

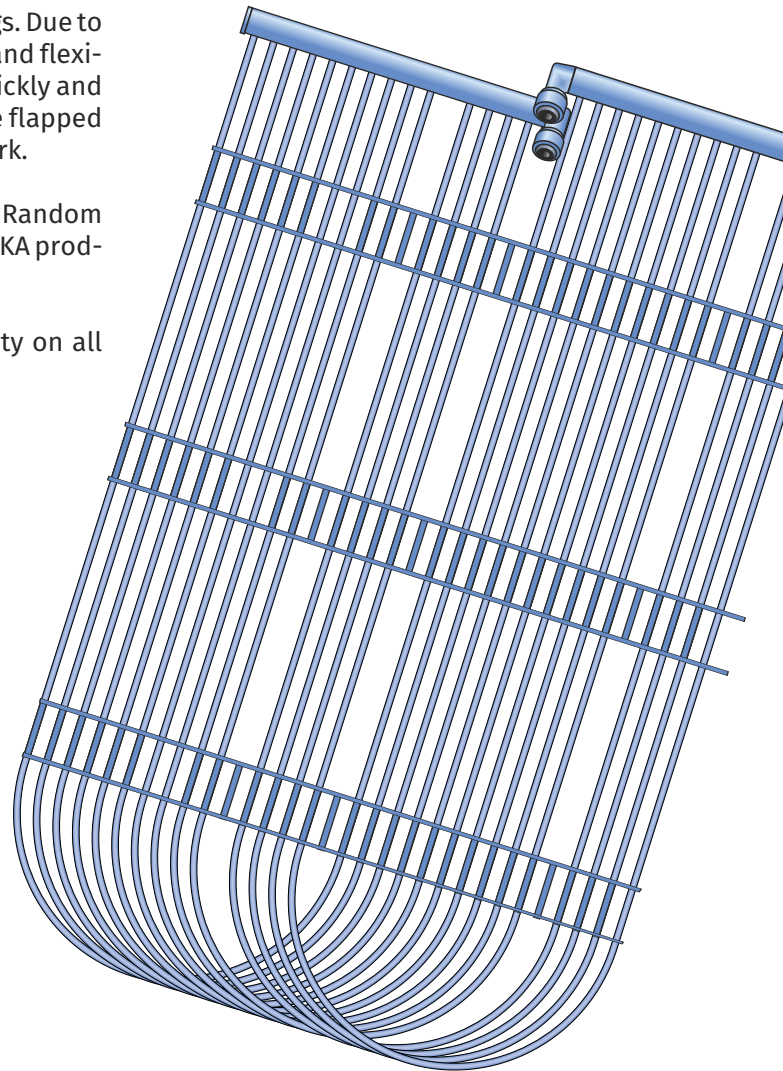
Versatile, flexible, safe: Capillary tube mats from BEKA

BEKA capillary tube mats are used as heating and cooling mats in cooling ceilings and surface heating systems. For each application there is the optimal suitable type of mat. The BEKA mats U10 and UM10 are ideally suited for the application in metal cassette ceilings. The BEKA mat type K.S15 has been specially designed for plaster ceilings. The BEKA mats Type G are suitable in particular for applications on plasterboard and for many special applications, e.g. in concrete.

All BEKA mats can be connected to each other and the water system either by welding or by quick action couplings. Due to the connecting system with quick action couplings and flexible hoses, all installation work can be carried out quickly and safely. With metal ceilings, the ceiling panels can be flapped down at any time for maintenance or installation work.

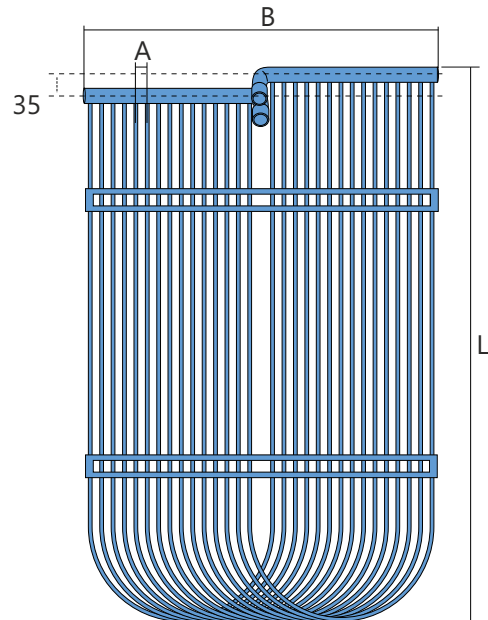
As material for the BEKA mats only Polypropylene Random Copolymer Type 3, DIN 8078 is used. Therefore, all BEKA products can be welded to each other easily.

