

COIL - P

CHARACTERISTICS

- ✘ for heating dry interiors
- ✘ lower heat output
- ✘ standard variant from P convector series

DIMENSIONS

total width	243 mm
construction height	125 mm
length	900 to 3000 mm

USAGE

It is recommended to be combined with another heating system or to be used individually in interiors with lower heat demands. These convectors can be combined with the Coil - KT-3 with the 12V fan that has a significantly higher heat output at the same width.

TEMPERATURE EQUATION

$$Q = \mu Q_N \left(\frac{t_w - t_A}{50} \right)^m$$

where:

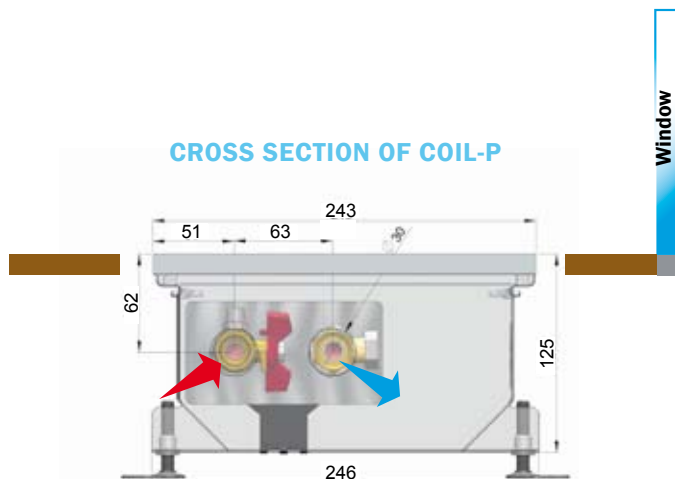
- m=** 1,4633 temperature exponent
- t_{w, A}** mean heating water temperature, mean air temperature in the interior [°C]
- Q_N** nominal heat transfer rate for difference of temperatures t_w - t_A = 50 °C [W]
- μ** μ=1 (select μ according to the diagram for other than nominal flow values)
- Q** heat transfer rate for other temperatures [W]



HEAT TRANSFER RATE Q [W] COIL - P

		length L (mm) 900		
		mean air temperature t _A		
		15	20	22
mean water temperature t _w	90	329	299	287
	80	269	240	229
	70	213	186	176
	50	113	91	82
		length L (mm) 1000		
		15	20	22
mean water temperature t _w	90	384	348	335
	80	314	281	268
	70	248	217	205
	50	131	106	96
		length L (mm) 1250		
		15	20	22
mean water temperature t _w	90	521	473	454
	80	426	381	363
	70	337	295	278
	50	178	144	130
		length L (mm) 1500		
		15	20	22
mean water temperature t _w	90	658	597	574
	80	538	481	459
	70	426	372	351
	50	225	181	165
		length L (mm) 1750		
		15	20	22
mean water temperature t _w	90	795	722	693
	80	650	581	554
	70	514	450	425
	50	272	219	199
		length L (mm) 2000		
		15	20	22
mean water temperature t _w	90	933	846	812
	80	763	681	650
	70	603	527	498
	50	319	257	233
		length L (mm) 2500		
		15	20	22
mean water temperature t _w	90	1 207	1 095	1 051
	80	987	882	841
	70	780	682	644
	50	413	333	302
		length L (mm) 3000		
		15	20	22
mean water temperature t _w	90	1 481	1 344	1 290
	80	1 211	1 082	1 032
	70	958	837	791
	50	507	408	371

CROSS SECTION OF COIL-P



LONGITUDINAL SECTION COIL-P

