

capillary mats INFRACLIMA for your health, thermal comfort and independence

developed for year round thermal comfort and healthy indoor environment in all types of buildings
100% replacement of common heating and cooling systems.

integrated in inner layer of building structures

floor/ wall/ ceiling installation in thin layer(<10mm) of gypsum plaster, in anhydrid/cement floor screed in floor alt. in self leveling screed layer

possibility of dry installation on the top of gypsum board ceilings and walls (find more in the technological manual for each variant of installation)

optimized for your project

length of capillary mats is optional in capillary mat type dimension range
(out of dimension range on request)

infraclima capillary mats types:

capillary mat material:
available temperature range*:
connection:

main pipe dimension:
capillary pipe dimension:
capillary pipes axial distance:
capillary mat width:
capillary mat length:
capillary mat weight:
specific water volume:
specific thermal transfer surface:
specific heating power**:
specific cooling power**:
suitable application:

order code (example):

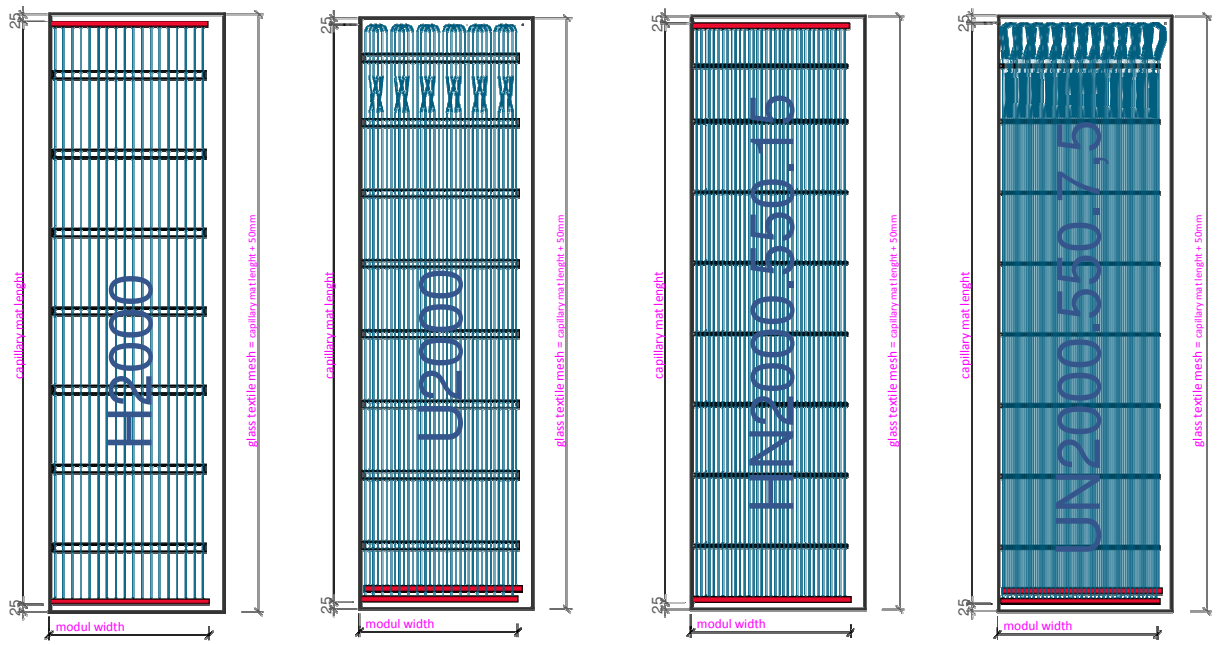
	type H	type U	type HN	type UN
capillary mat material:	polypropylen PPR type 3	polypropylen PPR type 3	polypropylen PPR type 3	polypropylen PPR type 3
available temperature range*:	10-38,5°C	10-38,5°C	10-38,5°C	10-38,5°C
connection:	polyfusion welding	polyfusion welding	polyfusion welding	polyfusion welding
main pipe dimension:	DN20x2.0mm (PN10):	DN20x2.0mm (PN10):	DN20x2.0mm (PN10):	DN20x2.0mm (PN10):
capillary pipe dimension:	3.45x0,55mm:	3.45x0,55mm:	4.35x0,65mm:	4.35x0,65mm:
capillary pipes axial distance:	30mm	15mm	15/ 30mm	7,5/ 15mm
capillary mat width:	985mm	985mm	985mm	985mm
capillary mat length:	600-2800mm (step by 50mm)	600-2800mm (step by 50mm)	2800 -5000mm (step by 50mm)	2800-5000mm (step by 50mm)
capillary mat weight:	250g/m ² (bez vody)	400g/m ²	560/ 325 g/m ²	1000/ 560 g/m ²
specific water volume:	0,345l/m ²	0,492l/m ²	0,691 / 0,442 l/m ²	1,173/ 0,691 l/m ²
specific thermal transfer surface:	0,36m ² /m ²	0,73m ² /m ²	0,916/ 0,451 m ² /m ²	1,820/ 0,916 m ² /m ²
specific heating power**:	85W/m ²	85W/m ²	90W/m ²	90W/m ²
specific cooling power**:	75W/m ²	75W/m ²	80W/m ²	80W/m ²
suitable application:	floor, walls, ceilings gypsum plaster, floor screed	floor, walls, ceilings gypsum plaster, floor screed	floor, walls, ceilings gypsum plaster, floor screed	floor, walls, ceilings top of gypsum boards, floor screeds
order code (example):	H2500 (capillary mat total length 2500mm)	U1900 (capillary mat total length 1900mm)	HN3500.985.15 (capillary mat total length 3500mm, width 985mm, CP axial distance 15mm)	UN3800.985.7,5 (capillary mat total length 3800mm, width 985mm, CP axial distance 7,5mm)

*dew point protection accessories must be installed in applications with temperature of water below 17,5°C
**specific heating and cooling power depends on the temperature of water, installation type and other conditions

for special application you can use our SW, (available on request)

max.heating and cooling power is reached by gypsum plaster alt. self levelig floor screed installation

10 **100**
warranty **year**
lifetime



original accessories:
fully equipped distributor set 2-120



dismountable joint 20x3/4"EK



thin wall PPR elbow DN20



shortened socket DN20 clip socket DN20



compatible with std PPR DN20 fittings