A 100% quality control as well as a 15 year warranty on all BEKA products ensure the constant high quality.



K.U10 | BEKA Capillary Tube Mat

| | |
|---|---|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| Ø Collector pipe Ø Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm |
| Length (L) | 600 - 2000 mm (in steps of 10 mm) (standard lengths in steps of 50 mm) |
| Width (B) | 160 - 1200 mm (in steps of 20 mm) |
| Massis filled Exchange surface Water contents | 824 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² |
| Cooling capacity* Allowed heating water temperatur Operating pressure | 83 W/m ² 60°C 4 bar |
| Connecting variation with quick-action couplings | 11, connections middle |
| Operation area | Metal panel ceiling |



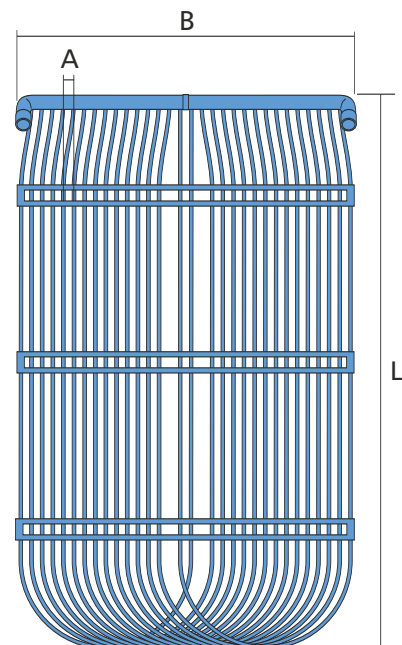
Ordering example:

BEKA Capillary tube mat type K.U10, length 1350mm width 440mm, 2 connections:
K.U10.1350.0440.11

*Capacity achieved under defined conditions

K.UM10 | BEKA Capillary Tube Mat

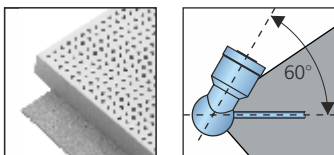
| | |
|---|---|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| Ø Collector pipe Ø Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm |
| Length (L) | 600 - 2000 mm (in steps of 10 mm) (standard lengths in steps of 50 mm) |
| Width (B) | 160 - 1200 mm (in steps of 20 mm) |
| Massis filled Exchange surface Water contents | 824 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² |
| Cooling capacity* Allow. heating water temp. Operating pressure | 83 W/m ² 60°C 4 bar |
| Connecting variation with quick-action couplings | 11, connections outside |
| Operation area | Metal panel ceiling |



Ordering example:

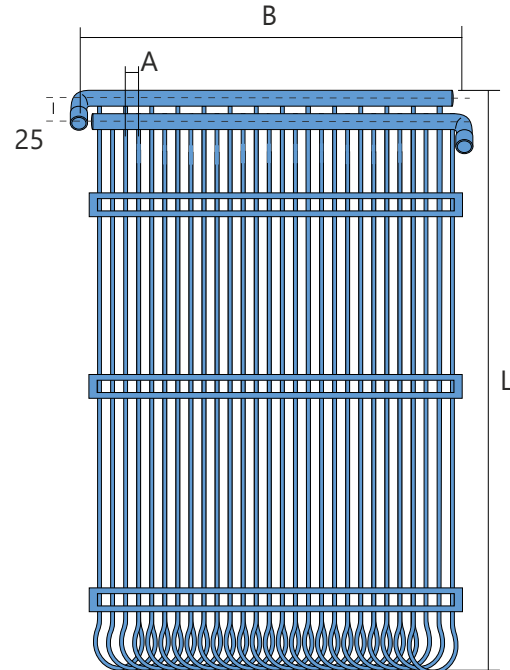
BEKA Capillary tube mat type K.UM10, length 1450mm width 340mm, 2 connections:
K.UM10.1450.0340.11

*Capacity achieved under defined conditions



K.S10. .11/20 | BEKA Capillary Tube Mat

| | |
|---|---|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| Ø Collector pipe Ø Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm |
| Length (L) | 600 - 2000 mm (in steps of 10 mm) (standard lengths in steps of 50mm) |
| Width (B) Connection type 11 | 170 - 1210 mm (in steps of 20 mm) |
| Width (B) Connection type 20/02 | 175 - 1215 mm (in steps of 20 mm) |
| Massis filled Exchange surface Water contents | 824 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² |
| Cooling capacity* Allow. heating water temp. Operating pressure | 83 W/m ² 60°C 4 bar |
| Connection variation with quick-action couplings | 11, connections outside 20, connections on the left 02, connections on the right |
| Operation area | Plaster ceiling, Metal panel ceiling |

