



## TYP WT

Rectangular hot water heat exchanger for the reheating of airflows, suitable for VAV terminal units Type TVR, TZ-Silenzio, TVJ or TVT, and mechanical self-powered CAV controllers Type EN

- For hot water up to 100 °C
- Horizontal water connection
- Copper tubes arranged in two rows, with aluminium fins
- Maximum water-side operating pressure is 16 bar
- Casing air leakage to EN 15727, class D

## Application

### Application

- Hot water heat exchanger Type WT for reheating the airflow in rectangular ducting
- For VAV terminal units TZ-Silenzio, TVZ, TVJ, and TVT, and for CAV controllers EN
- For hot water up to 100 °C

## Description

### Parts and characteristics

- Ready-to-install heat exchanger
- Copper tubes arranged in two rows

### Construction features

- Rectangular casing
- Flanges on both ends for connection to ductwork
- Maximum water-side operating pressure is 16 bar
- Horizontal water connection
- Plain copper tube ends for water connection

### Materials and surfaces

- Casing made of galvanised sheet steel
- Copper tubes
- Aluminium fins

## INFORMACJE TECHNICZNE

<b>Nominal sizes for TZ-Silenzio and TVZ</b>	125 – 400 mm
<b>Nominal sizes for TVJ, TVT and EN</b>	200 × 100 to 1000 × 1000 mm
<b>Volume flow rate range</b>	15 – 6000 l/s
<b>Volume flow rate range</b>	55 – 21600 m <sup>3</sup> /h
<b>Thermal capacity</b>	0.4 – 117 kW
<b>Maximum hot water temperature</b>	100 °C
<b>Maximum water-side operating pressure</b>	16 bars
<b>Water-side differential pressure</b>	0.1 – 25 kPa
<b>Static differential pressure</b>	25 – 170 Pa

#### WT for TZ-Silenzio and TVZ

Nominal size	V		Δp <sub>s</sub>	PWW 50/40, t <sub>e</sub> = 16 °C					PWW 70/55, t <sub>e</sub> = 16 °C				
	l/s	m <sup>3</sup> /h		Q	t <sub>e</sub>	m <sub>w</sub>	Δp <sub>s</sub>	Q	t <sub>e</sub>	m <sub>w</sub>	Δp <sub>s</sub>		
			kW	°C	kg/h	kPa	kW	°C	kg/h	kPa			
125	15	54	5	0.40	37.8	34	0.2	0.64	51.4	37	0.2		
	35	126	10	0.77	34.3	66	0.7	1.24	45.5	71	0.8		
	60	216	25	1.12	31.5	96	1.5	1.80	40.9	103	1.6		
	95	342	55	1.49	29.1	128	2.5	2.41	37.0	138	2.7		
	150	540	120	1.95	26.8	168	4.1	3.14	33.4	180	4.5		
160	25	90	5	0.65	37.6	56	0.1	1.05	51.0	60	0.1		
	65	234	15	1.36	33.4	117	0.5	2.20	44.0	126	0.6		
	100	360	25	1.82	31.1	157	0.9	2.93	40.3	168	1.0		
	170	612	70	2.53	28.3	217	1.7	4.07	35.9	233	1.9		
	250	900	140	3.16	26.5	271	2.6	5.08	32.9	291	2.8		
200	40	144	5	1.07	38.3	92	0.1	1.74	52.1	100	0.1		
	110	396	10	2.41	34.2	207	0.4	3.89	45.3	223	0.4		
	180	648	25	3.39	31.6	291	0.8	5.46	41.2	313	0.8		
	280	1008	50	4.48	29.3	385	1.3	7.22	37.4	414	1.4		
	405	1458	100	5.58	27.4	480	1.9	8.98	34.4	515	2.1		
250	60	216	5	1.58	37.9	136	0.2	2.56	51.4	147	0.2		
	170	612	15	3.55	33.3	305	0.9	5.72	43.9	328	1.0		
	280	1008	30	4.96	30.7	426	1.8	7.98	39.7	458	1.9		
	470	1692	75	6.80	28.0	585	3.2	10.95	35.3	628	3.5		
	615	2214	125	7.94	26.7	683	4.3	12.77	33.2	732	4.6		
315	105	378	5	2.75	37.7	236	0.5	4.44	51.1	255	0.5		
	265	954	10	5.64	33.7	485	1.8	9.10	44.5	522	1.9		
	420	1512	25	7.72	31.3	664	3.1	12.44	40.6	713	3.4		
	720	2592	65	10.79	28.4	928	5.8	17.37	36.0	996	6.3		
	1025	3690	125	13.23	26.7	1138	8.5	21.29	33.2	1221	9.2		
400	170	612	5	4.43	37.6	381	0.7	7.17	51.0	411	0.7		
	445	1602	15	9.30	33.3	800	2.5	15.00	44.0	860	2.8		
	710	2556	30	12.73	30.9	1094	4.5	20.51	40.0	1176	4.9		
	1250	4500	80	18.00	28.0	1548	8.6	28.97	35.2	1661	9.4		
	1680	6048	135	21.32	26.5	1833	11.8	34.30	32.9	1966	12.8		

Q: Thermal capacity  
PWW: Fully pumped heating system, flow temperature/return temperature  
t<sub>i</sub>: Inlet air/flow temperature  
t<sub>e</sub>: Outlet air/flow temperature  
m<sub>w</sub>: Water flow rate  
Δp<sub>s</sub>: Water-side differential pressure  
Δp<sub>st</sub>: Static differential pressure

Rectangular hot water heat exchangers for reheating the airflow in air conditioning systems  
Dimensions fit VAV terminal units TZ-Silenzio, TVZ, TVJ, and TVT, as well as CAV controllers EN.  
Flanges on both ends, suitable for duct connection.

Casing air leakage to EN 15727, class D.

Materials and surfaces

- Casing made of galvanised sheet steel
- Copper tubes
- Aluminium fins

Technical data

- Volume flow rate range: 15 to 6000 l/s or 55 to 21600 m<sup>3</sup>/h
- Thermal capacity: 0.4 – 115 kW
- Maximum water temperature: 100 °C
- Maximum water-side operating pressure: 16 bar
- Water-side differential pressure: 0.1 – 25 kPa
- Static differential pressure: 25 – 170 Pa

**WT for TZ-Silenzio and TVZ**

<b>WT / 160</b>	
1	2

1 Type	2 Nominal size
<b>WT</b> Hot water heat exchanger for VAV terminal units TZ-Silenzio and TVZ	125
	160
	200
	250
	315
	400

**WT for TVJ, TVT and EN**

<b>WT / 400x200</b>	
1	2

1 Type	2 Nominal size [mm]
<b>WT</b> Hot water heat exchanger for CAV controllers EN and for VAV terminal units TVJ and TVT	B × H