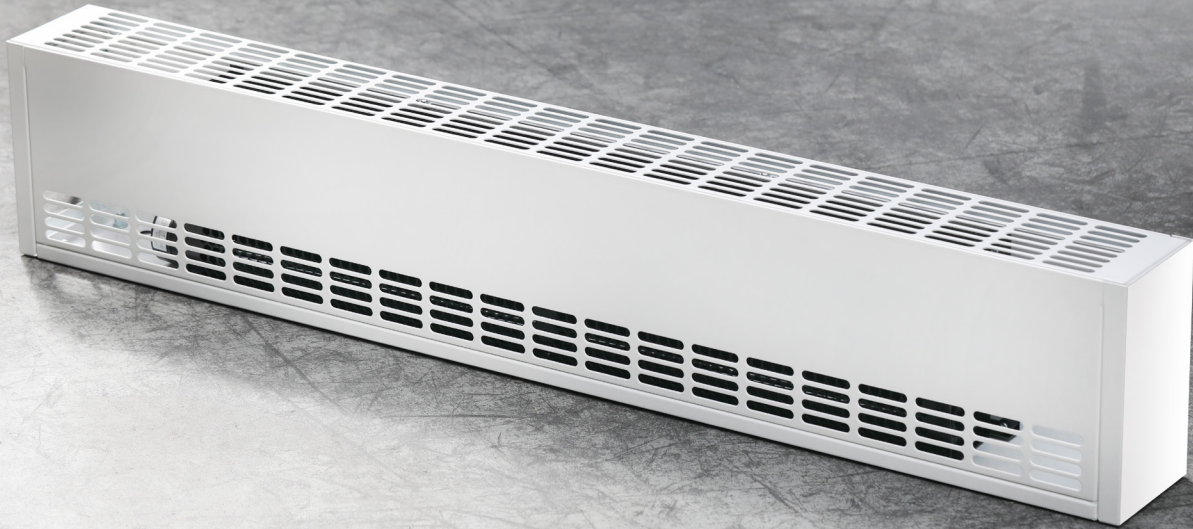


# Heater type MVKN5



## MVKN5-20/11,5/Lk (L/P)

Modular floor/wall-mounted fan assisted heater, type MVKN5-20/11,5/L (L/P/OPP) is an ideal device for rooms where trench heaters can not be installed. The heater can be combined into continuous sections of the appropriate length of the heating system.

The heater casing is available in any color from RAL palette, and the top of the heater can be finished with a standard punched metal grille or aluminium grille.

### STANDARD EQUIPMENT:

- casing made of zinc-magnesium steel, powder coated in mat RAL 9016 colour, fine structure,
- efficient copper - aluminum heat exchanger with an air vent,
- 0-10V signal controlled fan, compatible for connection to the BMS system,
- water connection, C type: 3/4" female thread,
- assembly kit (possibility of mounting to the floor or to the wall),
- standard grill: punched long oval,
- fan cover with an airflow baffle,

### ADDITIONAL EQUIPMENT:

- trench (casing) powder coated in any RAL colour,
- any number of modules to be connected with each other,
- modularity and the possibility of joining at an angle of 90° and others,
- other punched grille types: cross oval, honeycomb, oval,
- other grille types: roll-up, linear or modular made of natural or anodized aluminum:
- air filter,
- dedicated control system (manual, automatic or BMS)

DIMENSIONS	[mm]
Height	200
Width	115
Length	1150, 1300, 1500, 1650

CONNECTIONS TYPE	TYPE
Connection side	Right (P) standard Left (L) optional Opposite end (OPP) optional
Water connection	3/4" female thread

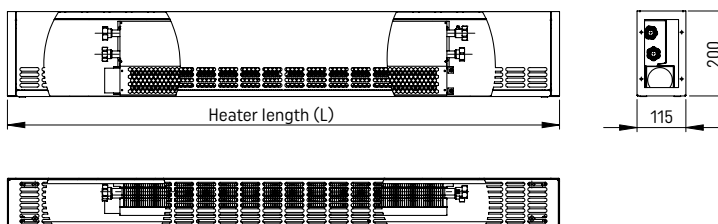
- Heating output [W] according to EN16430 given for parameters 75/65/20; 55/45/20; 35/30/20.
- Control voltage for each operating mode: Min-2V; Med-4V; Max-6V; Boost-10V.
- Fan operation mode: Min, Med, Max intended for continuous operation and the Boost mode used only for quick heating of rooms. The manufacturer recommends selecting heaters for the Med mode.
- The sound power level was calculated in accordance with the EN-ISO 3744 standard, while the sound pressure level was given for a distance of 2 m from the heater in a room with a volume of 100 m<sup>3</sup> and a reverberation time of 0.5 s, assuming the attenuation in a room equal to 8DB (A).
- Maximum allowable working pressure: 1.0 MPa.
- Test pressure 1,3 MPa.
- Maximum hydraulic pressure: 1,69 MPa.
- Maximum permissible operating temperature: 110°C