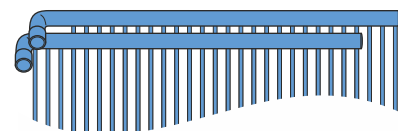


Connection type 00

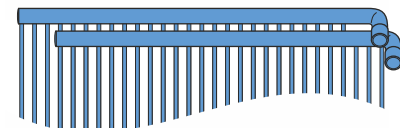
Ordering example for variant 11:
BEKA Capillary tube mat type K.S10.11, length 1350mm width 610mm, connections outside:
K.S10.1350.0610.11

Ordering example for variant 20/02:
BEKA Capillary tube mat type K.S10.02, length 1250mm width 435mm, connections on the right:
K.S10.1250.0435.02

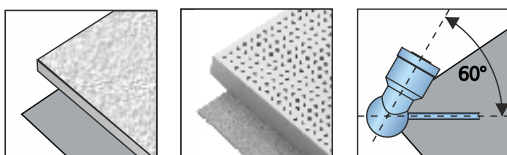
*Capacity achieved under defined conditions



Connection type 20

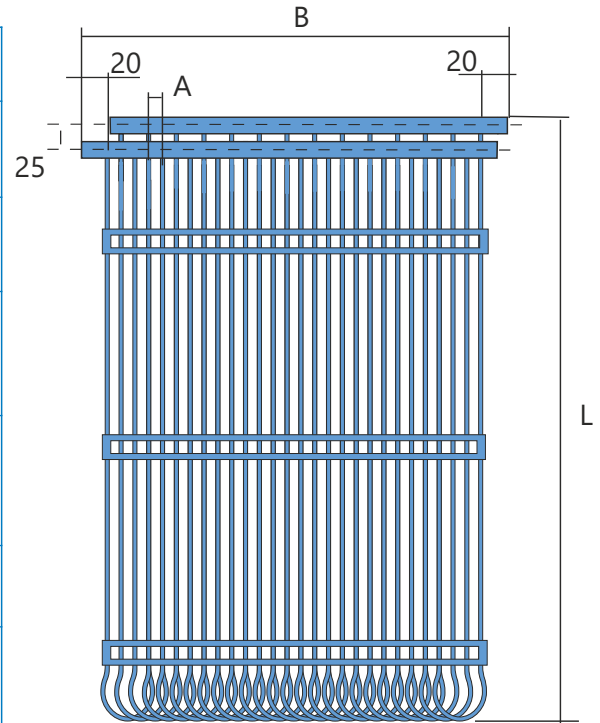


Connection type 02



K.S10. . .00 | BEKA Capillary Tube Mat

| | | |
|--|---|--|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 | |
| Ø Collector pipe Ø Capillary tube Capillary tube distance (A) | 20 × 2 mm 3,35 × 0,5 mm 10 mm | |
| Length (L) Width (B) | 750 - 6000 mm 170 - 1210 mm | (in steps of 10 mm) (in steps of 20 mm) |
| Massis filled Exchange surface Water contents | 824 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² | |
| Cooling capacity * Allow. heating water temp. Operating pressure | 83 W/m ² 60°C 4 bar | |
| Connection variation with quick-action couplings | 00, without connections | |
| Operation area | Special solutions for: Plaster ceiling Metal panel ceiling | |



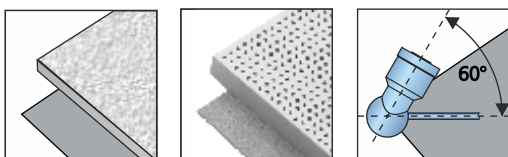
Connection type 00

Ordering example:

BEKA Capillary tube mat type K.S10, length 5500mm width 990mm, without connections:

