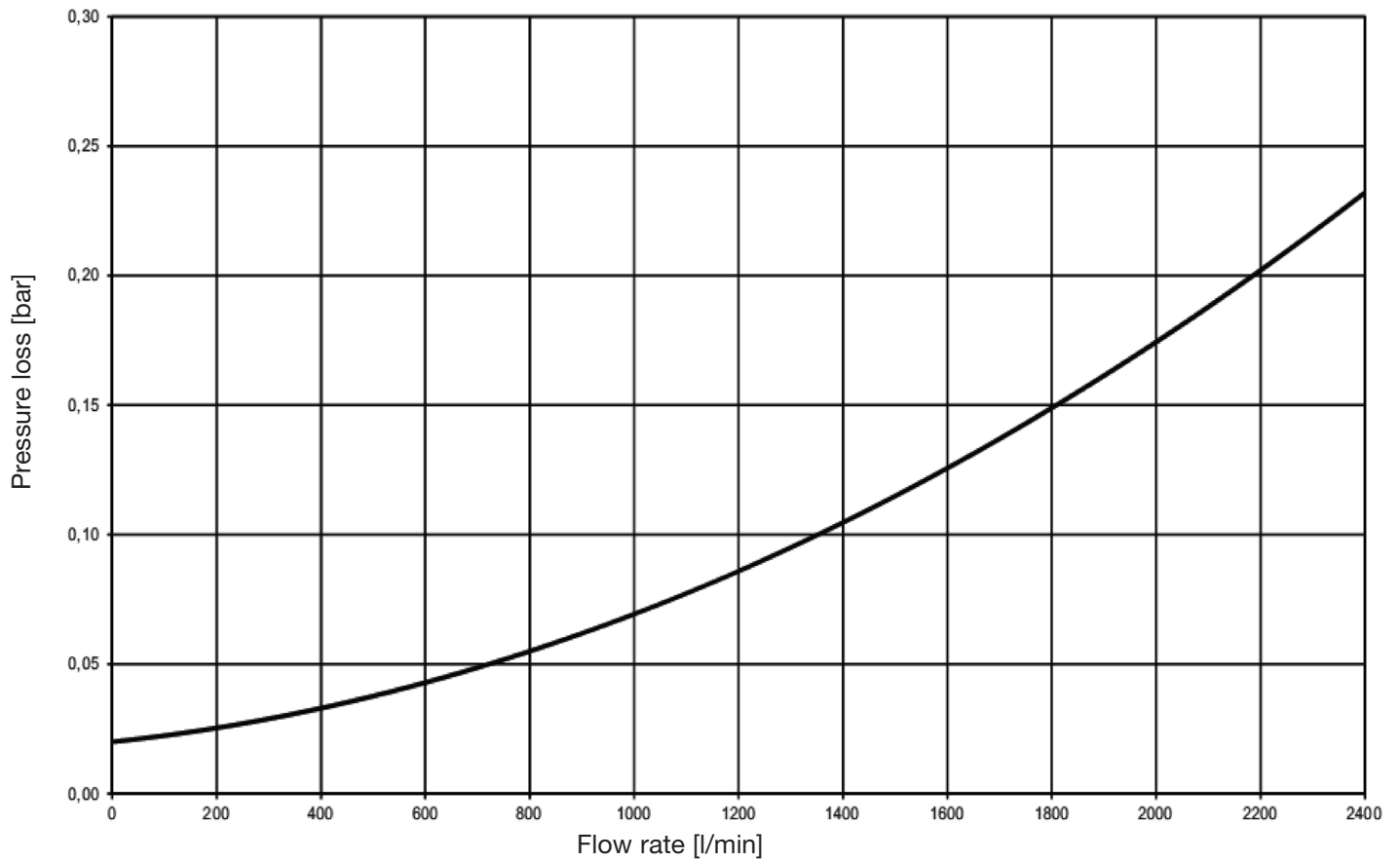


Fig.: Pump group „Kombimix“ UK / MK combined with storage charge set for boiler

