

# FAN ASSISTED PEDESTAL UNIT

## SVKN1-17,5/19,8/L (L/P)



Low-temperature fan assisted pedestal units type SVKN1 have very high heating output and in the same time small size. They work everywhere where trench heater cannot be used. They fit perfectly into any room and the possibility of choosing a grille and any RAL colour makes them universal. They are equipped with a very quiet fan 24 V DC EC.

### STANDARD EQUIPMENT

- Casing made of galvanized steel, powder coated in white RAL 9003 or black RAL 9005
- Linear grille painted in the same colour as the heater
- Copper-aluminium heat exchanger with air vent
- Modern fan with silent and efficient 24V DC EC motor
- Water connection with ½" female thread
- Assembly kit
- Fan cover with airflow baffle
- Heater bracket/leg, 100mm high.

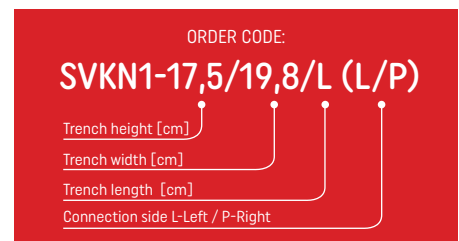
- Standard heating output [W] compliant to EN16430-1:2015-02.
- Control voltages for the respective modes of operation: Min – 2 V, Med – 4 V, Max – 6 V, Boost – 10 V.
- Min, Med, Max fan speeds are for continuous operation, the Boost mode is for speed heating.
- Sound power level according to ISO-3745 standard, sound pressure level measured at distance of 2 m to the heater, in a 100 m3 volume room. Reverb time - 0,5 s, room damping - 8 dB(A).
- Maximum permissible operating pressure: 1,0 MPa.
- Test pressure: 1,3 MPa.
- Maximum hydraulic pressure: 1,69 Mpa.
- Maximum operating temperature: 110°C.

### ADDITIONAL EQUIPMENT

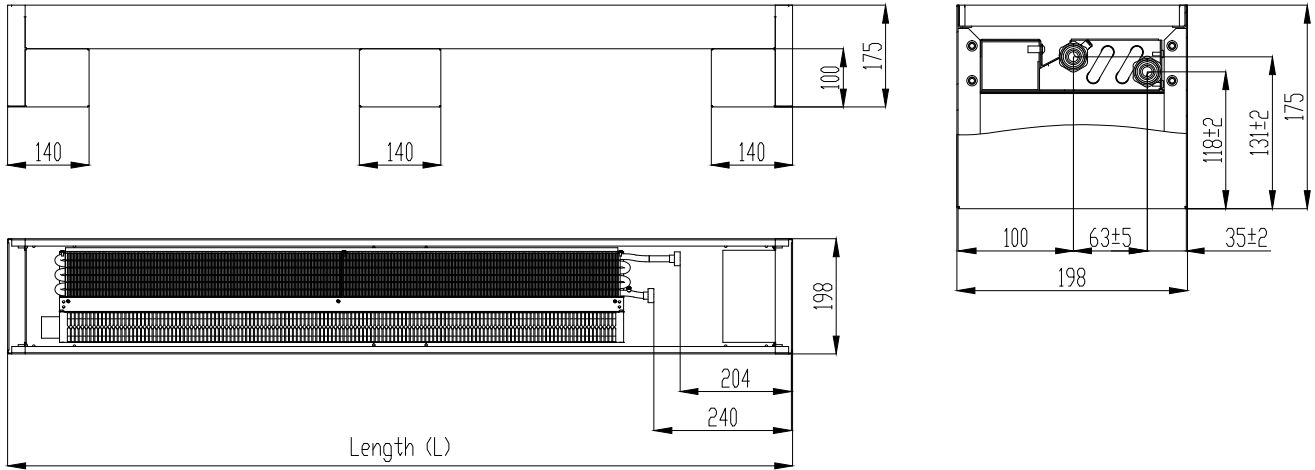
- Casing painted in any RAL colour
- Custom top grille type: linear or roll-up, natural or anodized aluminium
- Anti dust filter (causes an output decrease by approx 10%)
- Valves and control system (actuator, controller, power supply).