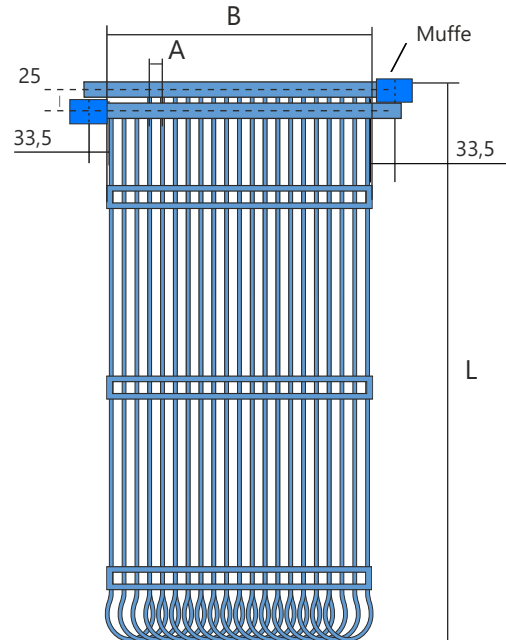
K.S10.5500.0990.00

*Capacity achieved under defined conditions



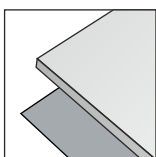
K.SK10 | BEKA Capillary Tube Mat

| | |
|---|---|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| \varnothing Collector pipe \varnothing Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm |
| Length (L) Width (B) | 750 - 6000 mm (in steps of 10 mm) 230 - 430 mm (in steps of 60 mm) |
| Massis filled Exchange surface Water contents | 274 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² |
| Cooling capacity* Allow. heating water temp. Operating pressure | 70 W/m ² 60°C 4 bar |
| Connection variation with quick-action couplings | 00, without connections, with sleeves |
| Operation area | Layed on dry build sheets |
| Accessories | Mounting plate Plastic nails |



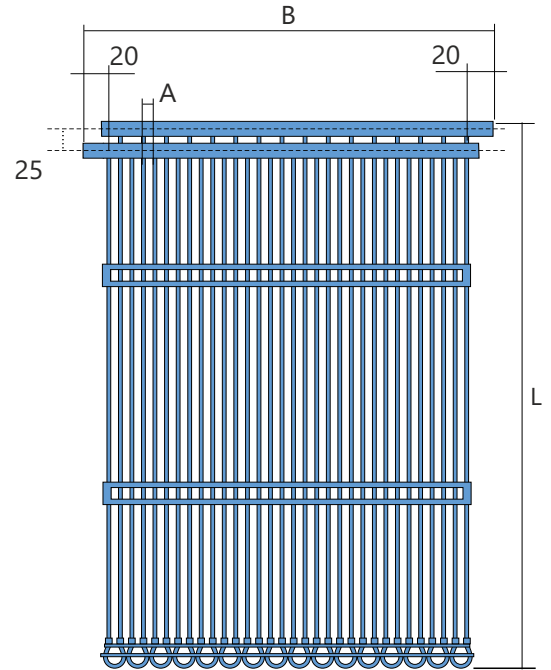
Ordering example:
 BEKA Capillary tube mat type K.SK10, length 5000mm width 430mm, without connections:
 K.SK10.5000.0430.00

*Capacity achieved under defined conditions



K.S15 | BEKA Capillary Tube Mat

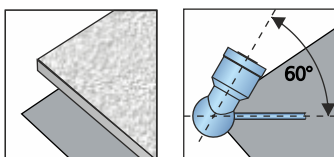
| | |
|---|--|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| Ø Collector pipe Ø Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 15 mm |
| Length (L) Width (B) | 750 - 6000 mm (in steps of 10 mm) 175 - 1195 mm (in steps of 20 mm) |
| Massis filled Exchange surface Water contents | 562 g/m ² (without collector) 0,71 m ² /m ² 0,27 l/m ² |
| Cooling capacity* Allow. heating water temp. Operating pressure | 80 W/m ² 60°C 4 bar |
| Connection variation with quick-action couplings | 00, without connections |
| Operation area | Plaster ceiling Surface heating in plaster or screeding |



Ordering example:

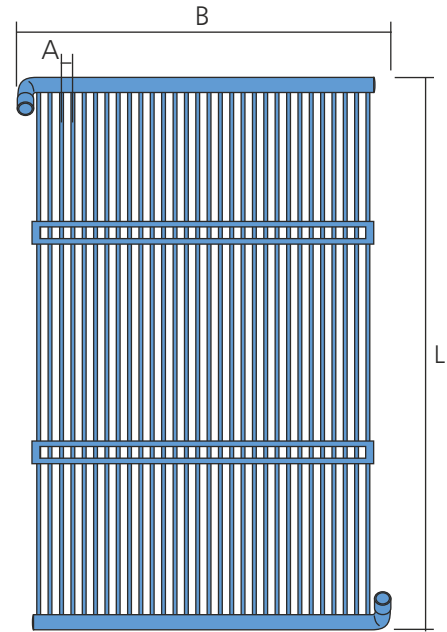
BEKA Capillary tube mat type K.S15, length 5500mm width 985mm, without connections:
K.S10.5500.0990.00

