

EVAPORATIVE CONDENSER

The Evaporative Condenser is one of the most important parts of the whole Refrigeration System. The Condenser condenses the refrigerant gas inside the coil and complete a heat exchange circle. The Evaporative Condenser is widely applied to Cold Storage, Ice-Store, Chemical Industry, Supermarket, Etc.



SALIENT FEATURES:

1. Multi section design enables easy transportation & installation.
2. Coil block is in SS 304, which minimizes the possibilities of corrosion.
3. Most easy to install, this feature place us above all competitors.
4. Substantial energy saving as compared to other type of condenser.

COMPANY PROFILE

FITZER INCORPORATION, is engage in the field of Design, Manufacturing & Exporting various types of products such as, Extruded finned tube, Serrated finned tube, Spiral finned tube, Crimped finned tube, wire wound finned tube, Helical finned tube, welded finned tube, H' type finned tube, Economizer coil, Spiral type Heat exchanger, Finned Tube Heat Exchanger, Oil coolers Fin Fan Coolers Process Gas Cooler, Air Heater, Air Pre Heater, Hydraulic oil cooler, Air Cooled Heat Exchangers & various types of Shell & Tube Heat exchangers / Evaporators / Condensers, Industrial Dehumidifiers, Blowers & Evaporative Condenser, Chilled Water Thermal Energy Storage System & Block Ice Plant, Tube Ice Plants, Flake Ice Plants. IQF Freezers,

Other Products: - Pressure, Flow, Level, Temperature Measuring Instruments

Our brand chooses to stand firm in the Indian & International market with promise, Standard & guarantee. Established by two technocrats vast experience in Stainless Steel Fabrication, Thermal Heat Transfer Systems & Refrigeration HVAC Equipment,

Our team result oriented Qualified Techno-Commercial Staff having spirit of team work, enthusiasm and a passion for excellence to deliver outstanding performance in the field of manufacturing GMP and Non GMP Equipments for Chemical, Pharmaceutical, Paints and Other Process Industries. We design and manufacture as per international standard such as ASME / TEMA .

Our products can be seen operating in refineries & petrochemical, pharmaceutical, chemical, marine, steel & various process industries.

Our products have exported our products to Africa, Middle East & Asian countries Our Quality Control facilities include trained personnel and calibrated instruments

EVAPORATIVE CONDENSER

1. The Most Energy Condensing Tool which Utilises the Fvourable ambient Condition to the maximum possible extent to conserve the energy.
2. They are available in 12 different models having minimum and maximum heat rejection capacity from 30 TR to 400 TR.
3. This Condenser are suited for Ammonia as a Refrigerent.
4. The Condenser are Designed For Optimum Thermal and Power Efficiency and Trouble free Operation.
5. The Encloser is so designed which fascilitates easy installation and Easy Access for Maintainance.

CONDENSER COIL SECTION

Most efficient designed condensing coil is made out of 19.05 mm Stainless steel tubes confirming A-249 Pressure tested at 800 PSI (55.15 bar)., The coil is fabricated from single length tube per row in such a way that all weld joints are coming at two ends only. Coil headers are also in SS 304 Construction.



WATER DISTRIBUTION SYSTEM

The water spray arrangement with large orifice ABS non-clogging, non-corroding Spray nozzles connected to insert SS supply headers designed to distribute water uniformly over the coil surfaces. Eliminators of efficient design made of corrosion proof PVC designed to give maximum water retention.



Spray Nozzle

FAN SECTIONS

Energy efficient tube axial fans having FRP (Multi-wings) with adjustable blades and driven by energy efficient weather proof 1P65/ TEFC Motors, Fan housing is made out of S.S 304 sheet.



DRIFT ELIMINATOR

High Effective Water Eliminator is made of PVC, can filter the drips from expelled air steam. Radiation Enduring and long Life span with the Access Door on the Eliminators side panels.

