

COIL - PT

CHARACTERISTICS

- ✘ for heating dry interiors
- ✘ the most popular convector without a fan
- ✘ supplied with thermostatic head as standard

DIMENSIONS

total width 303 mm
 construction height 125 mm
 length 900 to 3000 mm

USAGE

COIL - PT is recommended to be used individually for dry interiors with lower heating demands. The convector can be combined with the COIL - KT or COIL - KO that have a higher heat output.

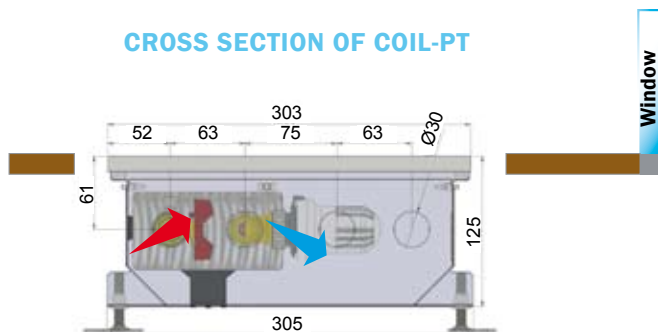


TEMPERATURE EQUATION

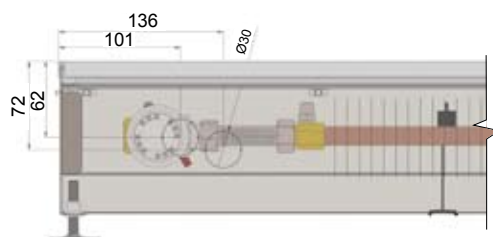
$$Q = \mu Q_N \left(\frac{t_w - t_A}{50} \right)^m$$

$m =$ temperature exponent 1,3932
 t_w, t_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 $\mu = 1$ (select μ according to the diagram for other than nominal flow values)
 Q heat transfer rate for other temperatures [W]

CROSS SECTION OF COIL-PT



LONGITUDINAL SECTION COIL-PT



HEAT TRANSFER RATE Q [W] COIL - PT

		length L (mm) 900		
		15	20	22
mean water temperature t_w	90	436	396	381
	80	358	320	305
	70	283	248	234
	50	151	122	111
		length L (mm) 1000		
		15	20	22
mean water temperature t_w	90	509	462	444
	80	417	373	356
	70	331	289	273
	50	176	142	129
		length L (mm) 1250		
		15	20	22
mean water temperature t_w	90	691	628	603
	80	566	506	483
	70	449	393	371
	50	239	193	175
		length L (mm) 1500		
		15	20	22
mean water temperature t_w	90	873	793	761
	80	715	640	610
	70	567	496	469
	50	302	244	221
		length L (mm) 1750		
		15	20	22
mean water temperature t_w	90	1 055	958	920
	80	864	773	737
	70	685	600	566
	50	365	294	267
		length L (mm) 2000		
		15	20	22
mean water temperature t_w	90	1 237	1 123	1 079
	80	1 013	906	864
	70	803	703	664
	50	428	345	313
		length L (mm) 2500		
		15	20	22
mean water temperature t_w	90	1 600	1 454	1 396
	80	1 311	1 173	1 119
	70	1 039	910	859
	50	553	446	406
		length L (mm) 3000		
		15	20	22
mean water temperature t_w	90	1 964	1 784	1 713
	80	1 609	1 439	1 373
	70	1 275	1 116	1 055
	50	679	548	498

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