

ABOUT US

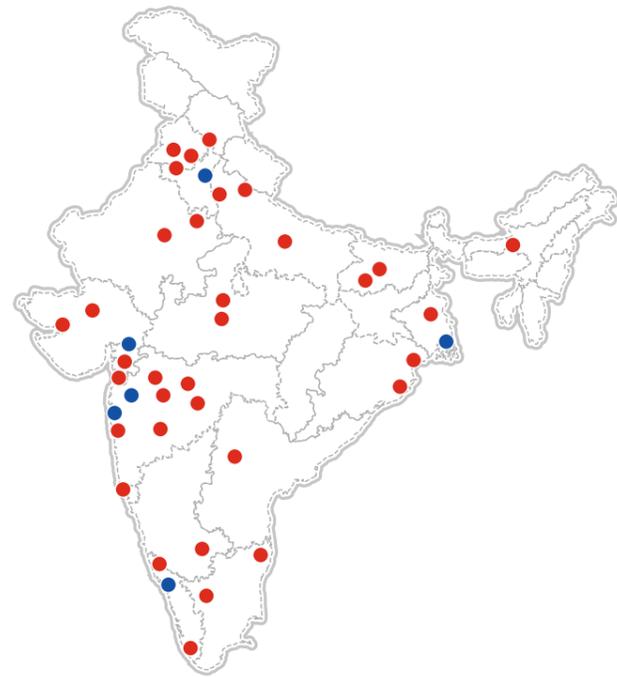
Annair Drychill Tech (India) Pvt. Ltd., based in Mumbai, is a leading manufacturer and exporter of compressed air treatment, industrial cooling, and dehumidification equipment. A part of the 'Thalakott' Group since 2005, the company has over 12,000 installations worldwide, serving industries across South Asia, the Middle East, Africa, Europe, and South America. Committed to innovation and quality, Annair delivers advanced, globally compliant products tailored to diverse industrial needs.



20 years of
EXCELLENCE



OUR CLIENTS



OUR NETWORK

We have a well established network of Channel Partners & Service Franchises at various locations

Branch Locations:

Ahmedabad, Mumbai, Kolkata, Pune, Delhi & Kochi

Authorised Dealers:

Ahmedabad, Aurangabad, Bardhaman, Bengaluru, Bhopal, Chandigarh, Chennai, Coimbatore, Cuttack, Goa, Guhawati, Hyderabad, Indore, Jaipur, Jamshedpur, Kanpur, Kochi, Kolhapur, Kolkata, Lucknow, Ludhiana, Mumbai, Nasik, Nagpur, New Delhi, Noida, Patna, Pune, Rajkot, Raipur, Ranchi, Thane, Thiruvananthapuram, Vadodara, Vapi

Annair Drychill Tech India Pvt. Ltd. (An ISO 9001:2015 Certified Co.)

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Authorised Dealer



REFRIGERATED AIR DRYER



FUTURE X

The ANNAIR Future X Series represents a breakthrough in compressed air treatment technology—engineered to deliver superior performance, energy efficiency, and durability. Built with cutting-edge components, including a compact 3-in-1 aluminium plate-type heat exchanger, intelligent controller, advanced defrost system, the series ensures optimal heat transfer, effective moisture separation, and a consistent dew point.

Designed for the demands of modern industry, the Future X Series combines innovation, reliability, and intelligent control—making it the ideal solution for environments that require clean, dry compressed air with minimal maintenance and maximum efficiency.

Smart Inside: Key Technological Highlights

Energy-Optimised 3-in-1 Plate-Type Evaporator



“This integrated aluminium die-cast module combines a pre-cooler, refrigerant evaporator, and demister-type moisture separator in a compact, space-saving design. Its counterflow configuration ensures efficient heat exchange and consistent performance. With low pressure drop and reduced power consumption, it delivers optimal cooling with minimal energy usage. The corrosion-resistant construction ensures long-term durability.”

Advanced Intelligent dryer controller

“This intelligent controller enhances safety and visibility with built-in alarms for HP/LP faults, compressor overload, and phase sequence issues. It displays real-time system parameters such as dew point, inlet air temperature, ambient temperature, and the status of the fan and compressor. The automatic drain timer function ensures efficient condensate management. Designed for ease of monitoring and control, it ensures reliable and optimized dryer operation.”



