

TFC SERIES FLUID COOLERS

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- Heavy gauge galvanized steel cabinet
- Direct drive 1,140 RPM energy efficient fan motors
- High efficiency cooling coil with copper tubes and aluminum fins
- Single point electrical connection
 - Branch circuit protection
 - Non-fused disconnect
- Fan cycling based on fluid temperature



TFC-100 shown

Energy Saving System For Industrial Cooling

TempTek TFC Series fluid coolers are used in many process cooling applications. As an alternative to traditional cooling towers, TFC Series fluid coolers provide a true closed loop system when fluid temperatures of 15°F above ambient are acceptable. Substantial energy savings and reduced chiller wear and tear can be achieved by using TFC Series fluid coolers in lieu of a chiller during the winter when ambient temperature are low enough to provide the required cooling without mechanical refrigeration.

	Model ¹	TFC-20	TFC-30	TFC-40	TFC-50	TFC-60	TFC-70	TFC-80	TFC-90	TFC-100	
Capacity	Tons ²	20	30	40	50	60	70	80	90	100	
Fans	Quantity	2	3	3	5	5	5	6	6	8	
Flow	GPM	51	76	102	127	152	177	204	228	254	
Delta P (psi)	PSI	9	10	5.7	5.7	7.8	6.9	10.5	12.7	3.1	
Volume	In Coil (cu ft)	1.73	2.44	4.03	4.03	4.29	5.21	6.12	6.12	9.28	
	In Coil (gal)	12.9	18.3	30.1	30.1	32.1	39.0	45.8	45.8	69.4	
Temperatures³	Delta T ⁶	15	15	15	15	15	15	15	15	15	
	Outlet Temp (F)	50	50	50	50	50	50	50	50	50	
	Fluid Inlet Temp (F)	60	60	60	60	60	60	60	60	60	
	Entering Air Temp (F)	35	35	35	35	35	35	35	35	35	
Connections⁴	Process	2 ⁵ / ₈ "	2 ⁵ / ₈ "	3 ¹ / ₈ "	3 ¹ / ₈ "	4 ¹ / ₈ "	4 ¹ / ₈ "	4 ¹ / ₈ "	4 ¹ / ₈ "	5 ¹ / ₈ "	
	Length	96 ¹ / ₂ "	143 ¹ / ₂ "	182 ¹ / ₂ "	302 ¹ / ₂ "	302 ¹ / ₂ "	302 ¹ / ₂ "	362 ¹ / ₂ "	362 ¹ / ₂ "	242 ¹ / ₂ "	
	Width	45 ¹ / ₈ "	45 ¹ / ₈ "	45 ¹ / ₈ "	45 ¹ / ₈ "	45 ¹ / ₈ "	45 ¹ / ₈ "	45 ¹ / ₈ "	45 ¹ / ₈ "	87 ⁵ / ₈ "	
Dimensions	Height	48 ¹ / ₂ "	48 ¹ / ₂ "	48 ¹ / ₂ "	48 ¹ / ₂ "	48 ¹ / ₂ "	48 ¹ / ₂ "	48 ¹ / ₂ "	48 ¹ / ₂ "	48 ¹ / ₂ "	
	Weight	Shipping (lbs)	750	1,070	1,310	2,300	2,300	2,530	3,150	3,150	3,460
		Operating (lbs)	860	1,225	1,565	2,555	2,570	2,855	3,530	3,530	4,040
Power Required	FLA @ 230/3/60	12.4	18.6	18.6	31.0	31.0	31.0	37.2	37.2	49.6	
	FLA @ 460/3/60	6.2	9.3	9.3	15.5	15.5	15.5	18.6	18.6	24.8	
	Reference	27	41	48	79	79	85	103	103	137	

Notes:

1. Specifications subject to change without notice or liability.
2. Tons = 12,000 Btu/hr.
3. Selections based on 30% Propylene glycol, 70% water.
Additional glycol may be required to protect the unit from freezing.
4. Connection type: copper sweat fittings.
5. High altitude correction factors: .94 for 2,000 ft;
.88 for 4,000 ft; .81 for 6,000 ft.
6. Leaving fluid - entering air.



since 1989

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Since product innovation and improvement is our constant goal, all features and specifications are subject to change without notice.