*Capacity achieved under defined conditions



K.G10. .11/20 | BEKA Capillary Tube Mat

| | |
|---|---|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| Ø Collector pipe Ø Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm |
| Length (L) | 600 - 2000 mm (in steps of 10 mm) (standard lengths in steps of 50 mm) |
| Width (B) Connection 11 Width (B) Connection 20/02 | 155 - 1195 mm (in steps of 10 mm) 160 - 1200 mm (in steps of 10 mm) |
| Massis filled Exchange surface Water contents | 824 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² |
| Cooling capacity* Allow. heating water temp. Operating pressure | 83 W/m ² 60°C 4 bar |
| Connection variation with quick-action couplings | 11, connections outside on difference sides 20, connections outside on one side |
| Operation area | Metal panel ceiling |



Connection type 11.L

Ordering example 11:

BEKA Capillary tube mat type K.G10, length 1250mm width 625mm, connections on the right:

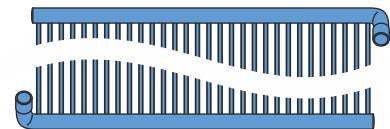
K.G10.1250.0625.11.R

Ordering example 20/02:

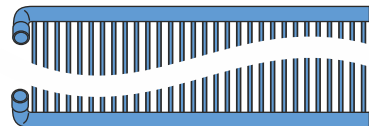
BEKA Capillary tube mat type K.G10, length 1250mm width 620mm, 2 connections outside on one side:

K.G10.1250.0620.20

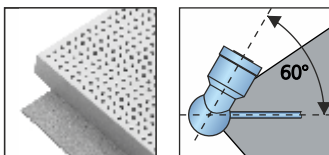
*Capacity achieved under defined conditions



Connection type 11.R

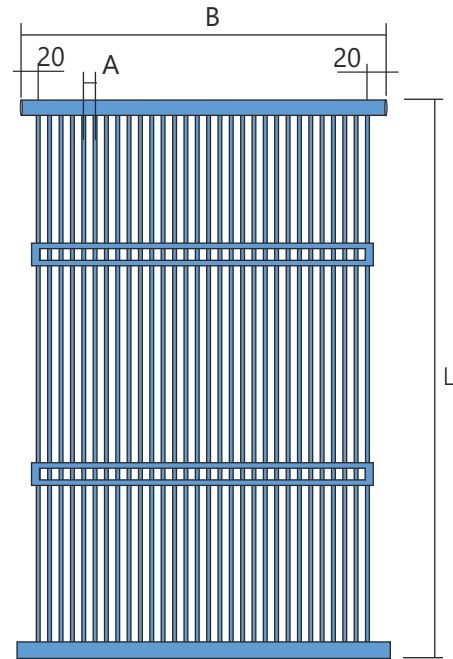


Connection type 20/02



K.G10. . .00 | BEKA Capillary Tube Mat

| | |
|--|---|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| Ø Collector pipe Ø Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm |
| Length (L) Width (B) | 750 - 6000 mm (in steps of 10 mm) 170 - 1200 mm (in steps of 10 mm) |
| Massis filled Exchange surface Water contents | 824 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² |
| Cooling capacity * Allow. heating water temp. Operating pressure | 83 W/m ² 60°C 4 bar |
| Connection variation with quick-action couplings | 00, without connections |
| Operation area | Metal panel ceiling |



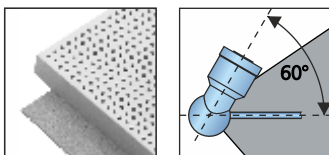
Connection type 00

Ordering example:

BEKA Capillary tube mat type K.G10, length 6000mm width 960mm, without connections:

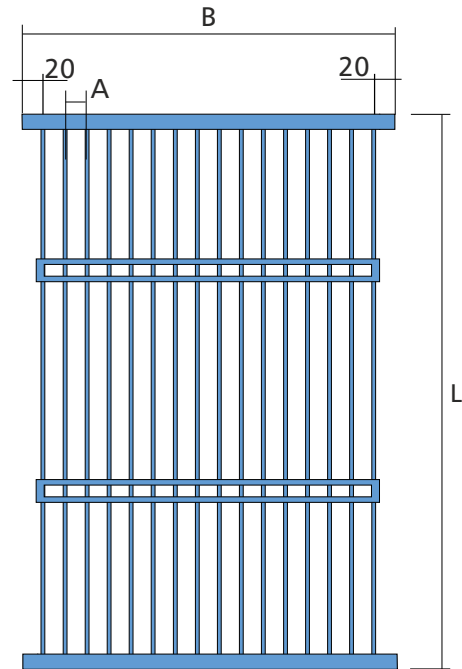
K.G10.6000.0960.00

*Capacity achieved under defined conditions



K.G20 | BEKA Capillary Tube Mat

| | |
|---|---|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| \varnothing Collector pipe \varnothing Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 20 mm |
| Length (L) Width (B) | 750 - 6000 mm (in steps of 10 mm) 160 - 1200 mm (in steps of 20 mm) |
| Massis filled Exchange surface Water contents | 412 g/m ² (without collector) 0,533 m ² /m ² 0,19 l/m ² |
| K hleleistung* zul. Heizwassertemperatur Betriebsdruck | 45 W/m ² 60°C 4 bar |
| Connection variation with quick-action couplings | 00, without connections |
| Operation area | Pre-fabricated concrete units, Plaster ceiling Surface heating in plaster or in screeding |



