

RIGHT HERE – RIGHT NOW!



⇒ DESICCANT AIR DRYERS

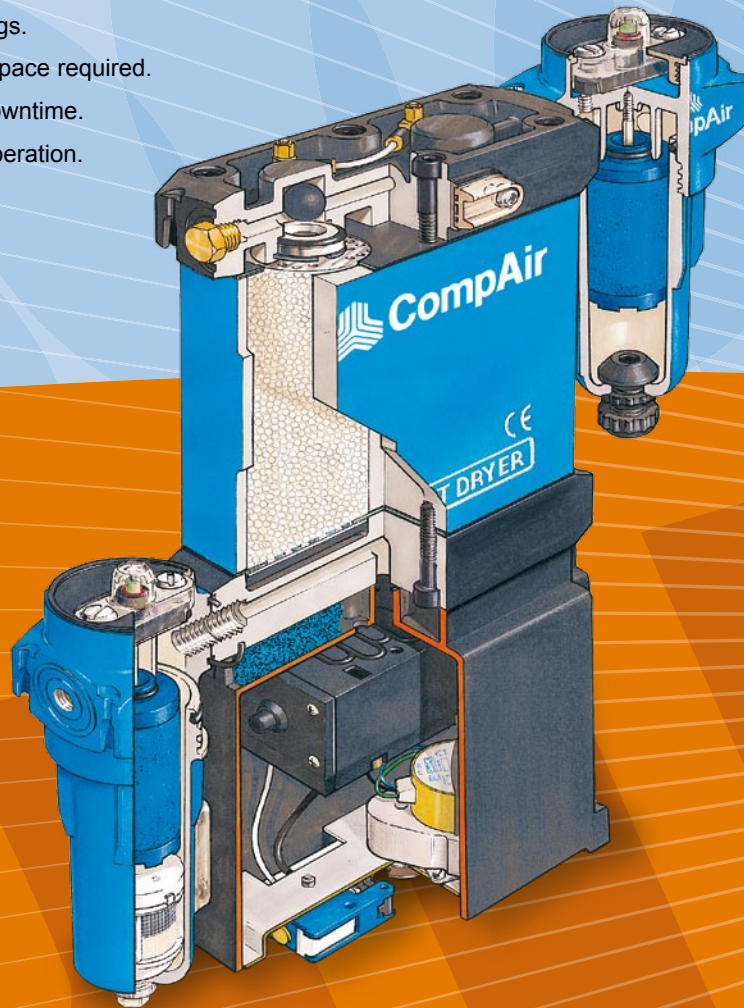
INTELLIGENT AIR TECHNOLOGY

CompAir ➔ MODULAR DESICCANT AIR DRYERS

The modular design gives total installation flexibility to match specific customer requirements.

➔ BENEFITS

- Highest quality, clean, oil-free and dry compressed air always.
- Totally stops corrosion preventing product spoilage and damage.
- Compact and lightweight advanced modular construction is less than half the size of conventional dryers.
- Energy efficient giving maximum savings.
- Easy and flexible installation minimal space required.
- Simple maintenance giving reduced downtime.
- Reduced noise pollution super quiet operation.



➔ RANGE FEATURES

- High tensile aluminium construction alocromed to prevent corrosion.
- Pressure gauges indicate performance continuously.
- Constant pressure dewpoint.
- Hydraulically tested to 75 bar g (1100 psi g).
- Moisture indicator monitors condition of desiccant material.
- Anti-corrosive and abrasion resistant epoxy paint finish.
- Extended desiccant life.
- Simple bolt on pre- and after compressed air filters are mounted directly to dryer.
- Supplied complete with Grade C oil free protection pre-filter and a Grade E dust filtration after-filter.
- For heavily contaminated compressed air systems a Grade B general purpose protection filter should be installed before the Grade C filter.

➤ ADDITIONAL FEATURES

➤ HEATLESS DRYERS - (S)

- Control system fully protected.
- May be wall or floor mounted.
- Column outlet pressure gauges (A7S to A50S models only).

➤ HEATLESS - (X) AND HEAT REGENERATIVE DRYERS - (R)

- Hinged control enclosure for easy maintenance.
- Supplied complete with outlet flexible connection.
- Supplied complete with miniature circuit breaker (MCB)/isolator, (heat regenerative (R) models only).
- Electrical enclosure on the heat regenerative (R) models complies with IP65.
- Solid state timer option with memory retention allowing dryer to restart from point of interruption.

➤ ELECTRONIC CONTROL SYSTEM

A Microprocessor based electronic control system is now available for the X and R model desiccant air dryer range.

An integral part of this optional feature is a complete energy management system utilising the well proven and tested Dewpoint Dependent Switching System used in hundreds of dryers worldwide.

The electronic control system will provide a significant reduction in operating costs whilst providing a full monitoring capability, which will enable quantified energy savings to be obtained.

➤ OPTIONS

- -70°C pressure dewpoint available on all models.
- Fully pneumatic versions (S & X models) available for hazardous area installations.
- Energy saving Dewpoint Dependent Switching System can be fitted to *X & R models. Compressed air systems

rarely operate at full capacity, therefore, by extending the drying period beyond the standard fixed cycle time according to outlet dewpoint, considerable savings can be made.

*Standard and solid state timer.

