

DO YOU LIKE
TO KEEP COOL
WHEN THE HEAT
IS ON?



HEAT-X AIR2AIR

Effective air-to-air heat reclaim solution for dryers

AUTOMATIC FILTRATION OF EXHAUST AIR

SAVING ENERGY IN THE DRYING PROCESS

SHORTENING EFFECTIVE DRYING TIME

NO INFLUENCE ON THE PROPER FUNCTIONING OF THE DRYER

To be used
in combination with



LINT-X CYCLONE

PASSIONATE ABOUT LAUNDRY



CHRISTEYNS

LAUNDRY TECHNOLOGY



Introduction

In past times energy reclaim on dryers has never proven to be successful, due to fouling issues.

Our unique, patent-pending solution deals with this effectively and guarantees a sustainable operation by removing sand and lint particles from the exhaust air in the **Lint-X Cyclone filter** prior to heat recovery by the **Heat-X Air2Air heat exchanger**. The free energy that is recovered is transferred to the fresh air needed in the laundry drying process.

- The **Lint-X Cyclone** is equipped with an automatic dust removal system that ensures minimal maintenance.
- The **Heat-X Air2Air** is a condensing heat exchanger that recovers both sensible and latent heat from the exhaust air.

Lint-X Cyclone + Heat-X Air2Air



- For both steam and gas dryers
- For dryers with nominal load capacity from 50 to 500 kg
- For all types of linen classification
- Using exhaust air
- Single dryer solution

Savings

Savings in drying process

- **Heat-X Air2Air** can reclaim up to 30% of the dryer energy input.
- **Up to 10% more drying capacity** thanks to shorter drying times.

Other advantages

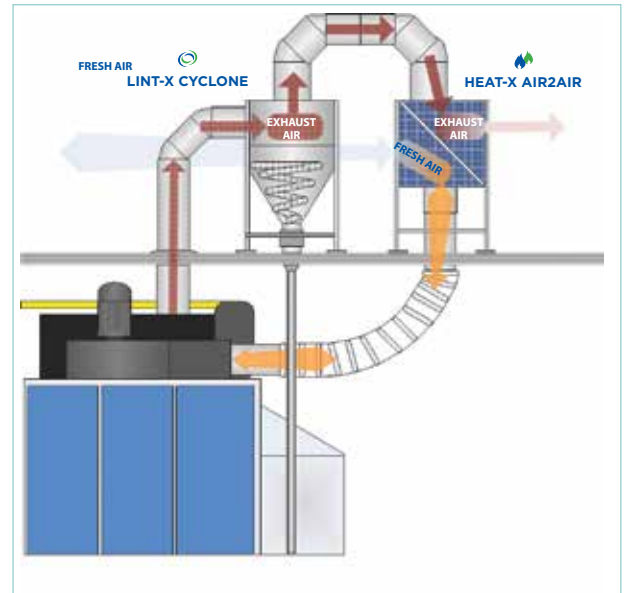
- Possible productivity increase on towel folders thanks to larger dryer output.
- Filtered exhaust air
 - No pollution on roof and surroundings
 - Rain water does not get polluted with dust and iron particles

Indirect heating principle

Heat-X Air2Air is an indirect heating system. It is a very sustainable solution that does not influence the proper functioning of the dryer and hence has no negative effect on the ironer's efficiency and output quality.

Working principle

Combination Lint-X Cyclone + Heat-X Air2Air



Lint-X Cyclone

Lint is separated from the extracted dryer air by centrifugal force : heavier particles and lint collide with the cyclone walls, lose speed, and gravity helps pull them down towards the lint trap.

Heat-X Air2Air

Fresh air needed in the drying process is preheated by indirect heat transfer from the exhaust dryer air.

Technical data

Dryer capacity	50 - 60 kg
Max. output	60 kW
Height	2624 mm
Width	1960 mm
Length/depth	2222 mm
Weight (full)	250 kg

Main advantages

- Up to 30% energy savings in drying process
- Up to 10% more drying capacity
- Effective filtration of exhaust air