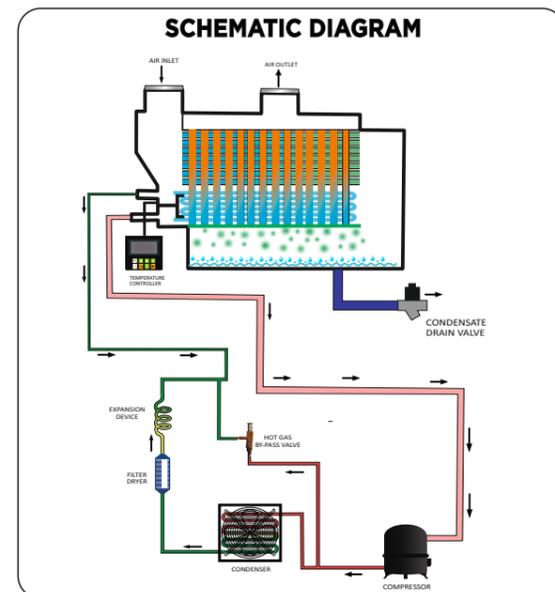
Mechanical Bypass Valve for Stable Dew Point



“The mechanical hot gas bypass valve regulates evaporator pressure during low-load conditions by redirecting hot gas, preventing freezing, and ensuring a steady dew point. It operates independently without electrical power, offering reliable and maintenance-free performance. Simple yet effective, it adapts to airflow changes while minimizing operational costs—ideal for maintaining system stability under varying industrial loads.”

SALIENT FEATURES

- CFC-free, eco-friendly refrigerant.
- Constant dew point across all varying loads.
- Two-stage effective moisture separation.
- Low power consumption.
- Built-in essential protectors for electrical and refrigeration systems.
- Reliable refrigerant system components and pressure switches.
- Automatic, maintenance-free, and user-friendly.
- Compact design requiring minimal floor space.



Future X



Future X (500 CFM - 3000 CFM)

TECHNICAL DATA

Model	Capacity CFM	Working Pressure kg.cm ²	Connection Size BSP/F	Refrigerant	Power Supply v/ph	Condenser Type	Nominal Power Consumption (kw)		Overall Dimensions in mm L x B x H	Approx. Weight (kgs.)	
							Air Cooled	Water Cooled		Air Cooled	Water Cooled
AFXR-500	500	14	2½"	R407C	415/3	Air	3.40	-	815 x 990 x 1400	155	-
AFXR-600	600	14	2½"	R407C	415/3	Air	3.40	-	815 x 990 x 1400	165	-
AFXR-800	800	14	3"	R407C	415/3	Air	4.10	-	915 x 1145 x 1475	180	-
AFXR-1000	1000	14	4"	R407C	415/3	Air/Water	4.85	4.60	915 x 1145 x 1475	250	305
AFXR-1250	1250	14	4"	R407C	415/3	Air/Water	5.05	4.80	1000 x 1500 x 1530	275	330
AFXR-1500	1500	14	4"	R407C	415/3	Air/Water	7.75	6.95	1000 x 1500 x 1530	305	365
AFXR-2000	2000	14	5"	R407C	415/3	Air/Water	8.50	7.70	1400 x 1800 x 1900	410	455
AFXR-2500	2500	14	6"	R407C	415/3	Air/Water	9.90	9.05	1400 x 1800 x 1900	445	520
AFXR-3000	3000	14	6"	R407C	415/3	Air/Water	13.55	12.65	1400 x 1800 x 1900	520	570

Data refer to the following nominal condition

Ambient temperature of 40°C, with inlet air at 7 barg and 45°C and 3C pressure dew point (-22C atmosphere pressure dew point)

CORRECTION FACTOR								
CORRECTION FACTOR (BAR)	4	5	6	7	8	10	12	16
CORRECTION FACTOR (K ₁)	0.82	0.89	0.95	1	1.05	10.09	1.13	1.18
AMBIENT TEMPERATURE (°C)	15	20	25	30	35	40	45	50
CORRECTION FACTOR (K ₂)	1.2	1.16	1.1	1.05	1	0.93	0.85	0.76
INLET TEMPERATURE (°C)	25	30	35	40	45	50	55	60
CORRECTION FACTOR (K ₃)	1.29	1.21	1.15	1.08	1	0.92	0.83	0.73