

Hypercool

Air Cooled Aftercoolers



Short Description

Highly efficient air cooled after coolers. The Hypercool range represents a cost effective solution to easily remove water vapour and cool compressed air to safe usable levels for many industrial applications.

ADT coolers can be used when cooling water is not available, limiting costs and plant complexity and can prepare the air for further filtration and drying.

Hypercool coolers can be installed immediately downstream of compressors or blowers in order to remove up to 80% of the condensate, protecting the entire compressed air system or production process.

A high quality aftercooler, properly sized is an excellent investment that can help ensure that the compressed air system works efficiently, thereby guaranteeing the quality of the finished product.



Product Features:

- Significant energy and capital investment savings
- Optimised compressed air systems performance
- Reduced maintenance and improved product quality
- Reliability and continuous operation
- Very low pressure drops with optimum cooling performances

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Robust construction and compact design

Low pressure drop design

Protective grill for fan and heat exchanger

High efficiency and low noise axial fans

Legs or support plate available on request for smaller models



Standard protection with epoxy powder coating

Stainless steel rivets and screws

Full range of matching centrifugal separators "Hypersep"

Extensive range of condensate drains "Hyperdrain"

Operation:

Hot compressed air passes through the ADT copper tubes. Ambient air is forced across these externally finned tubes by the use of an axial fan. Compressed air

is cooled to a temperature which can be as little as 10 °C above the ambient temperature. As the compressed air cools down, up to 80% of the water vapour condenses

to a liquid and this is efficiently removed by a centrifugal separator installed at the ADT outlet.

Versions:

- ADT with Low Pressure drop (LP version) for low operating pressure;
- ADP version with pneumatic motor
- Legs and support plate kit for smaller models
- Counterflanges kit
- ADT with copper fins and tubes for marine environments available on request
- Epoxy coating on all exposed copper as protection in aggressive environments
- Stainless steel centrifugal water separators are available on request



Available with pneumatic motor for installations where electrical power is either not available or not recommended.

Applications:

- Compressed air cooling and dehumidification
- Pneumatic transportation
- Cooling air before an adsorption dryer
- Glassware-industry
- Railway and transportation industry

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