



ESTABLISHED IN 1978

# REFRIGERATED AIR DRYER ECO DRY SERIES

**COOLING**  
YOUR INDUSTRY  
**OPTIMISING**  
YOUR PROCESS



**40<sup>+</sup>**

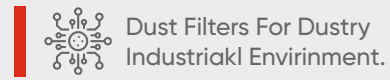
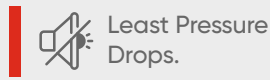
YEARS OF  
EXCELLENCE IN  
REFRIGERATION

# REFRIGERATED AIR DRYER >

## ECO DRY SERIES

### FEATURES >

- Stable Dew Point.
- Least Pressure Drops.
- Dust Filters For Dusty Industrial Environment.
- In Built Stainer Auto Drain Valve
- Small Foot Print, Less Floor Space.
- Low Energy Consumption.
- Quite Operation
- Stainless Steel Multi Channel Heat Exchanger
- High Ambient Temperature Efficient
- Air Fittings Stainless Steel 304
- GI Zero Spangle Sheet Metal
- Digital Controller



### Application :



Pneumatic Tools



CNC/VMC Machine



Plasma/Laser Cutting Machine



Packaging Machinery



Manufacturing Assemble Line



Pneumatic/Automation Systems



Precision Measuring Machine



Paint Shop



Injection Moulding



Automobile/Foundry Industry

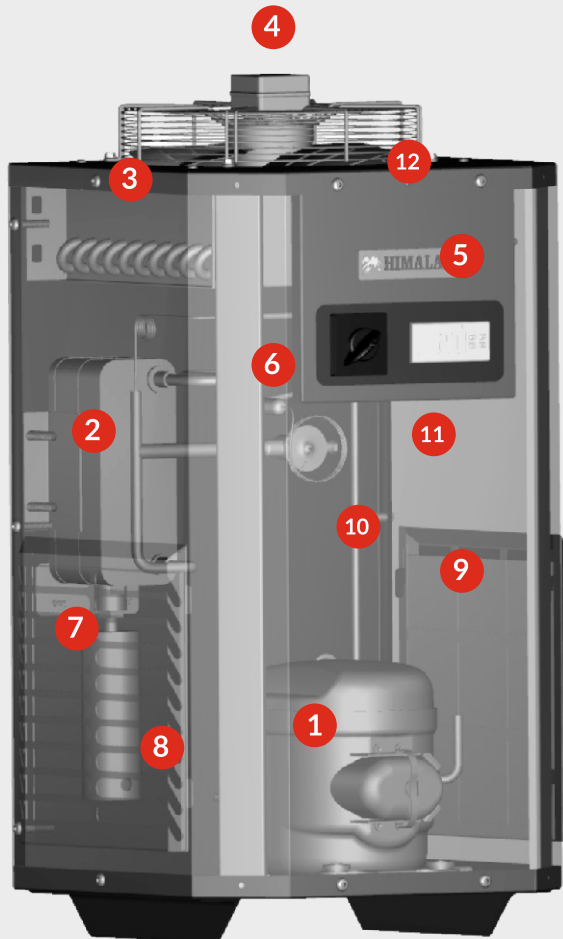
### Why Should compressed air be dried?

Compressed air contains oil, solid particles & water vapors. It is the inherent result of the compression process, which concentrates the natural water vapors & particles in the air that surrounds us. This untreated compressed air poses a substantial risk to your air system & ultimately damages your end products. Its moisture content alone can cause corrosion in pipe work, premature failure of pneumatic equipment/s, product spoilage & more. An air dryer is here fore essential to protect your systems & processes.

### How refrigerant dryers work

A refrigerant dryer uses a refrigerant circuit and heat exchanger to pre-cool air, refrigerate it to condense out moisture vapor, and then re-heat e air to prevent pipe sweating downstream.

