

# WATERCOOLED AFTERCOOLERS



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Air Solutions Group  
Davidson, NC 28036

## WATERCOOLED AFTERCOOLERS Rotary Units - 200°F Inlet and 125 PSIG

CTD Model No.	5 Degrees			10 Degrees			15 Degrees			20 Degrees		
	CFM	DP	GPM	CFM	DP	GPM	CFM	DP	GPM	CFM	DP	GPM
<b>Fixed Tubesheet</b>												
WCFB1							48	1.6	1.4	106	2.0	1.5
WCFB2							171	1.6	2.5	196	2.0	2.7
WCFB3							270	1.6	3.9	311	2.0	4.2
WCFB4							427	1.6	6.1	491	2.0	6.6
WCFB5							741	1.6	11.0	852	2.0	12.0
WCFB6							1455	2.0	21.0	1469	2.0	20.0
WCFB7							2134	2.0	31.0	2163	2.0	29.0
WCFB8							4236	2.0	61.0	4293	2.0	58.0
WCFB9							6847	2.0	98.0	6940	2.0	93.0
WCFB10							9904	2.0	141.0	10037	2.0	135.0
<b>Fixed Tubesheet</b>												
WCFB1CA	47	0.6	0.8	96	2.0	1.5						
WCFB2CA	87	0.6	1.4	177	2.0	2.7						
WCFB3CA	139	0.6	2.2	281	2.0	4.3						
WCFB4CA	219	0.6	3.5	444	2.0	6.7						
WCFB5CA	380	0.6	6.0	769	2.0	12.0						
WCFB6CA	725	0.7	12.0	1332	2.0	20.0						
WCFB7CA	1064	0.7	17.0	1954	2.0	30.0						
WCFB8CA	2112	0.7	34.0	3878	2.0	59.0						
WCFB9CA	3414	0.7	54.0	6269	2.0	94.0						
WCFB10CA	4938	0.7	78.0	9067	2.0	136.0						
<b>Removable Bundle</b>												
RBWC1	45	0.1	0.8	122	0.3	1.9	226	0.8	3.3	357	1.8	4.8
RBWC2	95	0.1	1.5	265	0.3	4.0	504	1.0	7.2	751	2.0	10.0
RBWC3	170	0.1	2.7	471	0.3	7.1	896	1.0	13.0	1336	2.0	18.0
RBWC4	276	0.1	4.4	766	0.3	12.0	1457	1.0	21.0	2172	2.0	29.0
RBWC5	548	0.1	8.7	1556	0.4	24.0	3018	1.0	43.0	4177	2.0	56.0
RBWC6	937	0.1	15.0	2661	0.4	40.0	5162	1.1	74.0	7143	2.0	96.0
RBWC7	1431	0.1	23.0	4062	0.4	61.0	7878	1.1	112.0	10902	2.0	146.0
RBWC8	1776	0.1	28.0	5042	0.4	76.0	9780	1.1	139.0	13534	2.0	181.0
RBWC9	2396	0.1	38.0	6801	0.4	102.0	13191	1.1	188.0	18254	2.0	244.0
<b>Removable Bundle</b>												
PLWC1	46	0.1	0.8	126	0.3	1.9	238	0.8	3.4	384	1.9	5.2
PLWC2	81	0.1	1.3	233	0.3	3.5	453	1.0	6.5	691	2.0	9.3
PLWC3	122	0.1	2.0	349	0.3	5.3	680	1.0	9.7	1037	2.0	14.0
PLWC4	245	0.1	3.9	699	0.3	11.0	1361	1.0	20.0	2075	2.0	28.0
PLWC5	462	0.1	7.3	1347	0.3	21.0	2675	1.1	38.0	3805	2.0	51.0
PLWC6	770	0.1	13.0	2246	0.3	34.0	4459	1.1	64.0	6342	2.0	85.0
PLWC7	1204	0.1	19.0	3512	0.3	53.0	6972	1.1	99.0	9916	2.0	133.0
PLWC8	1498	0.1	24.0	4370	0.3	66.0	8675	1.1	124.0	12338	2.0	165.0
PLWC9	2002	0.1	32.0	5840	0.3	88.0	11593	1.1	165.0	16489	2.0	221.0

- Notes:**
1. Initial suction conditions of 14.5 PSIA, 75°F and 50% relative humidity.
  2. Cooling water is 80°F and a 20°F rise has been designed.
  3. For 100 PSIG applications, please contact Davidson Product Management.