



Hot Water Heaters

WHWQ

Introduction

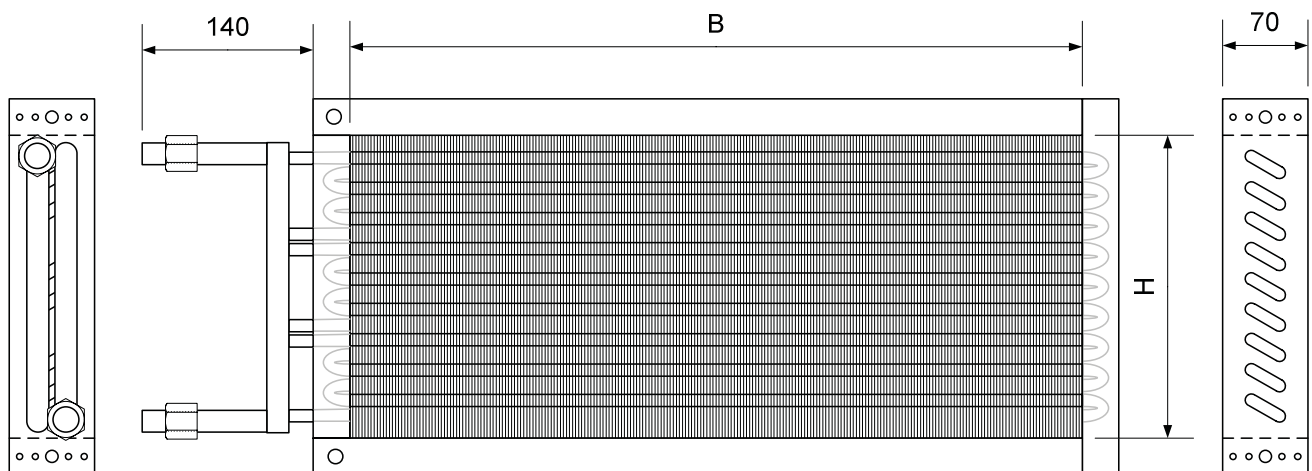
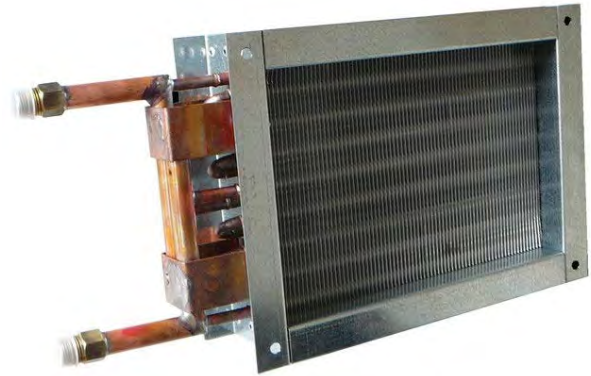
The WHWQ is a LPHW heating coil assembly developed for the re-heating of airstreams in ventilation systems and is used in conjunction with the WVS variable air volume damper series of products. Available with 1 or 2 rows as standard.

Product Description

WHWQ-1 Single row heater
WHWQ-2 Double row heater

Features

- High heating capacity
- Low air resistance
- Suitable for use with WVS
- Maximum working pressure : 1500 kPa
- Flange : Galvanised Steel (18 swg)
- Coil : Aluminium fins/Copper tubing
- 1 or 2 row coils as standard. 4 rows on request.
- Connection: ½" NPT



Type WHWQ 2 row re-heating coil

Table:

Model	100	125	160	200	250	315	355	400
B	300	300	300	400	400	400	600	600
H	200	200	200	250	300	350	400	400

