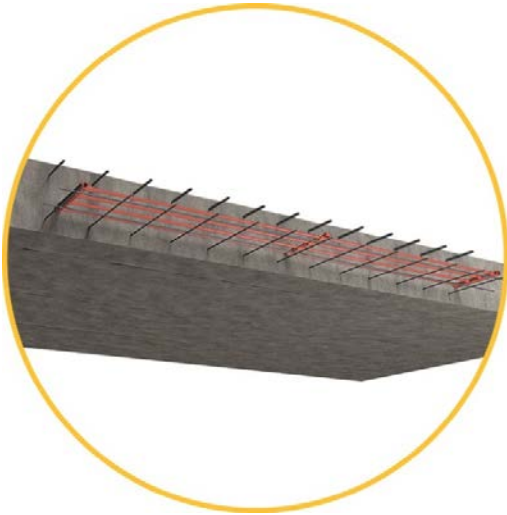


Thermoactive component system heating/cooling




IS-HKT pro

Range of application :

- ▶ Thermoactive component system
- ▶ Heating and cooling
- ▶ Domestic, industrial and hotel buildings
- ▶ New construction and extension

- ▶ The welding method assures a simple and quick installation
- ▶ Comfort at low temperatures due to high radiation energy
- ▶ Comfortable room climate by large-area cooling/heating
- ▶ Energy saving due to low inlet temperatures
- ▶ Utilization of the building's thermal mass
- ▶ Various sizes for a wide application range
- ▶ Use of high-quality ecological materials
- ▶ High level use of environmental energy
- ▶ Patented connection between registers
- ▶ Temperature resistant up to 65 °C
- ▶ Possible energy saving up to 40%
- ▶ No air movement
- ▶ Versatile

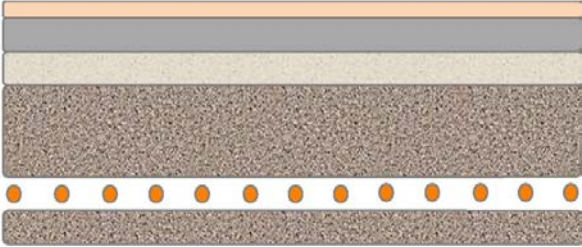


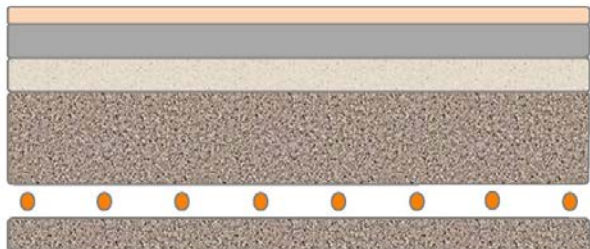
Energy efficiency
enhancement
in buildings

Tested:

IS-HKT pro

Performance data

Tube separation 7 cm						
<div> <div>Tile/carpet floor</div> <div>3 cm Screed</div> <div>3 cm EPS 0,40</div> <div>23-26 cm Concrete</div> <div>TABS Tube Distance 7 cm</div> <div>4-7 cm Concrete</div> </div> 						
Operation	Heating				Cooling	
q.	41,62 W/m ²	25,53 W/m ²	63,38 W/m ²	47,38 W/m ²	40,60 W/m ²	45,20 W/m ²
Delta T	5K				3 K	
T _{feed}	30 °C		35 °C		17 °C	
T _{room}	20 °C	24 °C	20 °C	24 C	25 °C	26 °C

Tube distance 14 cm						
<div> <div>Tile/Carpet floor</div> <div>3 cm Screed</div> <div>3 cm EPS 0,40</div> <div>23-26 cm Concrete</div> <div>TABS Tube Distance 14 cm</div> <div>4-7 cm Concrete</div> </div> 						
Operation	Heating				Cooling	
q.	35,62 W/m ²	22,20 W/m ²	56,16 W/m ²	42,22 W/m ²	35,70 W/m ²	39,50 W/m ²
Delta T	5K				3 K	
T _{feed}	30 °C		35 °C		17 °C	
T _{room}	20 °C	24 °C	20 °C	24 C	25 °C	26 °C

