

Near drop-in replacement for single pass OEM designs



Design Features and Ratings

Models	Nom. Cap. Tons	Pressure Drop (psi)	A	B	D	E	K	Water In & Out (mpt)	Refrig. Inlet (ids)	Refrig. Outlet (ids)	Working Pressure (psi)		Weight (lbs)
											Shell Side	Tube Side	
1-Circuit													
ERS00336	4.0	2.1	4	49.13	34.63	10.50	8.50	1 1/8* (ids)	5/8	1 1/8	225	225	190
ERS00424	3.9	3.5	4	37.13	22.12	10.88	8.88	1 3/8* (ids)	7/8	1 3/8	225	225	180
ERS00436	7.1	2.4	4	49.13	34.13	10.88	8.88	1 3/8* (ids)	7/8	1 3/8	225	225	200
ERS00448	9.7	4.6	4	61.13	46.13	10.88	8.88	1 3/8* (ids)	7/8	1 3/8	225	225	220
ERS00536	9.8	2.7	6	49.13	33.63	12.06	9.06	1 5/8* (ids)	7/8	2 1/8	225	225	280
ERS00548	14.0	2.7	5	60.94	45.62	12.06	9.06	1 5/8* (ids)	7/8	2 1/8	225	225	320
ERS00560	18.2	3.8	6 5/8	73.13	57.63	12.69	9.38	1 5/8* (ids)	7/8	2 1/8	200	300	320
ERS00636	16.0	5.1	6 5/8	45.63	32.00	11.38	8.06	3	1 1/8	2 1/8	200	300	330
ERS00648	21.4	2.7	6 5/8	57.63	44.00	11.38	8.06	3	1 1/8	2 1/8	200	300	360
ERS00660	27.7	4.8	8 5/8	69.63	56.00	11.38	8.06	3	1 1/8	2 1/8	200	300	530
ERS00736	27.5	4.3	8 5/8	47.13	32.13	14.06	10.13	3	1 1/8	2 5/8	200	300	460
ERS00748	34.6	3.7	8 5/8	59.13	44.13	14.06	10.13	3	1 1/8	2 5/8	200	300	500
ERS00760	40.9	3.8	8 5/8	71.13	56.13	14.06	10.13	3	1 1/8	2 5/8	200	300	550
ERS00848	44.9	5.9	10 3/4	59.88	41.50	15.19	10.69	3	1 1/8	2 5/8	200	300	670
ERS00860	53.9	4.2	10 3/4	71.88	53.50	15.19	10.69	3	1 1/8	2 5/8	200	300	720
ERS01048	54.2	3.6	10 3/4	60.50	41.50	16.56	11.50	4	1 3/8	3 1/8	200	300	680
ERS01060	68.4	4.5	10 3/4	72.50	53.50	16.56	11.50	4	1 3/8	3 1/8	200	300	740
ERS01160	84.6	4.9	12 3/4	73.00	53.50	17.69	12.06	4	1 3/8	3 1/8	200	300	960
ERS01260	93.3	6.0	12 3/4	73.63	53.50	18.94	12.75	4	1 5/8	3 1/8	200	300	970
ERS01360	111.4	5.9	14	74.25	53.50	20.06	13.31	4	1 5/8	3 1/8	200	300	1150
2-Circuit													
ERD00636	16.0	5.1	6 5/8	47.50	32.00	11.38	8.06	3	7/8	1 5/8	200	300	330
ERD00648	21.4	2.7	6 5/8	59.50	44.00	11.38	8.06	3	7/8	1 5/8	200	300	360
ERD00660	27.7	4.8	8 5/8	71.50	56.00	11.38	8.06	3	7/8	1 5/8	200	300	530
ERD00736	27.5	4.3	8 5/8	50.50	32.13	14.06	10.13	3	7/8	1 5/8	200	300	460
ERD00748	34.6	3.7	8 5/8	62.50	44.13	14.06	10.13	3	7/8	1 5/8	200	300	500
ERD00760	40.9	3.8	8 5/8	74.50	56.13	14.06	10.13	3	7/8	1 5/8	200	300	550
ERD00848	44.9	5.9	10 3/4	63.13	41.50	15.19	10.69	3	1 1/8	2 1/8	200	300	670
ERD00860	53.9	4.2	10 3/4	75.13	53.50	15.19	10.69	3	1 1/8	2 1/8	200	300	720
ERD01048	54.2	3.6	10 3/4	65.13	41.50	16.56	11.50	4	1 1/8	2 1/8	200	300	680
ERD01060	68.4	4.5	10 3/4	77.13	53.50	16.56	11.50	4	1 1/8	2 1/8	200	300	740
ERD01160	84.6	4.9	12 3/4	77.63	53.50	17.69	12.06	4	1 3/8	2 5/8	200	300	960
ERD01260	93.3	6.0	12 3/4	78.25	53.50	18.94	12.75	4	1 3/8	2 5/8	200	300	970
ERD01360	111.4	5.9	14	78.88	53.50	20.06	13.31	4	1 5/8	3 1/8	200	300	1150

