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**TECHNOTREND
INNOVATIONS PVT. LTD.**
Delivering the Solutions...



HEATLESS DESICCANT AIR DRYER.



SALIENT FEATURES

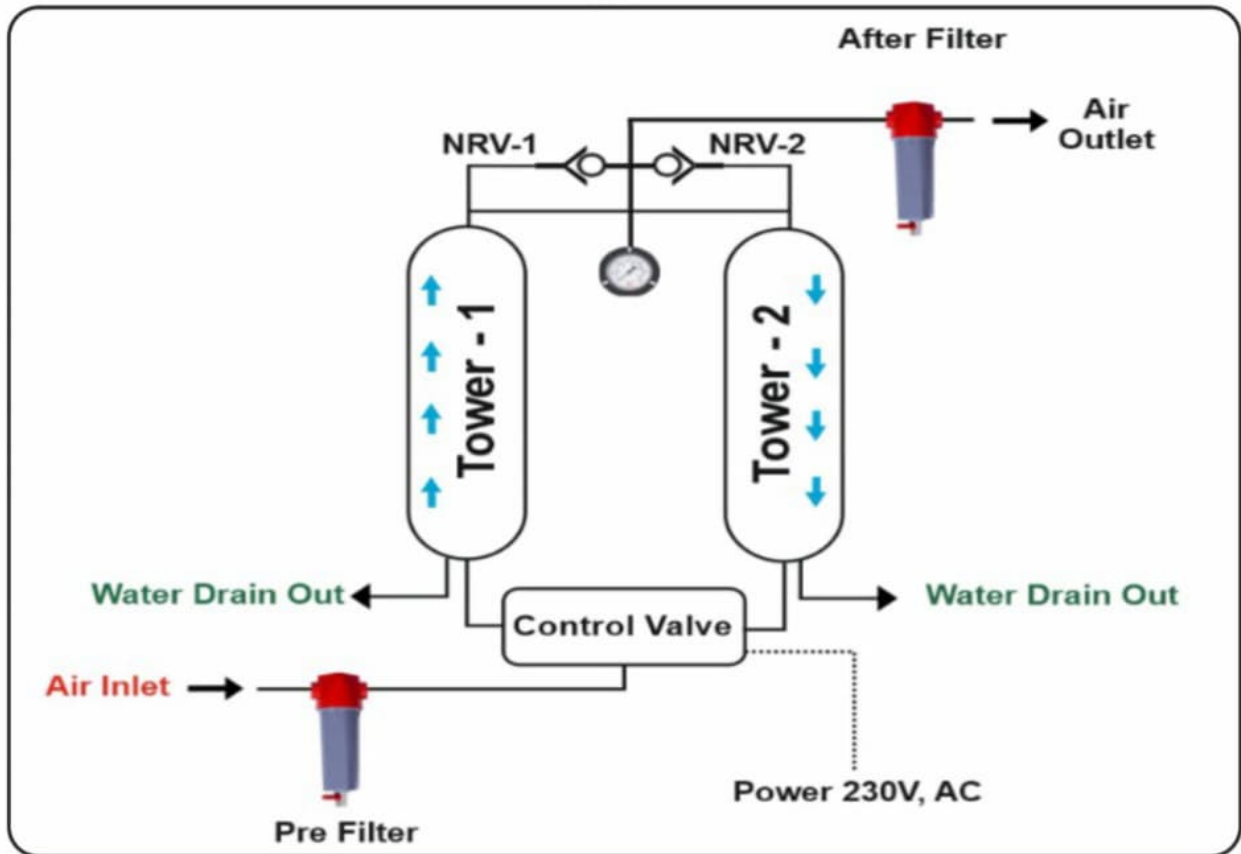
- Unique proprietary designed Microcontroller with Energy saving algorithms incorporated.
- NRV with Purge Control, High Precision pneumatic Valves.
- Compact & light weight design, can be wall mounted.
- Moisture free Air Quality as per ISO8573-1. Table 3.Class3/Class2
- Low power consumption with low pressure drop.
- Standard easily available Air Prefilter and after filter.
- Continuous operation with low operating cost.
- Heavy Duty Non Corrosive Metallic tubing.
- High Quality Desiccant-Activated Alumina Balls.
- Online Outlet Pressure Indicator.

DESICCANT AIR DRYER

SPECIFICATIONS :

Working Pressure Range	4 to 12 Bar
Working Temperature Range	5°C to 45°C
Pre filter (Coalescing type)	0.1 Micron
Post Filter (in built - 2 Nos)	20 Micron
Atmospheric Dew point	-40°C
Desiccant	Activated Alumina Balls
Supply Power	230 V/1Ph/50 Hz

SCHEMATIC DIAGRAM :



WORKING PRINCIPLE :

Wet air from the compressor outlet first enters the Pre Filter. Here water and oil particles are separated and will be drained out through the auto drain valve.

DRYING CYCLE:

Then the clean air with water vapour passes through the desiccant filled tower in the upward direction. Here it is dried completely and then passes to the outlet through one after filter.

The purpose of after filter is to remove desiccant fines and allows clean dry air to the user end.

REGENERATION CYCLE :

During this cycle 10% of air from the outlet is allowed to pass in the downward direction through the opposite Tower. This removes all the water particles and will be exhaust to atmosphere through one muffler. The drying and regeneration cycles are continuous and the dryer will pass uninterrupted moisture free air to the user end.

PRODUCT DETAILS



TECHNICAL DATA

Model	Flow Capacity CFM	End Connections BSP (F)	Overall Dimensions MM			Approximately Weight Kgs
			Height (H)	Length (L)	Depth (D)	
DAD 05	05	1/2"	570	240	100	12
DAD 10	10	1/2"	670	240	100	15
DAD 20	20	1/2"	990	240	100	20
DAD 30	30	1/2"	900	350	150	31
DAD 40	40	1/2"	1100	350	150	35
DAD 70	70	3/4"	1530	590	220	100
DAD 100	100	1"	1650	800	300	130

APPLICATIONS

- CNC / VMC Machine Shop
- Pharmaceutical
- Painting / Powder Coating
- Automobile
- Hospital
- Textile Industry
- Steel & Cement Industry
- Foundry & Sugar Mill
- Packing
- Tool Room
- General Engineering



Our Other Products



QUALITY :

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



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