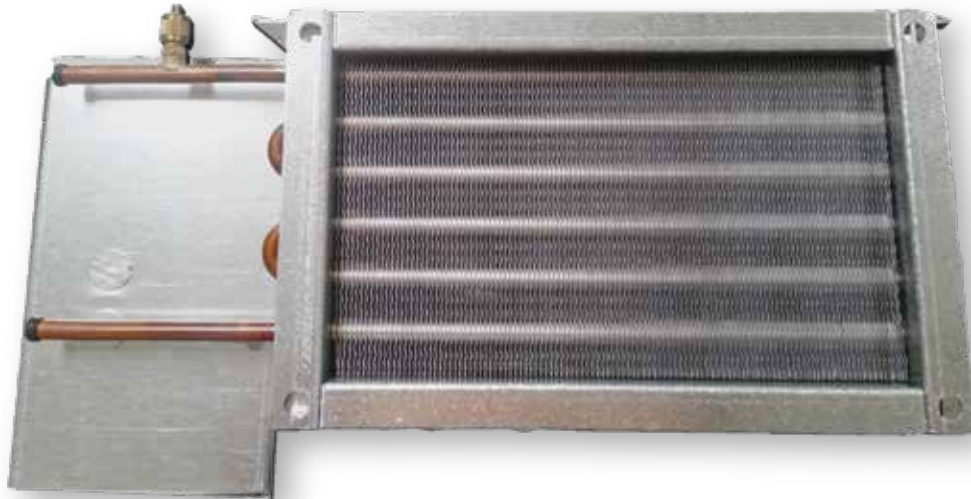




Hot Water Reheat Coil

For TVB





General Information	2	Air Flow	3
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General Information

Hot Water Reheat Coil

- For terminal reheat of primary air.
- Has flanged connections on both ends of the hot water coil.
- Hot water coil is made from copper tubes with aluminium fin plates.
- Available with either two or four rows of heating coil.
- Hot water connections on the side of the coil.
- Refer to the selection graph for hot water coil.

Order Code

HWC-2RR / size
HWC-4RR / size

Construction and Dimension

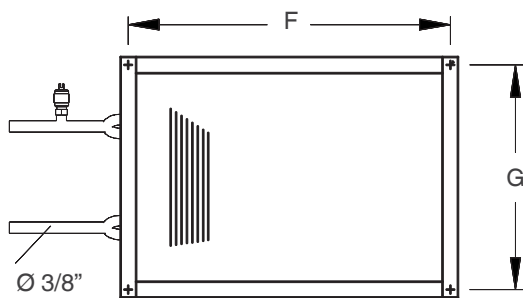
No. of Row	Size	4	5	6	7	8	10	12	14	16
2RR	kg	3.0	3.0	3.0	4.8	4.8	6.0	8.3	10.1	11.8
4RR	kg	5.4	5.4	5.4	8.6	8.6	10.8	14.9	18.2	21.2

Table 1 : Weight (dry) of hot water coils

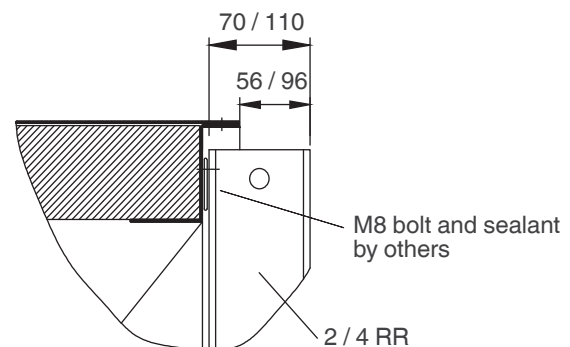
Size	4	5	6	7	8	10	12	14	16
F	268	268	268	268	268	323	368	468	568
G	171	171	171	222	222	279	349	418	418

Table 2 : Dimensions in mm

Hot Water Reheat Coil



Hot Water Coil Connection for TVB-A/B





Air Flow

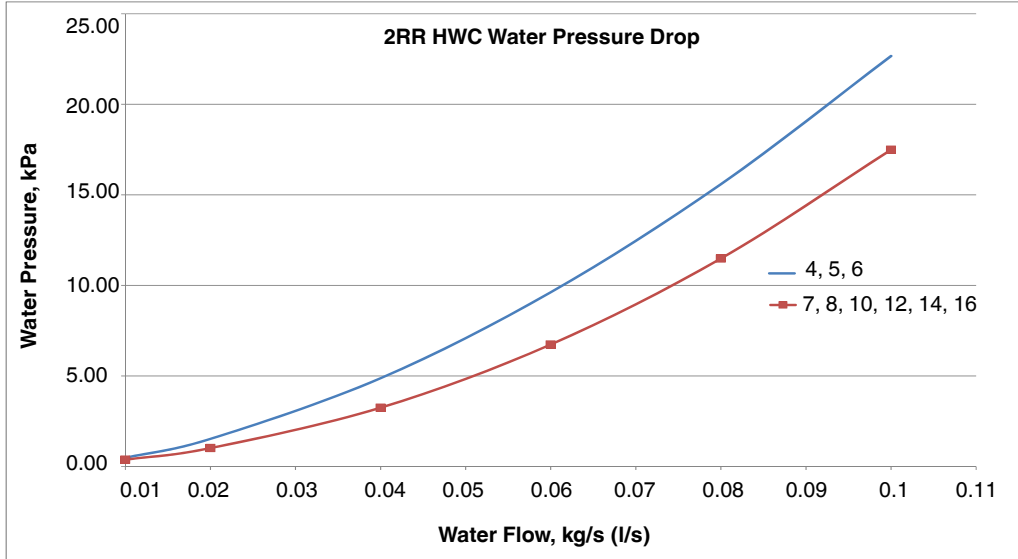
Table 3 : Recommended air flow range and minimum working pressure

Size	\dot{V}		$\Delta P_{st\ min}$ in Pa			
			TVB-A with reheat coil		TVB-B with reheat coil	
	l/s	CFM	2RR	4RR	2RR	4RR
4	10	21	22	24	22	24
	45	95	40	60	45	65
	70	148	105	170	130	195
	100	212	175	275	230	330
5	20	42	22	24	22	24
	80	170	40	60	40	60
	125	265	85	150	105	170
	165	350	130	230	170	270
6	25	53	22	24	22	24
	100	212	40	60	40	60
	155	325	85	150	85	150
	215	456	120	220	120	220
7	30	64	22	24	22	24
	140	297	40	60	40	60
	220	466	85	150	85	150
	300	636	120	220	120	220
8	40	85	22	24	22	24
	175	371	40	60	40	60
	275	583	85	150	85	150
	380	805	120	220	120	220
10	65	138	22	24	22	24
	300	636	40	60	40	60
	470	996	85	150	85	150
	640	1356	120	220	120	220
12	100	212	22	24	22	24
	450	954	40	60	40	60
	700	1483	85	150	85	150
	1000	2119	120	220	120	220
14	150	318	22	24	22	24
	700	1483	40	60	40	60
	1100	2331	85	150	85	150
	1500	3178	120	220	120	220
16	190	403	22	24	22	24
	880	1865	40	60	40	60
	1380	2924	85	150	85	150
	1890	4005	120	220	120	220



Reheat Coil Selection

Mean water pressure drop for unit size 4 to 16



Correction factors

No. of rows	2RR
Δ L in dB(A) or NC	+6

Water pressure drop against total mass water flow 2-row hot water coil (2RR).

Selection diagram

