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**TECHNOTREND
INNOVATIONS PVT. LTD.**

Delivering the Solutions...

www.technotrendinnovations.com

REFRIGERATED AIR DRYER

TrendAir
Delivering the Solutions...



• TECHNICAL SPECIFICATIONS •

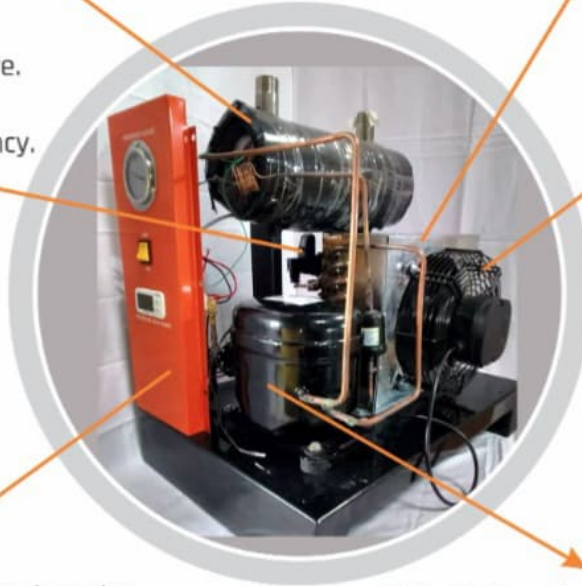
■ Working Pressure Range	4-15 Bar
■ Working Temperature Range	4° C to 45° C
■ Prefilter (Coalescing Type)	0.1 Micron
■ Post Filter	5 Micron
■ Fan	Hi Cool / Truflow
■ Compressor	Emerson / Danfoss / GMCC
■ Evaporator	Finned Tube Type
■ Inlet/Outlet Connection	1" BSP Thread / SS
■ Atmospheric Dew Point	3° C
■ Supply Power	230V/1PH/50HZ

SALIENT FEATURES

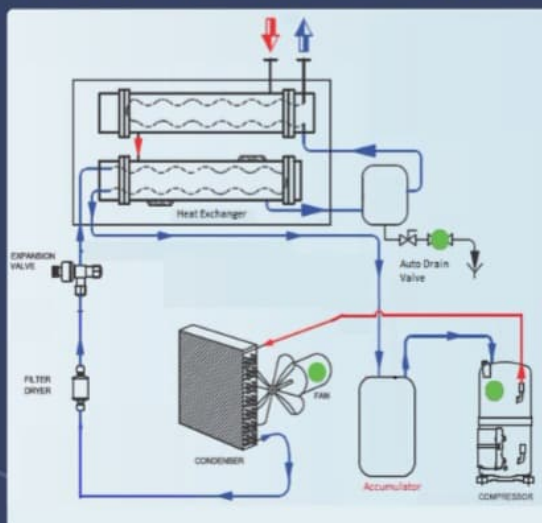
- Unique 3 in 1 proprietary designed Copper Tube & Fin type Heat Exchanger with Baffles.
- Compact design confirming to ISO 8573.1 & ISO 7183 standards.
- Only Branded Compressor(emerson) & Axial Fan (Hi Cool) With Extensive 1 Year Warranty Used.
- Optimum fin spacing in Evaporator for minimum pressure drop.
- Constant Pressure Dew Point Of 3° C at varying load conditions.
- Energy Saving Control Algorithms Incorporated.
- Easy to install, easy to maintain, low operating cost.
- Designed specifically for humid tropical conditions.
- Timer Based Zero air loss auto drain valve.
- Unique Volume Liquid Accumulator

PRODUCT DETAILS

- Proprietary Designed non corrosive copper tube fin type heat exchanger.
- Better Turbulence, low pressure drop.
- Inner Grooved Copper Tube with fins to prevent corrosion & Dust Accumulation.
- Aluminum Housing with powder coating, High thermal efficiency.
- Timer Based Auto drain valve.
- Cycle time of 3 minutes.
- universal voltage & Frequency.
- Low Noise Axial Fan.
- Less Power Consumption.
- Laser Cut GP Sheet with superior paint.
- Seven tank Process Powder Coating.
- Specifically Designed for humid Environment.
- World Class Compressor Compatible with all green refrigerant .
- High Reliability due to low vibration.
- Weight, Space Saving Design.



WORKING PRINCIPAL OF AIR DRYER



Warm Compressed air enters into the air to air heat exchanger, where it is pre-cooled by outgoing cold refrigeration air. Pre-cooling makes it possible to use a smaller "more economical" refrigeration unit. Then the pre-cooled air enters into the Freon Heat Exchanger, where it is cooled down to +3°C. At this cool temperature, moisture condenses into liquid droplets, which are removed from the air stream by a very efficient demister and automatically drained by an Automatic Drain Valve. The cold dry compressed air passes back through the secondary side of the Air to Air Heat Exchanger, where it is re-heated by the incoming warm air. Reheating the outgoing compressed air increases temperature by heat with incoming warm air. The dry air coming out from the air dryer is ready to use for instrumentation and process air applications.

SPECIFICATIONS :

TrendAir
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Model	Capacity		Max. Operating Pressure	Power Supply	Version**	Dimensions (inch)		
	m ³ /min	cfm				L	W	H
RAD - 10	17	10	15	230/1/50	BSPT (F) 1/2"	500	450	780
RAD - 20	34	20	15	230/1/50	BSPT (F) 1/2"	650	450	780
RAD - 30	51	30	15	230/1/50	BSPT (F) 1/2"	650	450	780
RAD - 40	80	40	15	230/1/50	BSPT (F) 3/4"	650	600	780
RAD - 60	100	60	15	230/1/50	BSPT (F) 3/4"	700	600	780
RAD - 80	130	80	15	230/1/50	BSPT (F) 1"	700	600	780
RAD - 100	170	100	15	230/1/50	BSPT (F) 1"	800	700	800
RAD - 200	340	200	15	230/1/50	BSPT (F) 1 1/2"	900	800	800
RAD - 300	510	300	15	230/1/50	FLANGD 2"	900	800	1000
RAD - 400	765	400	15	415/3/50	FLANGD 2"	900	900	1000
RAD - 500	935	500	15	415/3/50	FLANGD 2 1/2"	1000	1000	1100

Installation Options

Option A ➤



Compressor With After Cooler



Pre Filter



Refrigerated Air Dryer



After Filter



Air Receiver

To the Application

Option B ➤



Compressor With After Cooler



Air Receiver



Pre Filter



Refrigerated Air Dryer



After Filter

To the Application

Our Other Products



APPLICATIONS

- CNC / VMCMachine Shop
- Pharmaceutical
- Painting / Powder Coating
- Automobile
- Sugar Mill
- Textile Industry
- Steel & Cement Industry
- Foundry
- Packing
- Hospital
- General Engineering
- Petro Chemical

QUALITY :

- Hydrostatic testing of each Product is performed at Air Side & same test report will be provided with each delivered product.
- Refrigeration system is cleaned, purged and evacuated before it is charged with refrigerant.
- Dryers are tested for any leakage at our in-house designed test set up before shipment.



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Authorised Dealer :

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