**ECO**  
**FRIENDLY**



- 1 High Performance Compressor**  
Proven, reliable energy efficient hermetical shield compressor.
- 2 High-Efficiency Heat Exchanger**  
Counter-flow compact brazed plate exchanger, with air-to-air side for optimum cooling efficiency and the lowest possible pressure drop.
- 3 Large Size & Efficient Condenser**  
Maintaining low condensing temperature, therefore increasing the system efficiency.
- 4 Condenser Fan**  
shaded pole q motor with high cfm & energy efficient. proven long term performance.
- 5 Controller**  
Micro Processor based multi functional controller provides peace of mind through precise monitoring of dew point.
- 6 Adaptive Cooling Controller**  
Ensures stable dew point&eliminates the possibility of condensate freezing.
- 7 Drain Buffer Storage**  
The water separated from the air is stored here made of S.S 304 benefits in uncertainty of air use & helps in air loss.
- 8 Auto Drain Valve With Steiner**  
Timer controlled Drain Valve with steiner which helps in preventing of valve choke due to dust particles
- 9 Maximum Air Intake With Dust Filters**  
by providing large area of air suction from 3 sides which helps in releasing heat efficiently with large dust holding filters.
- 10 Heavy Gauge Copper Pipe**  
bright, annealed, flexible & heavy thickness copper tube makes the piping system leakage proof
- 11 Single electrical connection**  
Ensures plug-and-play installation.
- 12 Robust & Durable Body Housing**  
Made from Galvanized zero spangle sheet metal without welding use & strengthened using rivets & blind nut inserts.

### COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us, We make performances stand the test of time. This is what we call - Sustainable Productivity.

# Global Presence



MODEL	Outlet Pressure dew point +3 C/37 F			Maximum working pressure bar	Electrical Supply	Normal Electrical Power W/H	Heat exchanger type	Compressed air connections	refrigerant	Dimensions			Filter Assembly	
	Capacity		pressure drop bar							Length mm	Width mm	Height mm	Filter	
	L/s	cfm											Model	CFM
HR-AD-20	9.44	20	0.2	15	230/1/50Hz	250	SS316 3IN1	½ "Bsp	R134a	360	360	650	HF-010	35
HR-AD-35	16.52	35	0.2	15	230/1/50Hz	250	SS316 3IN1	½ "Bsp	R134a	360	360	650	HF-010	35
HR-AD-50	23.60	50	0.2	15	230/1/50Hz	480	SS316 3IN1	½ "Bsp	R134a	360	360	650	HF-020	53
HR-AD-80	37.76	80	0.2	15	230/1/50Hz	480	SS316 3IN1	½ "Bsp	R134a	450	450	800	HF-060	127
HR-AD-100	47.20	100	0.2	15	230/1/50Hz	575	SS316 3IN1	1 "Bsp	R134a	450	450	800	HF-060	127
HR-AD-150	70.80	150	0.2	15	230/1/50Hz	960	SS316 2+1	1 1/4 "Bsp	R134a	500	500	900	HF-070	177
HR-AD3-150	70.80	150	0.2	15	415/1/50Hz	787	SS316 2+1	1 1/4 "Bsp	R134a	500	500	900	HF-070	177
HR-AD-200	94.40	200	0.2	15	230/1/50Hz	1350	SS316 2+1	1 1/4 "Bsp	R134a	500	500	900	HF-080	256
HR-AD3-200	94.40	200	0.2	15	415/3/50Hz	1050	SS316 2+1	1 1/4 "Bsp	R134a	500	500	1650	HF-080	256
HR-AD-300	141.60	300	0.2	15	230/1/50Hz	4060	SS316 2+1	1 1/2 "Bsp	R134a	750	750	1650	HF-090	353
HR-AD3-300	141.60	300	0.2	15	415/3/50Hz	3850	SS316 2+1	1 1/2 "Bsp	R134a	750	750	1650	HF-090	353
HR-AD3-400	188.80	400	0.2	15	415/3/50Hz	5456	SS316 2+1	1 1/2 "Bsp	R134a	750	750	1650	HF-100	459
HR-AD3-600	288.20	600	0.2	15	415/3/50Hz	8175	SS316 2+1	1 1/2 "Bsp	R134a	900	900	1650	HF-120	671
HR-AD3-850	401.20	850	0.2	15	415/3/50Hz	11595	SS316 2+1	2" Bsp	R134a	900	900	1650	HF-030	833
HR-AD3-1200	566.40	1200	0.2	15	415/3/50Hz	16450	SS316 2+1	2" Bsp	R134a	1250	1250	1650	HF-050	1488
HR-AD3V-1200	566.40	1200	0.2	15	415/3/50Hz	14680	SS316 2+1	2" Bsp	R410a	1250	1250	1650	HF-050	1488

\*Due to continuous product improvements & incorporation, Himalaya reserves the right to changes the design, technical specifications & dimensions without prior notice.



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