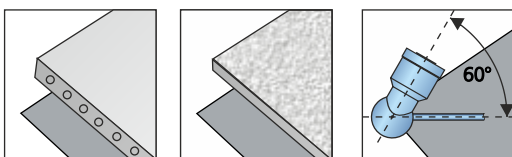
Other connection types are available per your inquiry

Ordering example:

BEKA Capillary tube mat type K.G20, length 5500mm width 980mm, without connections:

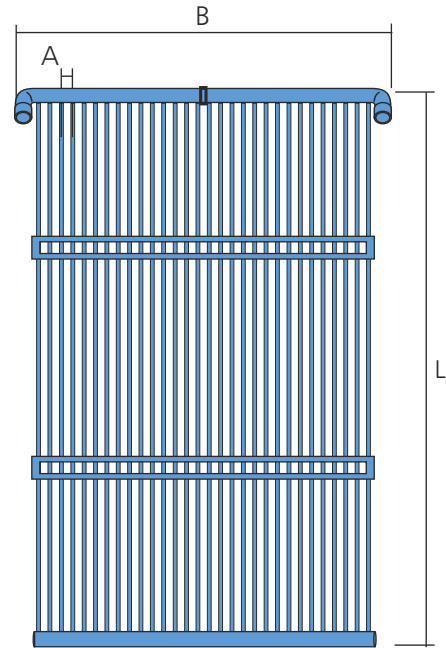
K.G20.5500.0980.00

*Capacity achieved under defined conditions



K.GM10 | BEKA Capillary Tube Mat

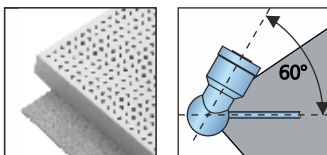
| | |
|---|---|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| \varnothing Collector pipe \varnothing Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm |
| Length (L) | 600 - 6000 mm (in steps of 10 mm) (standard lengths in steps of 50 mm) |
| Width (B) | 155 - 1195 mm (in steps of 10 mm) |
| Massis filled Exchange surface Water contents | 824 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² |
| Cooling capacity* Allow. heating water temp. Water contents | 83 W/m ² 60°C 4 bar |
| Connection variation with quick-action couplings | 11, connections outside |
| Operation area | Metal panel ceiling |



Ordering example:

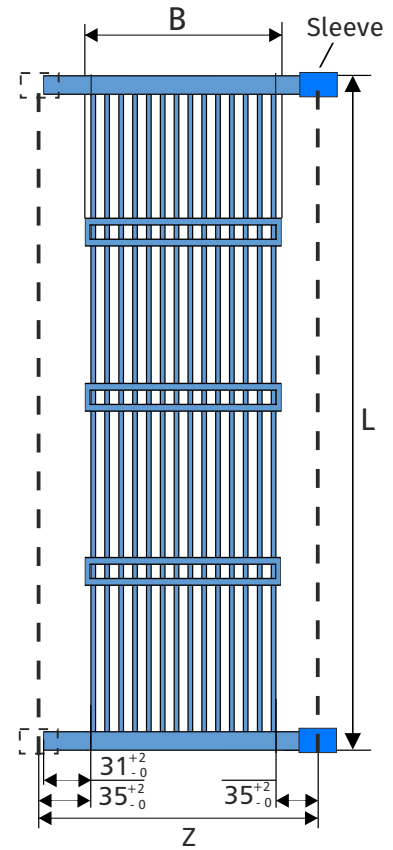
BEKA Capillary tube mat type K.GM10, length 1450mm width 355mm, 2 connections outside:
 K.GM10.1450.0355.11

