

BEKA Capillary Tube Mats At all times the right choice

BEKA PN20 capillary tube mats are used as heating and cooling mats in cooling ceilings and concealed panel heating systems with special pressure loads.

These capillary tube mats with the PN20 pressure rating open up new areas of use in the high-pressure sector.

The BEKA PN20 capillary tube mat, with its higher compression resistance, was developed especially for use in high-temperature engineering systems, for industrial use and for systems continuously loaded with hot water.

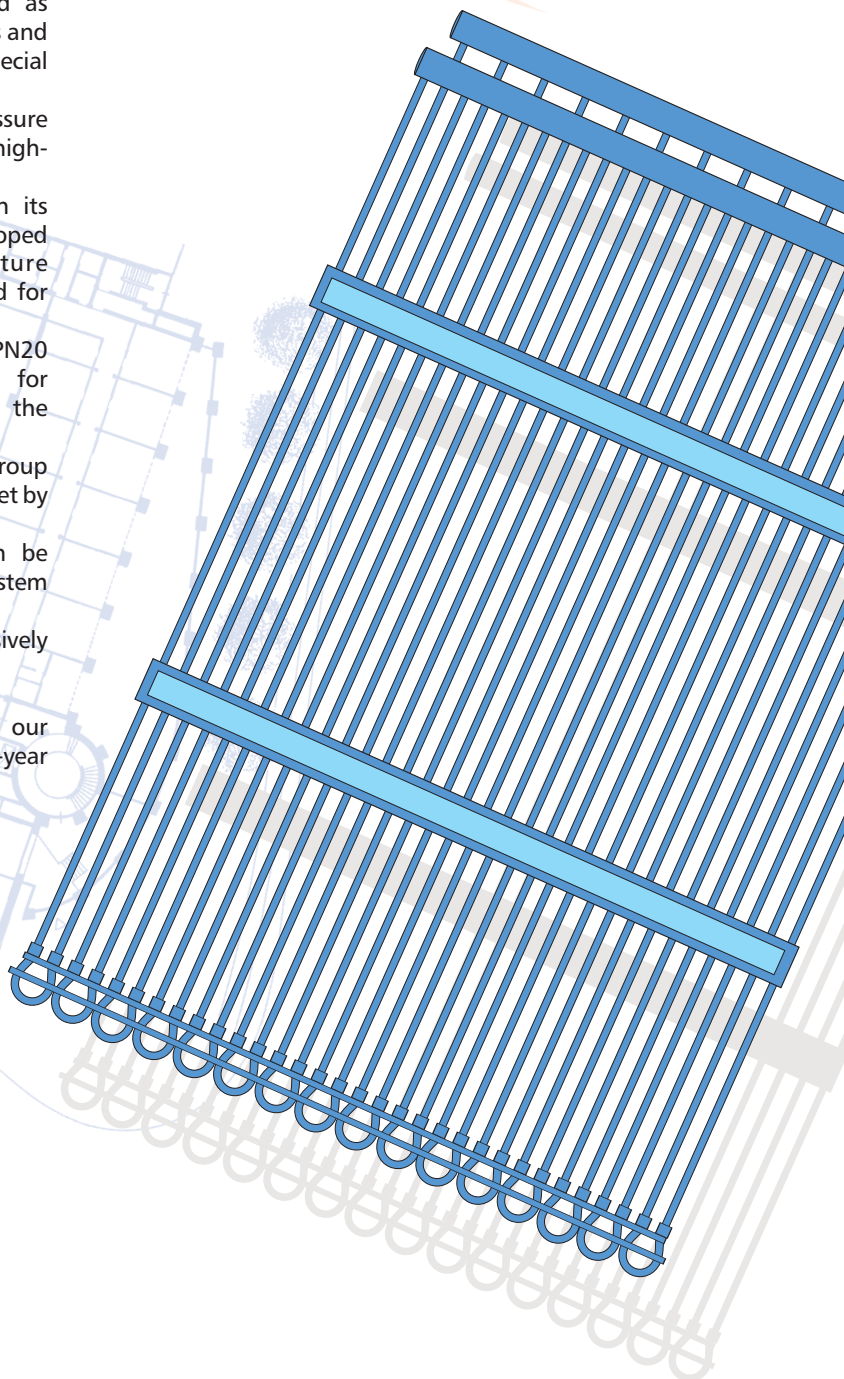
Thanks to its higher overall stability, the PN20 capillary tube mat is particularly suited for rugged use in construction, such as the installation of floor heating.

