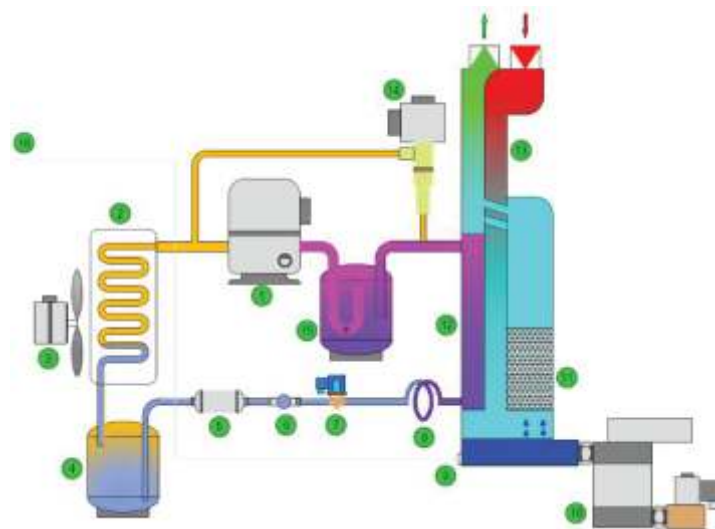


## Schematic diagram of Tex-Dryer

1. Refrigerant compressor
2. Condenser
3. Condenser cooling fan
4. Liquid receiver
5. Filter dryer
6. Liquid line sight glass
7. Solenoid valve
8. Capillary
9. Dew point sensor
10. Zero air loss drain valve
11. Moisture separator
12. Refrigerant to air heat exchanger
13. Air to air heat exchanger
14. Hot gas bypass valve
15. Accumulator
16. Elix+ Controller



## Technical Data

SI NO	Model Variance	Air Flow		Overall dimension, mm			Weight KG	Power Supply v/ph 50 Hz	In/Out
		cfm	m³/h	W	D	H			
1	Elix 040 DA	400	680	600	950	1060	142	230/1	2-1/2"
2	Elix 060 DA	600	1020	600	950	1060	148	415/3	2-1/2"
3	Elix 080 DA	800	1275	700	950	1450	475	415/3	DN100
4	Elix 100 DA	1000	1700	800	1075	1615	520	415/3	DN100
5	Elix 125 DA	1250	2125	800	1075	1630	530	415/3	DN100
6	Elix+ 160 DA	1600	2550	1000	1600	1630	600	415/3	DN100
7	Elix+ 200 DA	2000	3400	1150	1400	2000	650	415/3	DN150
8	Elix+ 250 DA	2500	4250	1150	1400	2000	655	415/3	DN150
9	Elix+ 300 DA	3000	5100	1150	1700	2000	700	415/3	DN150

### Note:

- > For more than **10000 cfm**, kindly contact our Head office.
- > Water cooled options are available from **500 cfm** onwards.
- > **Air-cooled version** can be given for any capacity upon request.
- > Flow capacities are in accordance with **ISO 7183:2007**

**27+**  
YEARS  
OF  
EXCELLENCE



# Tex-Dryers

The Refrigeration air dryers

**NEW** | DIMENSIONS SOLUTIONS

Manufactured and marketed by  
**Summits Hygronics Private Limited**  
 SF.192 Earithottam, Kannampalayam,  
 Coimbatore - 641402. Tamilnadu, India.  
 P: +91 95009 96000

enq@summitsgroup.in | www.airdryer.in

Nearest Channel Partner /  
 Business Associate

- > Exclusively designed for Textile industry
- > Lowest pressure drop
- > Microchannel condenser adds bonus savings
- > Complete monitoring and control



## Need of Tex-Dryer

Compressed air is one of the most expensive source in all industries. The pressure build in compressed air is directly proportional to the energy spent. Unfortunately we loss considerable amount of pressure when we use treatment products in removing the contaminants. When it comes to low pressure applications such as Textile processing and Textile manufacturing the pressure drop across the air dryers and micro filters play a signification role in the energy cost. The standard air dryers manufactured for general applications are not best suited for these applications due to more pressure drop and lesser features. Summits Tex-Dryers are meticulously designed to meet this challenging task and are designed to deliver the most optimum performance with the lowest possible pressure drop and with numerous features specifically tailored for the textile industries.

## Tex-Dryers



### Tailored Heat exchangers

Integrally fused fin eliminates Contact Resistance between plates and fins leading to attaining the highest heat transfer co-efficient.

Offset fins, besides creating better turbulence for heat exchange, also act as an efficient preliminary moisture separator.

Inbuilt wire mesh demister provides Countless impingement surfaces to coalesce the moisture particle and hence separates it effectively.



### Microchannel condenser

Efficient heat transfer: Metallurgical bond between tubes and fins, eliminates contact resistance leading to 10% increased efficiency.

Power saving: Reduced fan power consumption & noise level due to 60% less airside pressure-drop.

30% reduced Refrigerant Charge.



### PLC based control and protection

Texplus dryer comes with an advanced open platform PLC with numerous features including total system monitoring, preventive maintenance alerts and compatible to industries required communication protocol such as RS485 modbus, BMS, IOT, Ethernet, Industry 4.0& etc. Being an open platform software, the PLC can be programmed to meet your specific requirements.



### Pacto, The Smart drain valve

- > Every Tex-Dryer is fitted with Pactoplus drain valve.
- > Zero air loss condensate removal
- > Enabled with BMS connectivity
- > Sight glass for level monitoring
- > 3 Point Sensing



### Energy spent - Standard Vs Tex-Dryer