# TECHNICAL DATA

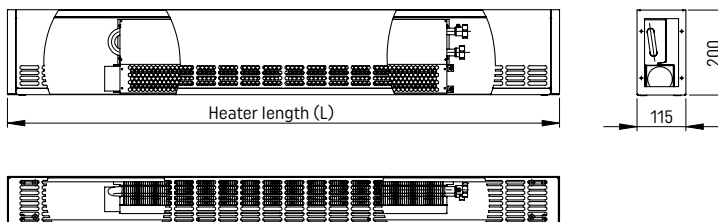
Heater length	Operating mode	Heating output for $t_r/t_p$ °C			Electric power demand	Current	Number of fan motors
		75/65/20 °C	55/45/20 °C	35/30/20 °C			
L [mm]	[-]	$\Phi$ [W]			P [W]	I [A]	[-]
1150	Min	542	313	123	1,0	0,04	1
	Med	1165	674	264	2,2	0,09	
	Max	1634	945	370	5,3	0,22	
	Boost	2068	1196	468	18,0	0,75	
1300	Min	637	368	144	1,0	0,04	1
	Med	1368	791	310	2,4	0,10	
	Max	1918	1109	434	6,0	0,25	
	Boost	2428	1404	549	20,7	0,86	
1500	Min	817	473	185	1,0	0,04	1
	Med	1755	1015	397	2,7	0,11	
	Max	2461	1423	557	7,2	0,30	
	Boost	3115	1802	705	26,4	1,10	
1650	Min	946	547	214	1,2	0,05	1
	Med	2032	1175	460	2,9	0,12	
	Max	2849	1648	645	8,2	0,34	
	Boost	3606	2086	816	30,8	1,28	

## WATER CONNECTION TYPE

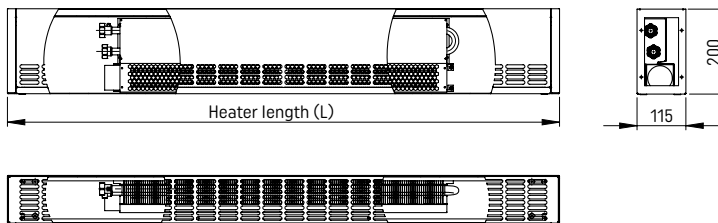
- (OPP) OPPOSITE END WATER CONNECTION



- (P) WATER CONNECTION FROM THE RIGHT

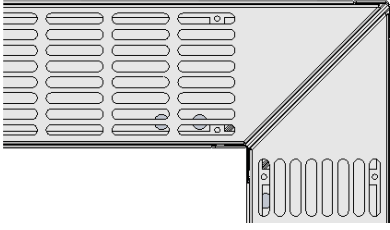


- (L) WATER CONNECTION FROM THE LEFT

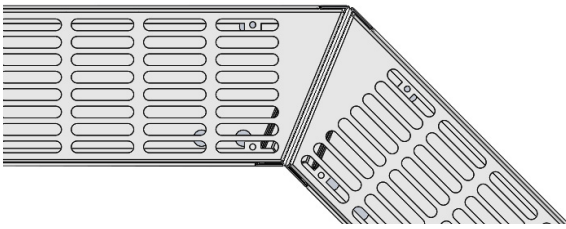


# CUSTOM DESIGN

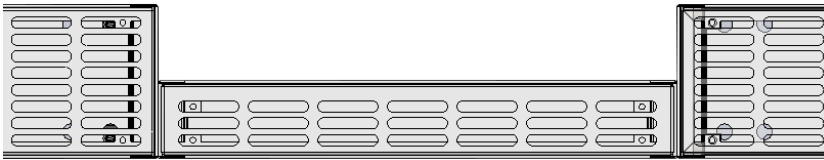
- 90° DEG. CORNER



- MITRED CORNERS



- COLUMN CUTOUTS



# WATER CAPACITIES

Heater length L [mm]	Water capacity [dm <sup>3</sup> ]
1150	0,25
1300	0,29
1500	0,35
1650	0,40

# PREASSURE LOSS