Insulation available upon request.

Water Flow Rates

There is one baffle configuration per ER model. As a result, the water flow rate at the job site will need to be adjusted to obtain the design water flow rate. At a range of 10°F, the water flow rate should be 2.4 gpm/ton.

Construction Materials

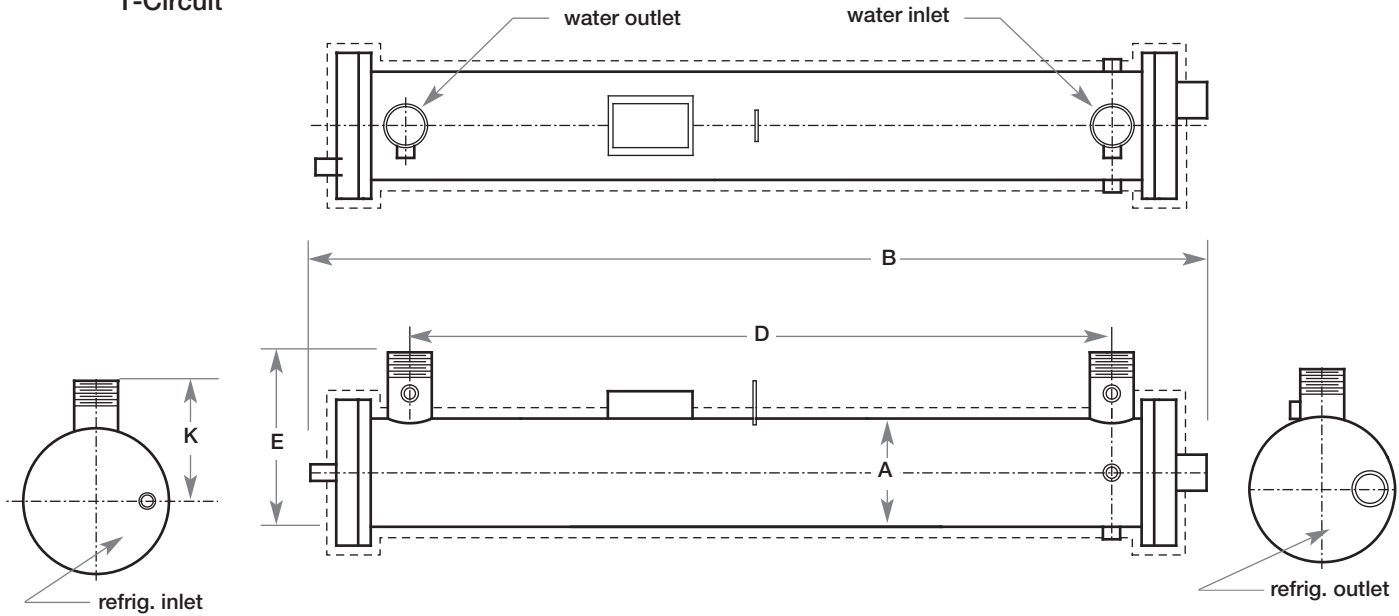
ER evaporator shells are constructed with ASME grade carbon steel. Enhanced copper tubing is mechanically expanded for

a superior seal into machined carbon steel tubesheets. Tubing wall thickness is 0.018". Removable endplates, refrigerant and water connections are constructed from carbon steel. All baffles are made from corrosion-resistant materials.

Refrigerant Connections

The refrigerant side configuration for the ER evaporators is 3-Pass with nozzles at opposite ends. As a result, the refrigerant nozzles are on the same ends, but may not be in the same locations as the other OEM Single Pass evaporators.

**ERS
1-Circuit**



**ERD
2-Circuit**