Diameter	
Ø Collector	20 mm
Ø Harp	10 mm

Material	
Type	PEOC Plus PE-RT 63, orange / PE-RT 90 in accordance with DIN 4726 oxygen proof, green
Operation pressure / temperature	max. 6 bar / max. 55 °C
Operation pressure / temperature	max. 4 bar / max. 65 °C
System temperature Heating	24 - 30 °C
System temperature Cooling	16 - 22 °C
Welding temperature	235 °C

Hydraulics	
Max. area of IS-HKT Register/circuit	Recommended area IS-HKT register max. 20 m ²
Length of connection tube/circuit	Recommended length of supply and return of 20 m each one

Connections	
Supply	16 mm ext. thread
Return	16 mm int. thread

IS-HKT pro

Width 56 cm	Tube separation RA 7 cm					Tube separation RA 14 cm				
Available length in cm	50	80	120	180	230	50	80	120	180	230
Area in m ²	0,28	0,45	0,67	1,00	1,29	0,28	0,45	0,67	1,00	1,29
Water content in l	0,38	0,47	0,59	0,78	0,93	0,30	0,35	0,41	0,50	0,58
Product no.	19000095	19000094	19000093	19000092	19300001	19000107	19000106	19000105	19000104	19310001

Width 112 cm	Tube separation RA 7 cm					Tube separation RA 14 cm				
Available length in cm	50	80	120	180	230	50	80	120	180	230
Area in m ²	0,56	0,89	1,34	2,02	2,58	0,56	0,89	1,34	2,02	2,58
Water content in l	0,76	0,94	1,19	1,56	1,87	0,60	0,70	0,82	1,00	1,16
Product no.	19000100	19000099	19000098	19000097	19300002	19000112	19000111	19000110	19000109	19310002

IS-HKT pro (oxygen-proof in accordance with DIN 4726)

Width 28 cm	Tube separation RA 7 cm					Tube separation RA 14 cm				
Available length in cm	50	80	120	180	230	50	80	120	180	230
Area in m ²	0,14	0,22	0,34	0,50	0,64	0,14	0,22	0,34	0,50	0,64
Water content in l	0,19	0,24	0,30	0,39	0,47	0,15	0,17	0,20	0,25	0,29
Product no.	19000189	19000190	19000191	19000192	19100001	19000208	19000209	19000210	19000211	19110001

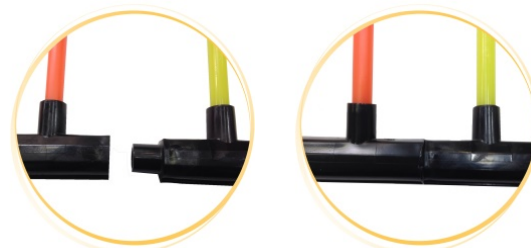
Width 56 cm	Tube separation RA 7 cm					Tube separation RA 14 cm				
Available length in cm	50	80	120	180	230	50	80	120	180	230
Area in m ²	0,28	0,45	0,67	1,00	1,29	0,28	0,45	0,67	1,00	1,29
Water content in l	0,38	0,47	0,59	0,78	0,93	0,30	0,35	0,41	0,50	0,58
Product no.	19000183	19000184	19000185	19000186	19100002	19000202	19000203	19000204	19000205	19110002

Width 84 cm	Tube separation RA 7 cm					Tube separation RA 14 cm				
Available length in cm	50	80	120	180	230	50	80	120	180	230
Area in m ²	0,42	0,67	1,01	1,51	1,93	0,42	0,67	1,01	1,51	1,93
Water content in l	0,57	0,71	0,89	1,17	1,40	0,45	0,52	0,61	0,75	0,87
Product no.	19000177	19000178	19000179	19000180	19100003	19000196	19000197	19000198	19000199	19110003