The wide variety of the PN20 product group ensures that all your requirements can be met by selecting the optimal capillary tube mat.

The PN20 BEKA capillary tube mats can be connected to each other and to the water system by means of thermal welding.

As in all BEKA products, we use exclusively Polypropylene Random Copolymer type 3, DIN 8078.

The uniformly high quality is ensured by our 100% quality in-spection as well as a 15-year warranty on all BEKA products.

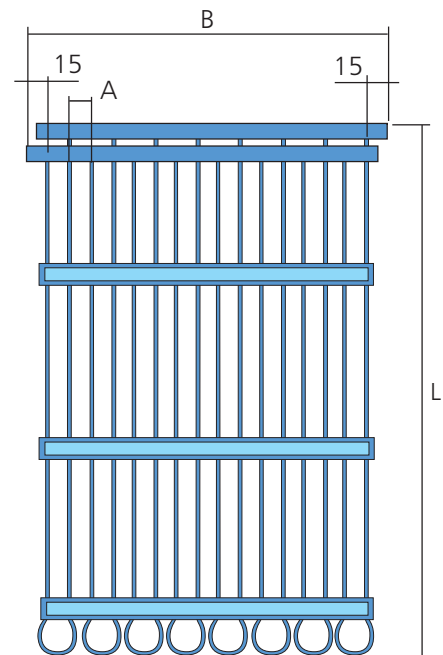


15 years
warranty



PVS20 *BEKA Capillary Tube Mat for pressure PN20*

Material	Polypropylene Random Copolymer Type 3, DIN 8078
Ø Collector pipe	20 × 3,4 mm
Ø Capillary tube	4,5 × 0,8 mm
Capillary tube distance (A)	20 mm
Length (L)	750 - 6000 mm (in steps of 10 mm)
Width (B)	260 - 1180 mm (in steps of 40 mm)
Massis filled	719 g/m ² (without collector)
Exchange surface	0,68 m ² /m ²
Water contents	0,32 l/m ²
Cooling capacity *	80 W/m ²
Allow. heating water temp.	80°C
Operating pressure	max. 20 bar
Connection variation with quick-action couplings	00, without connections
Operation area	Plaster ceiling Floor heating Surface heating in screeding



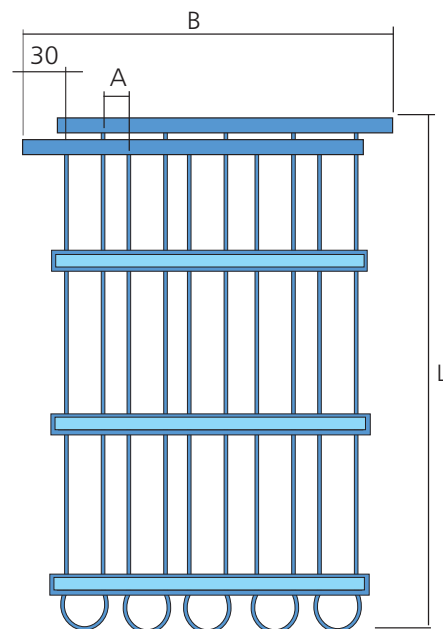
* Capacity is reached at defined conditions
 Other collector pipe dimensions (20x2 PN10 or 22x2,1)
 for BEKA plug-in systems are available per your inquiry.

Ordering example:

BEKA Capillary tube mat type PVS20, length 2500mm width 700mm, without connections: [PVS20.2500.0700.00](#)

PVS30 *BEKA Capillary Tube Mat for pressure PN20*

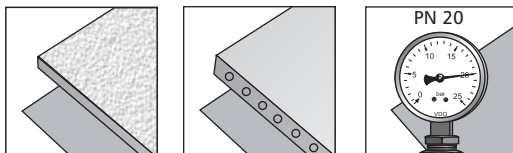
Material	Polypropylene Random Copolymer Type 3, DIN 8078
Ø Collector pipe	20 × 3,4 mm
Ø Capillary tube	4,5 × 0,8 mm
Capillary tube distance (A)	30 mm
Length (L)	750 - 6000 mm (in steps of 10 mm)
Width (B)	450 - 1170 mm (in steps of von 60 mm)
Massis filled	479 g/m ² (without collector)
Exchange surface	0,45 m ² /m ²
Water contents	0,21 l/m ²
Cooling capacity *	80 W/m ²
Allow. heating water temp.	80°C
Operating pressure	max. 20 bar
Connection variation with quick-action couplings	00, without connections
Operation area	Floor heating in screeding Surface heating in concrete



* Capacity is reached at defined conditions
 Other collector pipe dimensions (20x2 PN10 or 22x2,1)
 for BEKA plug-in systems are available per your inquiry.

