**ISO 9001**

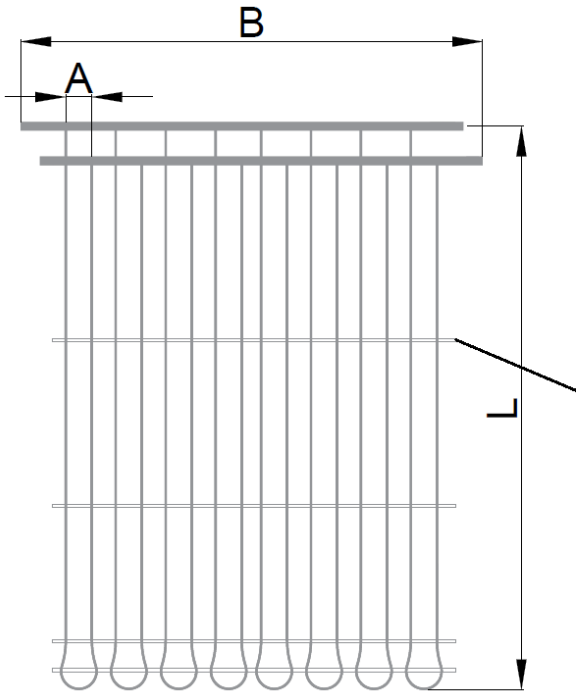
# Capillary tube mat SB 20

Technical data:

| | |
|---|---|
| Material: | PP-R (Polypropylene Random Copolymer) |
| ø Main pipe: | 20 x 2 mm |
| ø Capillary pipe: | **4.3 x 0.8 mm** |
| Distance between capillaries: | **20 mm** |
| Length: | 600 – 6000 mm (with steps 10 mm) |
| Width: | 150 – 1000 mm (with steps 20 mm) |
| Water capacity in capillaries: | **0.37 l/m2** |
| Weight of capillary mat with water: | **740 g/m2 (**without main pipes) |
| Color: | green, light grey, neutral white |
| Maximum temperature in the system: | + 70 ° C |
| Optimal input temperature for heating: | + 28-32 ° C |
| Optimal input temperature for cooling: | + 16-18 ° C |
| Optimal pressure in the system: | 2-3 bar |
| Test pressure in factory: | 20 bar |
| **Cooling capacity:** | **84 W/m2** |

**(**with ΔT10K - the difference between the required room temperature and the mean water temperature in the system; ΔT2K- the difference between input and output water temperature in the system)

Final finish material: Plaster KNAUF MP75 10-15mm – for ceiling, wall installation
Self leveling compound, screed (Estrich) or concrete for floor heating




A - distance between capillaries - 20 mm;
B - main pipes PP-R d20 x 2 mm, PN10;
L - length of capillary mat.

connecting fastener for capillaries

## Advantages of capillary tube mat SB20:

- high mechanical strength against damages (because the capillaries are thicker (4.3 x 0.8 mm) which means higher safety);
- high cooling/heating load W/m2;
- significantly lower pressure drop.