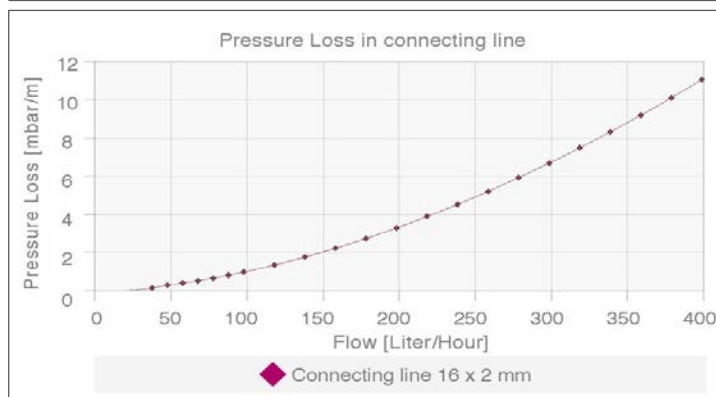
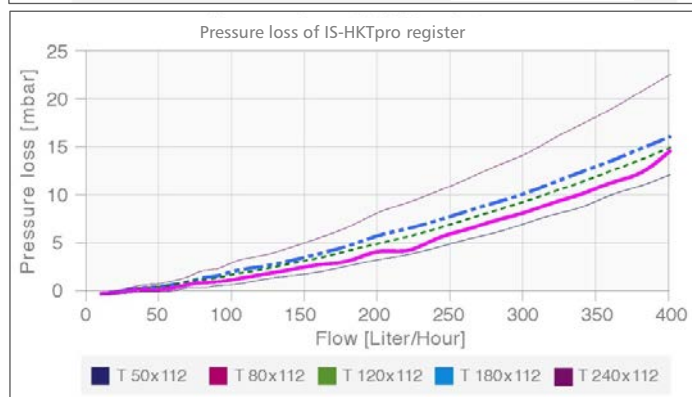
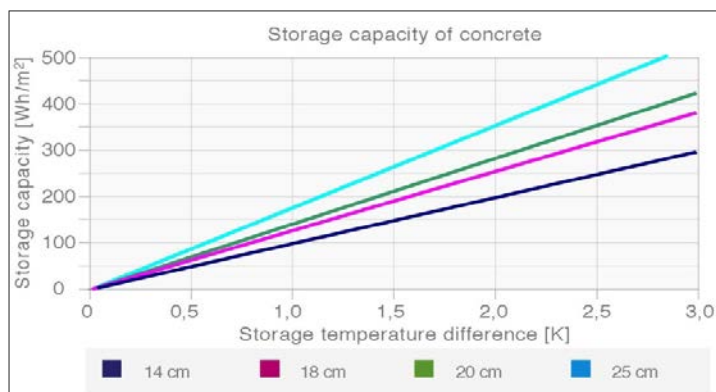
Width 112 cm	Tube separation RA 7 cm					Tube separation RA 14 cm				
Available length in cm	50	80	120	180	230	50	80	120	180	230
Area in m ²	0,56	0,89	1,34	2,02	2,58	0,56	0,89	1,34	2,02	2,58
Water content in l	0,76	0,94	1,19	1,56	1,87	0,60	0,70	0,82	1,00	1,16
Product no.	19000012	19000014	19000006	19000008	19100004	19000013	19000015	19000007	19000009	19110004

Accessories	Product no.
Elbow 16 mm l/A 90°, black	65 31 6006
Elbow 16 mm l/l 90°, black	65 31 6007
Elbow 16 mm l/A 45°, black	65 31 6005
Elbow 16 mm l/l 45°, black	65 31 6004
Cap 16 mm, black	65 31 6001
Sleeve 16 mm, black	65 31 6002
Plug 16 mm, black	65 31 6003
Rolled pipe PE-RT 16 x 2 mm, roll 200 m	1900 0118
Length pipe PE-RT 16 x 2 mm, length 3 m	1900 0119

Connection technique:



IS-HKT pro



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