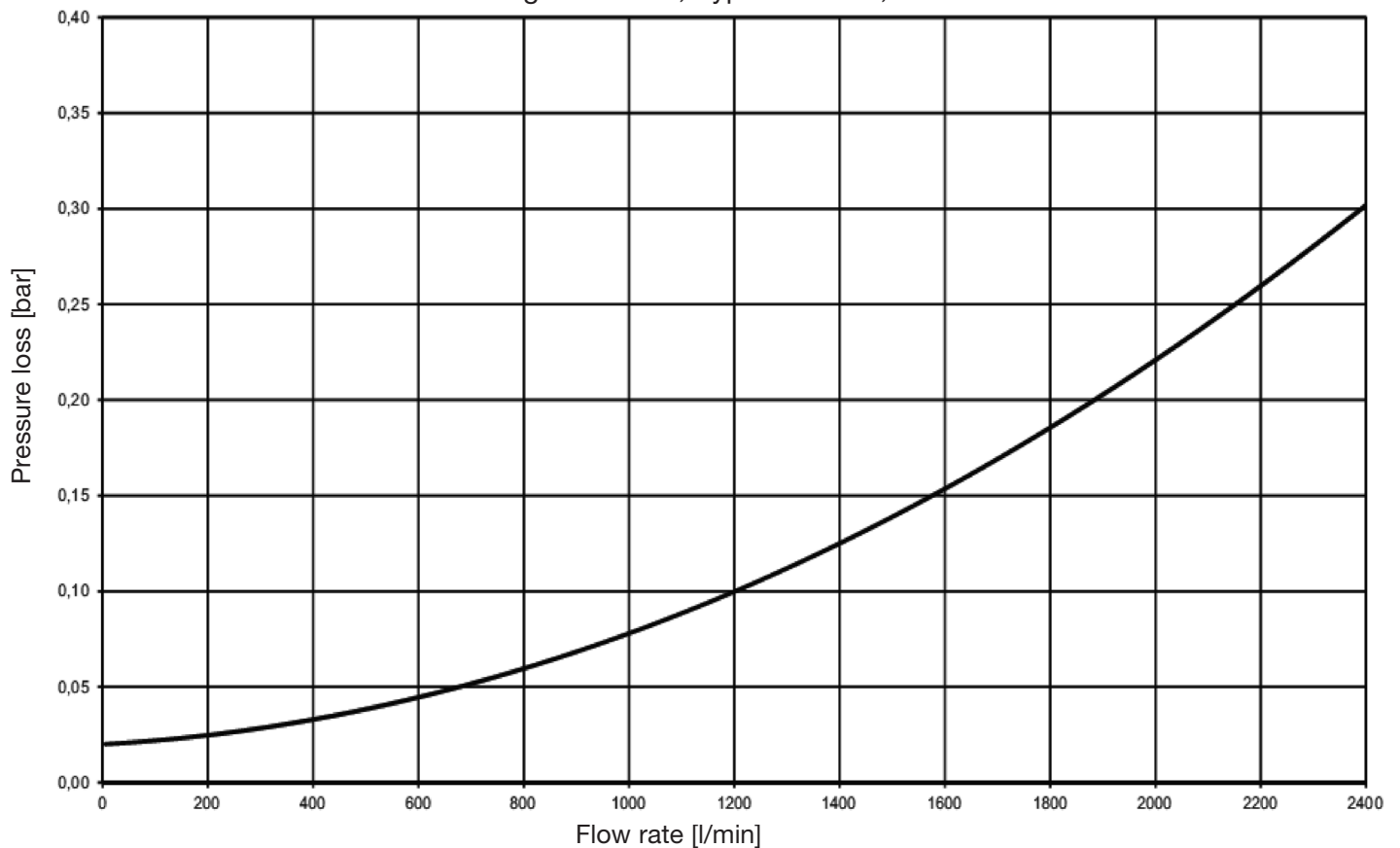
Compact pump group „Kombimix“

Graph for flow and pressure loss:

UK including distributor; bypass closed

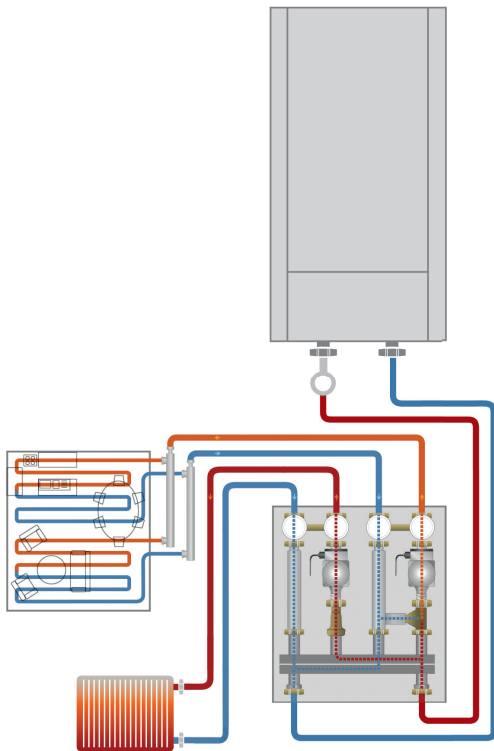


MK including distributor; bypass closed, mixer channel

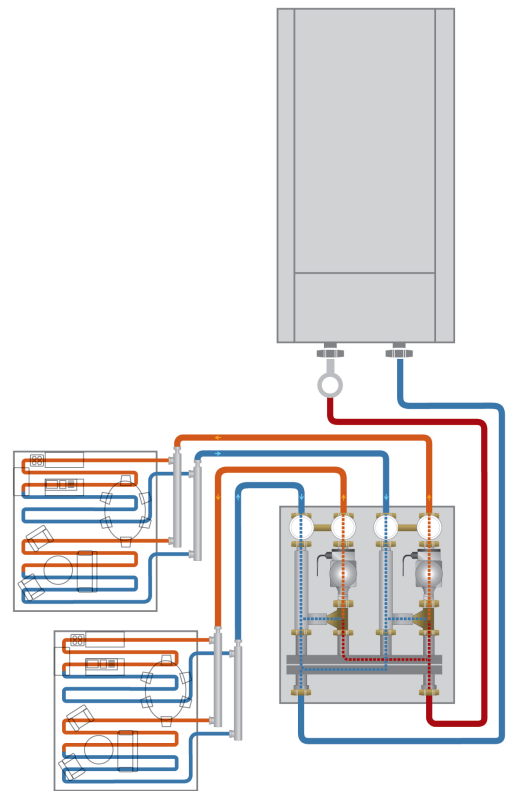


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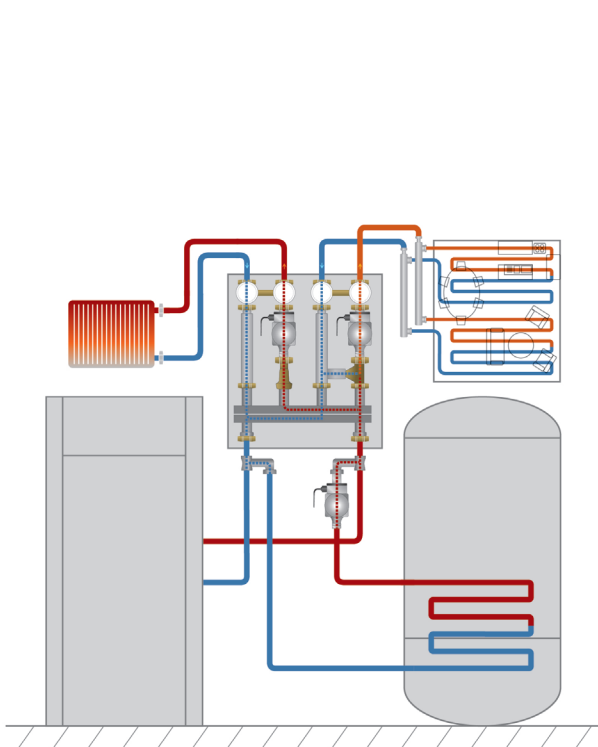
Application examples:



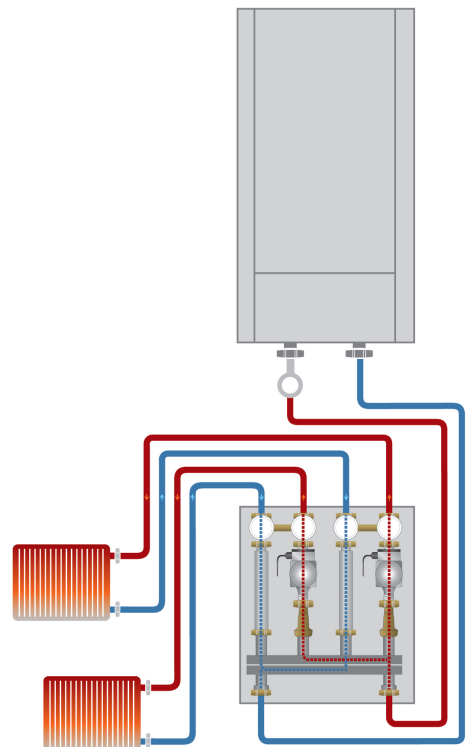
mixed / direct heating circuit



mixed / mixed heating circuit



mixed / direct heating circuit + third direct heating circuit for heating of domestic drinking water



direct / direct heating circuit