

# Heat Recovery Dryer HRC

## TORNUM's Heat Recovery Dryer HRC saves energy without any capacity losses.

The HRC dryer recovers up to 10% of the energy which would normally be lost using a traditional grain dryer. Furthermore, the design provides a quieter and cleaner work environment and, as all Tornum dryers, the HRC model is made from hot-dip galvanized sheet steel.

In a HRC, the air from the cooling sections are recirculated back into the dryer and mixed with heated air after it has passed the burner. Since the recovered air is warmer than the ambient air the energy consumption of the burner will be reduced. You still receive the requested drying temperature and without any capacity loss in dried tons per hour.



### STANDARD EQUIPMENT

- Wet air plenum
- Discharge section – pulse
- Buffer zone
- Ladders and platforms
- Recovery zone
- Pressure measurement for adjusting start-up

### ACCESSORIES

- Silencer
- Level sensor
- Fire detection system
- IDC

### CAPACITY

- 6 - 300 tons per hour

## SMOOTH INSIDES

The inside of the dryer is totally smooth and with no moving parts. This allows for easy cleaning and changes between products.

## REDUCED NOISE LEVEL

In the HRC dryers, we are using both radial and axial fans. Radial fans are placed inside the lower part of the dryer. The combination of radial and axial fans allows for a lower total noise level.

## ENERGY SOURCE

HRC dryers are available with highly efficient natural gas or propane burners. The gas burner can easily be adjusted from 10 to 100% capacity.

## EXHAUST FANS

Fans with adjustable air-flow. Dust separation systems and silencers are available on request.

## A SAFE WORK ENVIRONMENT

Our dryers are supplied with ladders and platforms for easy and safe access to vital parts of the dryer.

## HIGHER EFFICIENCY

The HRC dryers offer up to 10% reduced energy consumption compared to a traditional dryer. We have achieved this by re-circulating air from the cooling section of the dryer.