Ordering example:

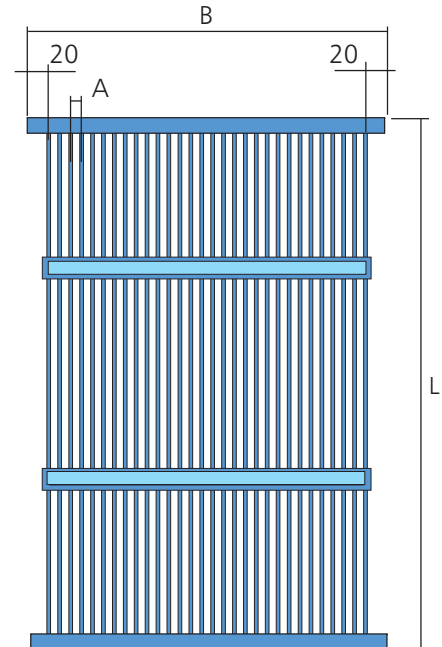
BEKA Capillary tube mat type PVS30, length 3000mm width 990mm, without connections: [PVS30.3000.0990.00](#)



Deviations of the illustration are possible.

P.VG10 **BEKA Capillary Tube Mat for pressure PN20**

Material	Polypropylene Random Copolymer Type 3, DIN 8078
Ø Collector pipe	20 × 3,4 mm
Ø Capillary tube	4,5 × 0,8 mm
Capillary tube distance (A)	10 mm
Length (L)	750 - 6000 mm (in steps of 10 mm)
Width (B)	410 - 1200 mm (in steps of 10 mm)
Massis filled	1438 g/m ² (without collector)
Exchange surface	1,357 m ² /m ²
Water contents	0,64 l/m ²
Cooling capacity *	80 W/m ²
Allow. heating water temp.	80°C
Operating pressure	max. 20 bar
Connection variation with quick-action couplings	00, without connections
Operation area	Earth absorber Surface heating in concrete



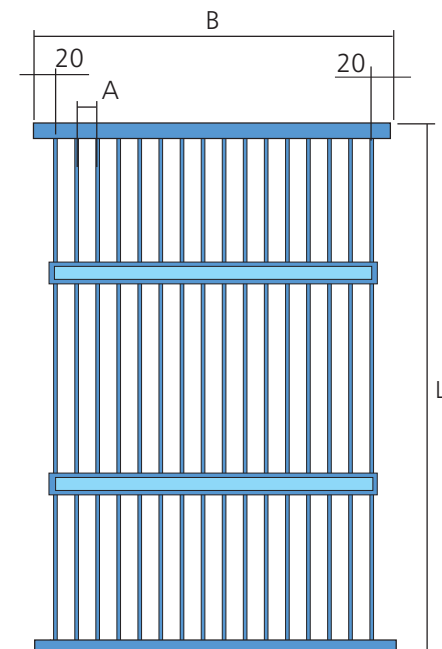
* Capacity is reached at defined conditions
 Other collector pipe dimensions (20x2 PN10 or 22x2,1)
 for BEKA plug-in systems are available per your inquiry.

Ordering example:

BEKA Capillary tube mat type P.VG10, length 6000mm width 1000mm, without connections: [P.VG10.6000.1000.00](#)

P.VG20 **BEKA Capillary Tube Mat for pressure PN20**

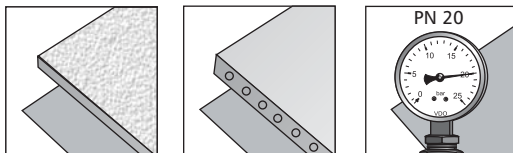
Material	Polypropylene Random Copolymer Type 3, DIN 8078
Ø Collector pipe	20 × 3,4 mm
Ø Capillary tube	4,5 × 0,8 mm
Capillary tube distance (A)	20 mm
Length (L)	750 - 6000 mm (in steps of 10 mm)
Width (B)	240 - 1200 mm (in steps of 20 mm)
Massis filled	719 g/m ² (without collector)
Exchange surface	0,678 m ²
Water contents	0,32 l/m ²
Cooling capacity *	80 W/m ²
Allow. heating water temp.	80°C
Operating pressure	max. 20 bar
Connection variation with quick-action couplings	00, without connections
Operation area	Plaster ceiling Floor heating Poured in concrete



* Capacity is reached at defined conditions
 Other collector pipe dimensions (20x2 PN10 or 22x2,1)
 for BEKA plug-in systems are available per your inquiry.