Order Example

WHWQ-2 / 315

Type _____
Nominal size 350x400mm _____



Hot Water Heaters WHWQ

Model	Air Volume (m ³ /h)	Pressure Loss Pa	1-Row Air in Temp 16 °C Water in 82 °C-out 71 °C				1-Row Air in Temp 16 °C Water in 70 °C-out 55 °C				2-Row Air in Temp 16 °C Water in 70 °C-out 55 °C				2-Row Air in Temp 16 °C Water in 50 °C-out 40 °C			
			Q kW	Air out °C	Water Quantity L/h	ΔP _w kPa	Q kW	Air out °C	Water Quantity L/h	ΔP _w kPa	Q kW	Air out °C	Water Quantity L/h	ΔP _w kPa	Q kW	Air out °C	Water Quantity L/h	ΔP _w kPa
100	35	1	0.32	43.4	25	0.1	0.22	34.5	13	0.0	0.40	50.6	25	0.2	0.24	36.4	20	0.1
	106	9	0.61	33.3	50	0.3	0.39	27.0	24	0.1	0.83	39.6	50	0.7	0.50	30.2	45	0.6
	160	20	0.75	30.1	60	0.4	0.46	24.6	27	0.1	1.04	35.6	60	1.0	0.63	27.8	55	0.9
	213	33	0.85	28.0	65	0.5	0.51	23.3	30	0.1	1.22	33.3	70	1.3	0.74	26.4	65	1.2
	266	48	0.96	26.9	75	0.6	0.60	22.8	38	0.2	1.39	31.7	80	1.7	0.82	25.2	70	1.3
125	57	1	0.56	45.6	45	0.3	0.39	36.3	22	0.1	0.68	52.0	40	0.6	0.43	38.5	40	0.6
	168	9	1.07	35.1	85	0.9	0.70	28.5	40	0.2	1.41	41.3	80	1.9	0.86	31.4	75	1.7
	253	19	1.33	31.8	105	1.3	0.86	26.3	50	0.3	1.83	37.7	105	3.1	1.10	29.1	95	2.6
	337	32	1.55	29.8	120	1.6	0.99	24.9	57	0.4	2.17	35.4	125	4.2	1.30	27.6	110	3.4
	421	47	1.74	28.4	135	2.0	1.11	24.0	65	0.6	2.48	33.8	145	5.5	1.49	26.7	130	4.5
160	97	2	0.89	43.6	70	0.1	0.60	34.7	35	0.0	1.11	50.3	65	0.2	0.68	37.0	60	0.2
	279	10	1.65	33.7	130	0.3	1.04	27.3	60	0.1	2.23	40.0	130	0.8	1.34	30.4	115	0.6
	418	21	2.04	30.7	160	0.5	1.28	25.3	75	0.1	2.82	36.3	160	1.2	1.71	28.3	150	1.0
	558	35	2.37	28.8	185	0.6	1.46	23.9	85	0.2	3.33	34.0	190	1.6	2.01	26.8	175	1.3
	697	52	2.66	27.5	210	0.8	1.62	23.0	95	0.2	3.80	32.4	220	2.0	2.26	25.8	195	1.6
200	156	1	1.57	46.3	125	0.2	1.10	37.1	65	0.0	1.89	52.3	110	0.3	1.16	38.2	100	0.3
	439	8	2.94	36.1	230	0.5	1.96	29.5	115	0.1	3.85	42.3	220	1.1	2.33	32.0	200	0.9
	658	16	3.69	32.9	290	0.7	2.41	27.0	140	0.2	4.95	38.6	280	1.6	2.98	29.6	250	1.3
	878	27	4.33	30.8	340	0.9	2.77	25.5	160	0.2	5.94	36.3	340	2.3	3.55	28.2	300	1.8
	1097	40	4.87	29.3	380	1.1	3.10	24.5	180	0.3	6.79	34.6	390	2.9	4.08	27.2	350	2.4
250	240	1	2.52	47.5	200	0.4	1.80	38.5	105	0.1	2.99	53.3	170	0.9	1.85	39.1	160	0.8
	690	9	4.83	37.0	380	1.4	3.31	30.5	190	0.4	6.29	43.4	360	3.2	3.85	32.7	330	2.8
	1035	18	6.10	33.7	480	2.0	4.15	28.1	240	0.6	8.19	39.8	470	5.1	4.99	30.5	430	4.4
	1380	29	7.16	31.6	560	2.7	4.80	26.5	275	0.8	9.79	37.3	560	7.0	5.95	29.0	510	5.9
	1725	44	8.09	30.1	630	3.3	5.40	25.4	310	0.9	11.25	35.6	650	9.0	6.83	27.9	590	7.6
315	392	2	3.63	43.8	280	0.4	2.57	35.7	150	0.1	4.47	50.3	260	1.0	2.75	37.1	240	0.9
	1101	14	6.79	34.5	530	1.4	4.57	28.5	260	0.4	9.03	40.7	520	3.4	5.52	31.1	480	3.0
	1651	30	8.55	31.6	670	2.0	5.70	26.4	330	0.6	11.65	37.2	670	5.4	7.08	28.9	610	4.6
	2202	49	10.01	29.7	780	2.7	6.60	25.0	380	0.8	13.89	35.0	800	7.3	8.40	27.5	720	6.1
	2752	73	11.29	28.3	880	3.3	7.35	24.1	420	0.9	15.80	33.3	900	9.0	9.57	26.5	820	7.7
355	504	2	4.73	44.2	370	0.3	3.29	35.7	190	0.1	5.77	50.4	330	0.6	3.53	37.0	300	0.5
	1401	13	8.78	34.8	690	0.9	5.89	28.7	340	0.2	11.58	40.9	660	2.1	7.04	31.1	600	1.8
	2102	26	11.02	31.8	860	1.3	7.29	26.5	420	0.4	14.95	37.4	850	3.3	9.08	29.0	780	2.8
	2803	44	12.92	29.9	1010	1.7	8.46	25.1	490	0.5	17.87	35.2	1025	4.5	10.81	27.6	930	3.8
	3503	65	14.58	28.5	1140	2.1	9.41	24.1	540	0.6	20.54	33.6	1200	6.0	12.31	26.6	1060	4.8
400	647	2	6.22	44.8	485	0.5	4.39	36.4	250	0.2	7.54	51.0	430	1.2	4.65	37.6	400	1.0
	1783	13	11.53	35.4	900	1.6	7.89	29.3	450	0.5	15.22	41.7	875	4.1	9.30	31.7	800	3.5
	2674	26	14.56	32.4	1140	2.4	9.82	27.1	560	0.7	19.80	38.3	1150	6.6	12.00	29.5	1030	5.4
	3565	44	17.11	30.4	1340	3.2	11.41	25.7	650	0.9	23.55	35.9	1350	8.7	14.31	28.1	1230	7.4
	4456	65	19.36	29.1	1520	4.0	12.87	24.7	740	1.1	26.97	34.2	1550	11.1	16.33	27.0	1400	9.3