DIMENSIONS	[mm]
Height	175
Width	198
Length (L)	1050-2050
CONNECTIONS	TYPE
Connection side	Right (P) standard
	Left (L) option
	Opposite end (OPP) option*
Connection threads	½" female thread

\* In case of opposite end connection, the standard heater length is extended by 150mm.



# TECHNICAL DATA



NOTE: Heaters with lengths of 1050-1150 mm are made with 2 legs. Heaters with lengths of 1350-2050 mm are made with 3 legs.

Trench length	Operating mode	HEATING								
		75/65/20 °C			55/45/20 °C			35/30/20 °C		
L [mm]	[-]	Heat output [W]	Pressure loss [kPa]	Water flow rate [l/h]	Heat output [W]	Pressure loss [kPa]	Water flow rate [l/h]	Heat output [W]	Pressure loss [kPa]	Water flow rate [l/h]
1050	Min	107	0.03	9	64	0.01	6	27	0.01	5
	Med	559	0.58	49	335	0.24	29	139	0.18	24
	Max	967	1.48	85	580	0.62	51	241	0.45	42
	Boost	1500	3.14	132	899	1.31	78	374	0.95	65
1150	Min	126	0.05	11	76	0.02	7	31	0.02	5
	Med	656	0.87	58	393	0.37	34	164	0.27	28
	Max	1135	2.23	100	680	0.93	59	283	0.68	49
	Boost	1761	4.70	155	1056	1.97	92	439	1.44	76
1350	Min	161	0.10	14	96	0.04	8	40	0.03	7
	Med	842	1.62	74	505	0.68	44	210	0.50	36
	Max	1457	4.11	128	873	1.72	76	363	1.26	63
	Boost	2259	8.66	199	1355	3.64	118	564	2.66	98
1500	Min	187	0.14	16	112	0.06	10	47	0.04	8
	Med	975	2.35	86	585	0.99	51	243	0.72	42
	Max	1686	5.94	148	1011	2.50	88	421	1.83	73
	Boost	2616	12.52	230	1568	5.26	137	653	3.85	113
1750	Min	214	0.21	19	128	0.09	11	53	0.06	9
	Med	1116	3.47	98	669	1.46	58	278	1.07	48
	Max	1931	8.78	170	1158	3.70	101	482	2.71	83
	Boost	2995	18.45	264	1796	7.77	157	747	5.68	129
1850	Min	251	0.30	22	150	0.13	13	63	0.09	11
	Med	1313	4.94	116	787	2.08	69	328	1.53	57
	Max	2271	12.45	200	1362	5.26	119	567	3.85	98
	Boost	3522	26.13	310	2112	11.03	184	879	8.07	152
2050	Min	268	0.38	24	161	0.16	14	67	0.12	12
	Med	1399	6.09	123	839	2.58	73	349	1.89	60
	Max	2421	15.33	213	1451	6.48	127	604	4.75	104
	Boost	3755	32.11	330	2251	13.58	196	937	9.95	162

Trench length	Operating mode	Sound pressure level	Sound power level	Electric power	Current	Number of fan motors
L [mm]	[-]	[dB(A)]	[dB(A)]	[W]	[A]	[-]
1050	Min	22	30	0.90	0.03	1
	Med	23	31	1.10	0.05	
	Max	31	39	2.10	0.08	
	Boost	47	55	5.90	0.24	
1150	Min	22	30	0.80	0.03	1
	Med	21	29	1.20	0.05	
	Max	26	34	2.30	0.09	
	Boost	41	49	7.00	0.29	
1350	Min	22	30	0.60	0.02	1
	Med	23	31	1.10	0.05	
	Max	27	35	2.70	0.11	
	Boost	42	50	8.90	0.37	
1500	Min	20	28	0.90	0.04	1
	Med	20	28	1.30	0.05	
	Max	26	34	3.00	0.12	
	Boost	42	50	10.30	0.43	
1750	Min	25	33	1.70	0.07	2
	Med	26	34	2.20	0.09	
	Max	34	42	4.10	0.17	
	Boost	50	58	11.70	0.49	
1850	Min	25	33	1.60	0.06	2
	Med	25	33	2.20	0.09	
	Max	32	40	4.30	0.18	
	Boost	48	56	12.80	0.53	
2050	Min	25	33	1.50	0.06	2
	Med	26	34	2.30	0.09	
	Max	32	40	4.80	0.20	
	Boost	48	56	15.00	0.62	