Ordering example:

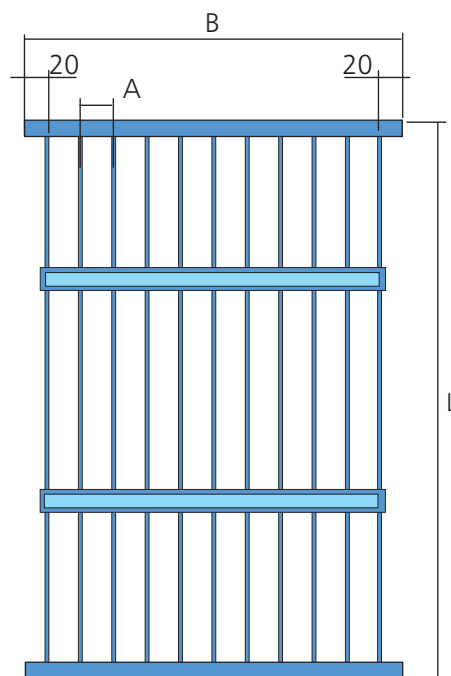
BEKA Capillary tube mat type P.VG20, length 5000mm width 980mm, without connections: [P.VG20.5000.0980.00](#)



Deviations of the illustration are possible.

P.VG30 **BEKA Capillary Tube Mat** for pressure PN20

Material	Polypropylene Random Copolymer Type 3, DIN 8078
Ø Collector pipe	20 × 3,4 mm
Ø Capillary tube	4,5 × 0,8 mm
Capillary tube distance (A)	30 mm
Length (L)	750 - 6000 mm (in steps of 10 mm)
Width (B)	460 - 1210 mm (in steps of 30 mm)
Massis filled	479 g/m ² (without collector)
Exchange surface	0,452 m ² /m ²
Water contents	0,211 l/m ²
Cooling capacity *	80 W/m ²
Allow. heating water temp.	80°C
Operating pressure	max. 20 bar
Connection variation with quick-action couplings	00, without connections
Operation area	Surface heating in screeding Poured in concrete

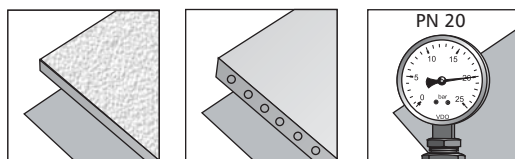


* Capacity is reached at defined conditions
 Other collector pipe dimensions (20x2 PN10 or 22x2,1)
 for BEKA plug-in systems are available per your inquiry.

Ordering example:

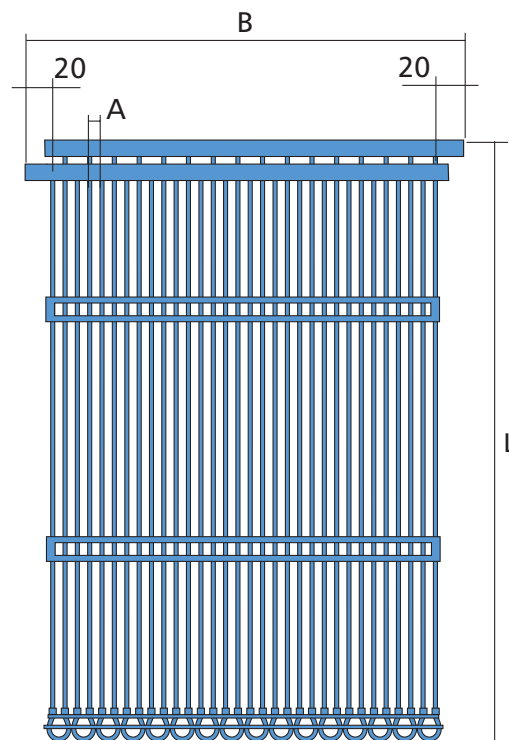
BEKA Capillary tube mat type P.VG30, length 5000mm width 940mm, without connections:

P.VG30.5000.0940.00



Deviations of the illustration are possible.