*Capacity achieved under defined conditions



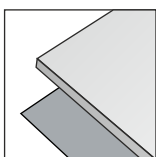
K.GK10 | BEKA Capillary Tube Mat

| | |
|--|---|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| Ø Collector pipe Ø Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm |
| Length (L) Width (B) | 750 - 6000 mm (in steps of 10 mm) 230 - 430 mm (in steps of 10 mm) |
| Massis filled Exchange surface Water contents | 274 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² |
| Cooling capacity * Allow. heating water temp. Operating pressure | 70 W/m ² 60°C 4 bar |
| Connection variation with quick-action couplings | 00, without connections, with sleeves |
| Operation area | Layed on dry build sheets |
| Accessories | Mounting plate Plastic nails |



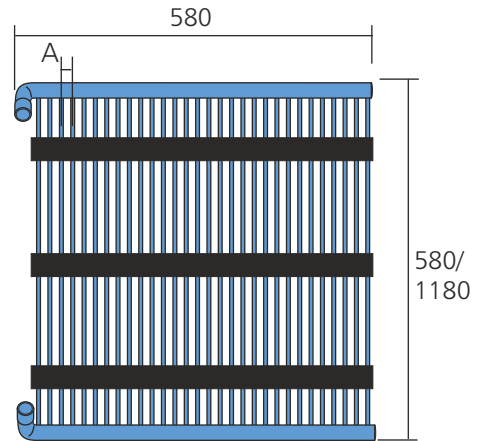
Ordering example:
BEKA Capillary tube mat type K.GK10, length 5000mm width 430mm, without connections:
K.GK10.5000.0430.11

*Capacity achieved under defined conditions



K.GS10 | BEKA Capillary Tube Mat

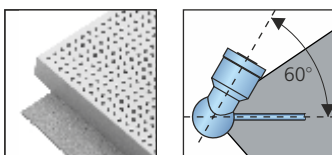
| | |
|--|--|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| Ø Collector pipe Ø Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm |
| Length (L) Width (B) | 580 or 1180 mm 580 mm |
| Massis filled Exchange surface Water contents | 824 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² |
| Cooling capacity * Allow. heating water temp. Operating pressure | 83 W/m ² 60°C 4 bar |
| Connection variation with quick-action couplings | 20, connections on the left |
| Operation area | Standard dimensions for metal cassettes only in connection with pre-fabricated gluing onto metal cassettes 600 x 600 mm / 625 x 625 mm bzw. 1200 x 600 mm / 1250 x 625 mm |



Other connection types are available per your inquiry

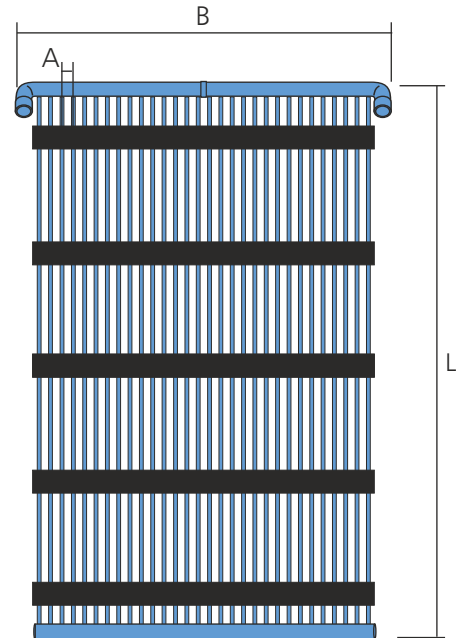
Ordering example:
BEKA Capillary tube mat type K.GS10, length 580mm width 580mm, 2 connections on the left:
K.GS10.0580.0580.20

*Capacity achieved under defined conditions



K.GSM10 | BEKA Capillary Tube Mat

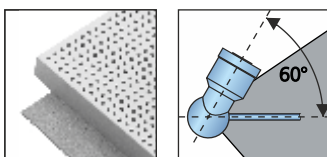
| | | |
|---|---|--|
| Material | Polypropylen Random Copolymer Typ 3, DIN 8078 | |
| Ø Collector pipe Ø Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm | |
| Length (L) Width (B) | 550 - 2000 mm (in steps of 10 mm) 165 - 705 mm (in steps of 10 mm) | |
| Massis filled Exchange surface Water contents | 824 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² | |
| Cooling capacity* Allow. heating water temp. Operating pressure | 83 W/m ² 60°C 4 bar | |
| Connection variation with quick-action couplings | 11, connections on the left | |
| Operation area | Standard dimension for factory in the hotmelt gluing process for metal ceiling panels | |



Ordering example:

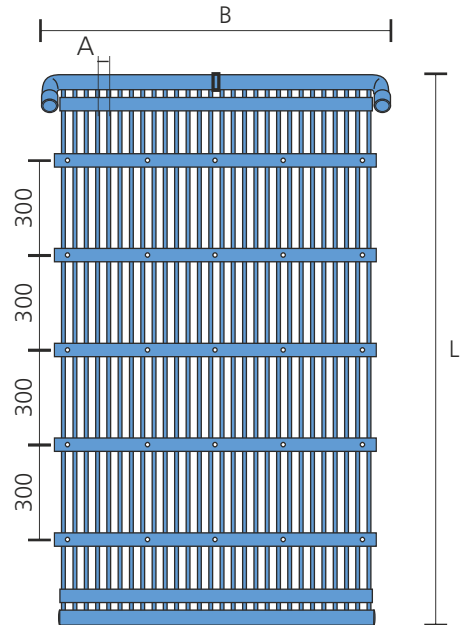
BEKA Capillary tube mat type K.GSM10, length 1450mm width 355mm, 2 connections outside:
K.GSM10.1450.0355.11

*Capacity achieved under defined conditions



K.GG10 | BEKA Capillary Tube Mat

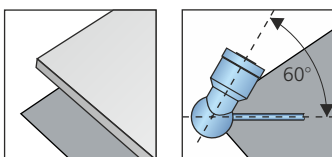
| | |
|---|---|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| \varnothing Collector pipe \varnothing Capillary tube Capillary tube distance (A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm |
| Length (L) | 600 - 2000 mm (in steps of 10 mm) (standard lengths in steps of 50 mm) |
| Width (B) | 155 - 1195 mm (in steps of 10 mm) |
| Massis filled Exchange surface Water contents | 824 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² |
| Cooling capacity* Allow. heating water temp. Operating pressure | 70 W/m ² 60°C 4 bar |
| Connection variation with quick-action couplings | 11, connections outside |
| Operation area | Layed on dry build sheets see TI-M05 |



Ordering example:

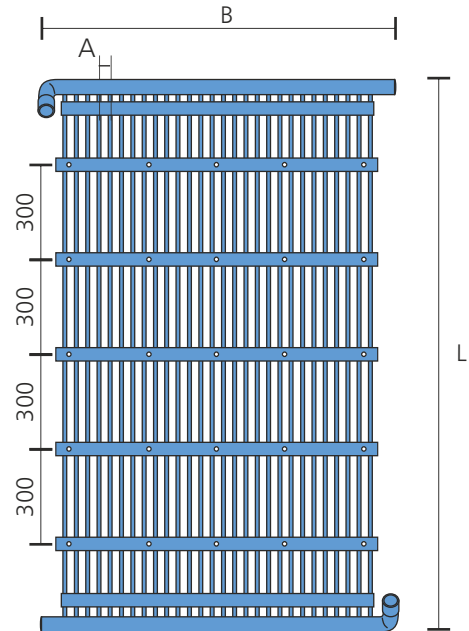
BEKA Capillary tube mat type K.GG10, length 1500mm width 845mm, 2 connections:
K.GG10.1500.0845.11

*Capacity achieved under defined conditions



K.GT10. .11/20 | BEKA Capillary Tube Mat

| | |
|--|---|
| Material | Polypropylene Random Copolymer Type 3, DIN 8078 |
| Ø Collector pipe Ø Capillary tube Capillary tube distance(A) | 20 x 2 mm 3,35 x 0,5 mm 10 mm |
| Length (L) | 600 - 2000 mm (in steps of 10 mm) (standard lengths in steps of 50 mm) |
| Width (B) | 155 - 1195 mm (in steps of 10 mm) 160 - 1200 mm (in steps of 10 mm) |
| Massis filled Exchange surface Water contents | 824 g/m ² (without collector) 1,067 m ² /m ² 0,39 l/m ² |
| Cooling capacity* Allow. heating water temp Operating pressure | 70 W/m ² as plaster board 60°C 4 bar |
| Connection variation with quick-action couplings | 11, connections outside on difference sides 20, connections outside on one side |
| Operation area | On dry build sheets see TI-M05 |



Connection type 11.L

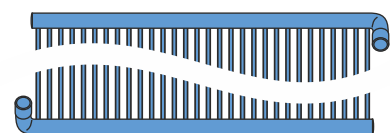
Ordering example:

BEKA Capillary tube mat type K.GT10, length 1350mm width 615mm, connections on the left:
K.GT10.1350.0615.11.L

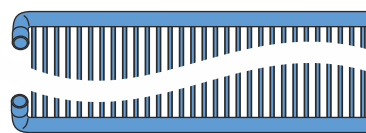
Ordering example:

BEKA Capillary tube mat type K.GT10, length 1350mm width 610mm, 2 connections outside on one side:
K.GT10.1350.0610.20

*Capacity achieved under defined conditions



Connection type 11.R



Connection type 20/02