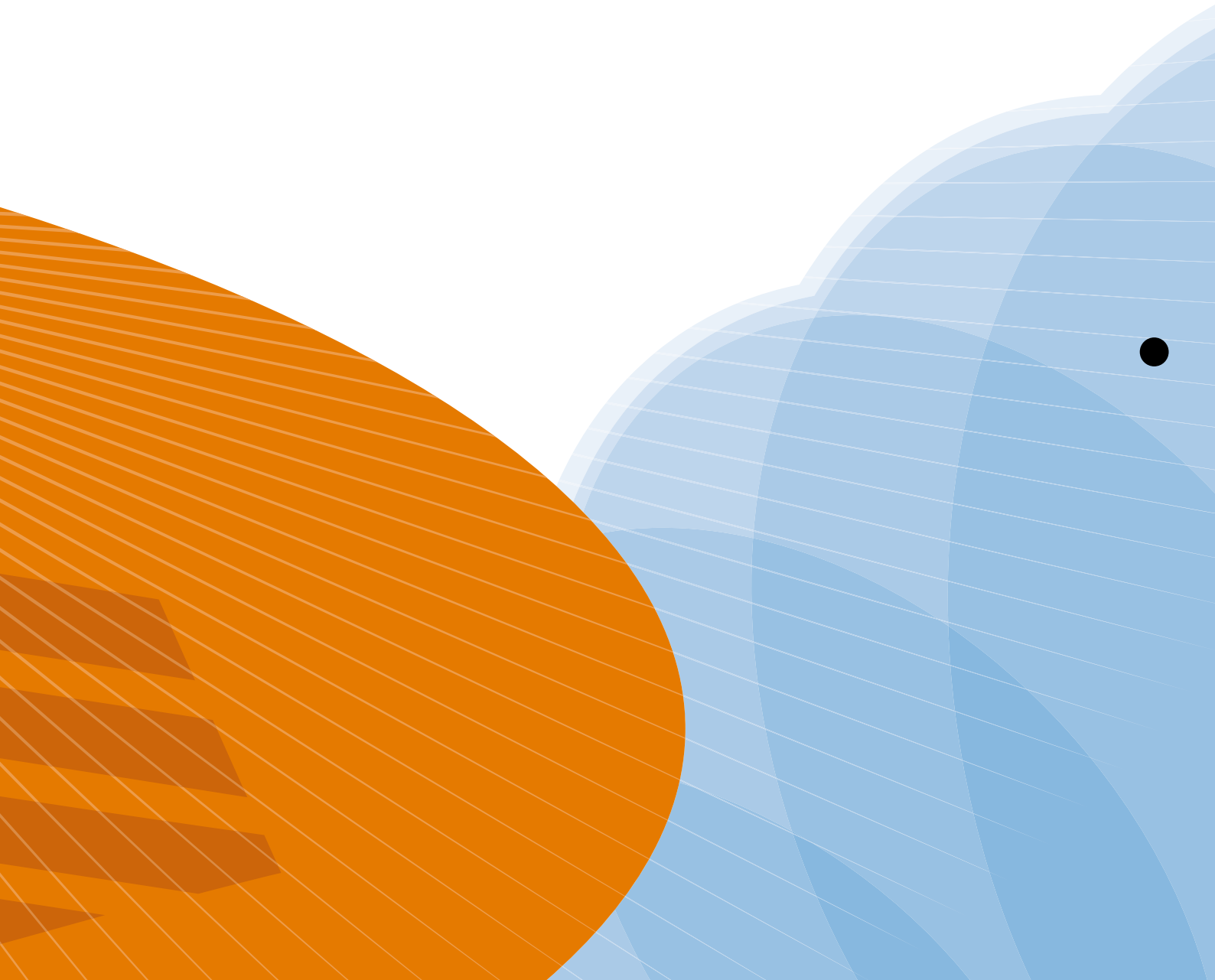


The system will provide at a glance detailed information about the operating status and performance of the dryers and is ideally suited for retrofitting to existing cam timer operated X and R model dryers.





➔ **TWIN TOWER DESICCANT AIR DRYERS**



⇒ TWIN TOWER DESICCANT AIR DRYERS

⇒ PURIFICATION SYSTEMS

The CompAir purification systems combine the standard components of the TX model compressed air dryer with an activated carbon absorber which is installed between the dryer and the dust filter.

This system provides oil vapour free compressed air.

⇒ STANDARD CONTROL

A time based control system operates the changeover from one vessel to the other.

A soft start system is recommended to ensure the desiccant beds are protected from overflow, particularly during initial start up.

⇒ DEWPOINT DEPENDANT SWITCHING (DDS)

Regeneration air requirements are dependent upon flow, pressure and temperature. Compressed air systems are rarely constant and all three factors change according to the time of day, ambient temperature and relative humidity. This can result in the constant regeneration flow of compressed air being used inefficiently.

Dewpoint Dependent Switching (DDS) measures the outlet air dewpoint and adjusts the cycle times accordingly, to lower operating costs by up to 70%.

⇒ FEATURES

- Dewpoint options of -25°C , -40°C and -70°C .
- Standard desiccant medium allows inlet temperatures up to 50°C with TX range & 40°C with TV range with high adsorption and desorption efficiency.
- Molecular sieve option offers higher inlet temperatures.
- Operation can be matched to the load/unload state of the compressor.
- High capacity drying beds offer good moisture separation and long reserve times.
- Stainless steel support screens ensure low pressure drop and an even flow distribution through the desiccant beds.
- Pressure vessel codes to CE, TUV, BS5500, ASME VIII, other approvals on request.
- Vessel designs have good aspect ratios resulting in optimum bed velocities and contact times.
- Electronically controlled valves are fitted as standard.



Overnight regeneration allows low cost electrical power to be used.

Using this function will significantly reduce electrical costs and typical savings of up to 70% can be achieved.

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INTERNET:
www.compair.com
sales@compair.com



CompAir Policy is one of continuous improvement and we therefore reserve the right to alter specification and prices without prior notice. All products are sold subject to the Company's conditions of sale.