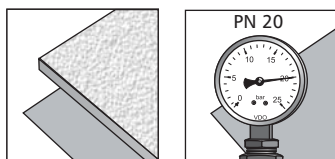
P.NS15		BEKA Capillary Tube Mat for pressure PN20
Material	Polypropylene Random Copolymer Type 3, DIN 8078	
Ø Collector pipe	20 × 3,4 mm	
Ø Capillary tube	3,35 × 0,7 mm	
Capillary tube distance (A)	15 mm	
Length (L)	750 - 6000 mm (in steps of 10 mm)	
Width (B)	205 - 1195 mm (in steps of 30 mm)	
Massis filled	543 g/m ² (without collector)	
Exchange surface	0,68 m ² /m ²	
Water contents	0,20 l/m ²	
Cooling capacity *	80 W/m ²	
Allow. heating water temp.	80°C	
Operating pressure	max. 20 bar	
Connection variation with quick-action couplings	00, without connections	
Operation area	Plaster ceiling Surface heating in plaster or in screeding	



* Capacity is reached at defined conditions
Other collector pipe dimensions (20x2 PN10 or 22x2,1) for BEKA plug-in systems are available per your inquiry.

Ordering example:
BEKA Capillary tube mat type P.NS15, length 4000mm width 985mm, without connections:
P.NS15.4000.0985.00

Other connection types are available per your inquiry



Deviations of the illustration are possible.

P.FS20 **BEKA Capillary Tube Mat** foil execution for floor heating

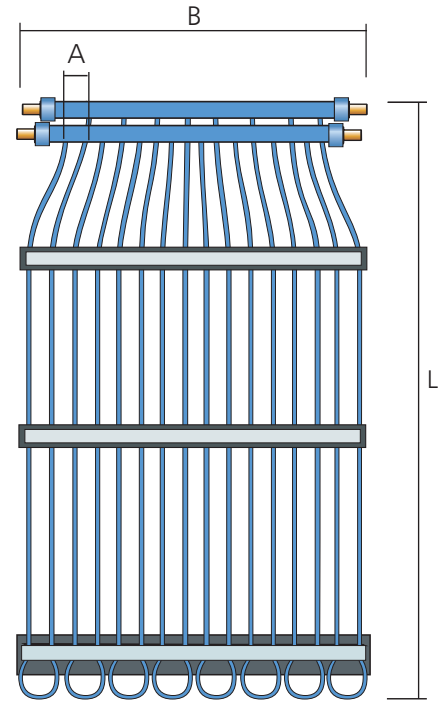
Material	Polypropylene Random Copolymer Type 3, DIN 8078
Ø Collector pipe	20 × 3,4 mm
Ø Capillary tube	4,5 × 0,8 mm
Capillary tube distance (A)	20 mm
Length (L)	1000 - 6000 mm (in steps of 200 mm)
Width (B)	300 or 600 mm
Massis filled	719 g/m ² (without collector)
Exchange surface	0,68 m ² /m ²
Water contents	0,32 l/ m ²
Cooling capacity *	80 W/m ²
Allow. heating water temp.	80°C
Operating pressure	max. 20 bar
Connection variation with quick-action couplings	4 Transitions for press and plug connection
Operation area	Floor heating

The BEKA foil mat arranged in the standard design with adhesive tape equipped for fastening of the mat at the floor

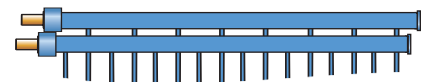
* Capacity is reached at defined conditions
Other executions with connections on one side, end caps or without connections are available per your inquiry.

Ordering example:

BEKA Capillary tube mat type P.FS20, length 5000mm width 600mm, 4 connections:
P.FS20.5000.0600.22

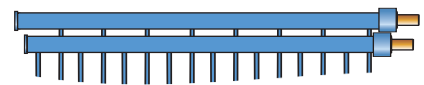


Connection type 22



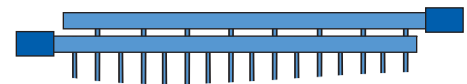
Connection type 20

Transition

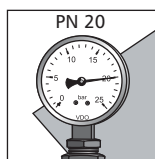
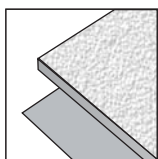


Connection type 02

Sleeve



Connection type 00



Deviations of the illustration are possible.