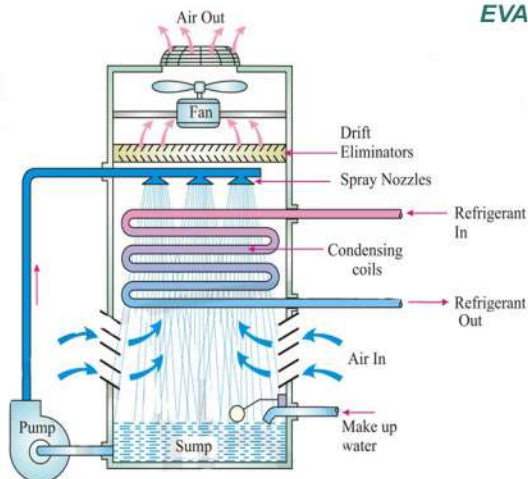


PERFORMANCE RATING

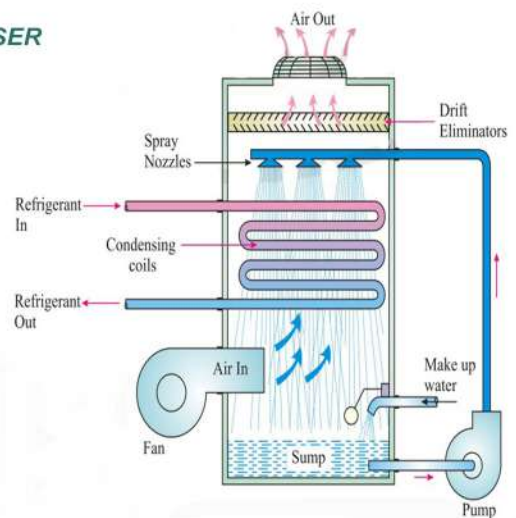
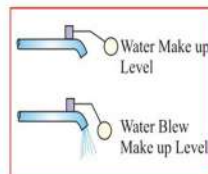
Make: FITZER Model No.	Heat Rejection Capacity (KW)	Overall Dimensions L X W X H (Mtrs)	Air Volume (CFM)	Fan Selection Size / Motor Proposed	No. of Fans	Water Circulations (LPS)	Empty Weight Kg.	Weight with Water in Sump
FITZER-EC-TR-30	105	1.7 X 0.9 X 3	6750	24" / 1.1 KW	1	2.8	1100	1560
FITZER-EC-TR-40	141	1.7 X 0.95 X 3	9000	21" / 0.75 KW	2	3.73	1300	1785
FITZER-EC-TR-50	176	1.7 X 1 X 3	11200	24" / 0.75 KW	2	4.76	1450	2000
FITZER-EC-TR-75	264	2.7 X 1 X 3.2	16800	27" / 1.5 KW	2	7.1	2100	3100
FITZER-EC-TR-100	352	3.2 X 1.2 X 3.2	22300	30" / 2.25 KW	2	9.5	2650	4000
FITZER-EC-TR-125	440	3.2 X 1.2 X 3.3	28000	36" / 2.25 KW	2	12	3050	4600
FITZER-EC-TR-150	527	3.3 X 1.5 X 3.3	33500	36" / 2.25 KW	2	14	3450	5400
FITZER-EC-TR-175	615	3.2 X 1.7 X 3.4	39100	36" / 3.7 KW	2	16	3850	6050
FITZER-EC-TR-200	703	4.2 X 1.5 X 3.4	45000	36" / 3.7 KW	2	19	4500	7335
FITZER-EC-TR-225	791	4.2 X 1.7 X 3.4	52500	36" / 3.7 KW	3	21.5	4750	7950
FITZER-EC-TR-250	879	5.2 X 1.5 X 3.4	60000	36" / 3.7 KW	3	23.75	5500	9000
FITZER-EC-TR-275	967	5.2 X 1.6 X 3.4	65000	41" / 3.7 KW	3	26.1	5750	9500
FITZER-EC-TR-300	1055	5.2 X 1.7 X 3.4	70000	41" / 5.5 KW	3	28.5	6300	10300
FITZER-EC-TR-325	1143	5.2 X 1.8 X 3.4	74100	41" / 5.5 KW	3	30.9	6500	10700
FITZER-EC-TR-350	1231	5.2 X 1.8 X 3.4	78200	41" / 5.5 KW	3	32	6800	11500
FITZER-EC-TR-375	1319	5.2 X 2.2 X 3.6	82100	41" / 5.5 KW	3	32	7450	12600
FITZER-EC-TR-400	1406	5.2 X 2.3 X 3.8	90000	48" / 7.5 KW	3	32	7700	13100

Working Diagram

EVAPORATIVE CONDENSER



Counter Flow Draw Through Type



Blow Through Type

FITZER INCORPORATION

Add : S/F-16,OMKAR COMPLEX, VALIA CHOKDI, GIDC, ANKLESHWAR, GUJARAT - 393002, INDIA

Email : fitzerincorporation@gmail.com Website : www.fitzerincorporation.com

Contact: +91 9137077904