

# LG rešenje za kvalitetnu ventilaciju putem rekuperatora toplote

VENTILATION SOLUTION KEY FEATURES

## ERV

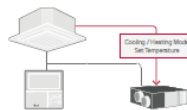
### High Efficiency Heat Exchanger

Efficiency and comfort is ensured through the high-efficiency energy recovery central core which recovers energy from the indoor air and transfers it to the fresh incoming air without mixing airstream.



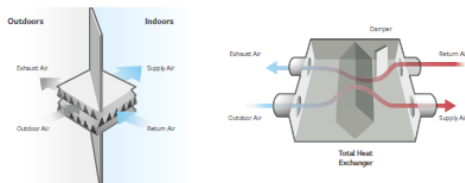
### Interlocking with Air Conditioning System

- LG ERV can be interlocked with air conditioners and controlled individually.
- This function can be operated when the system is connected with a remote control.



### Compulsory Exhausting System

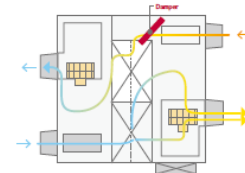
The exhausting system using high static and shrocoo fan removes contaminants effectively from indoor air. Supply and exhaust air flows are completely separated in the total heat exchanger. LG ERV can filter out the impurities before supplying outdoor air and make indoor air fresh and healthy.



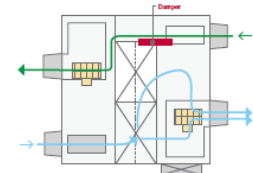
### Bypass Ventilation

LG ERV automatically switches the ventilation mode (Enthalpy Heat Exchange Mode / Bypass Mode) according to the indoor / outdoor temperature.

#### Enthalpy Heat Exchange Mode (Summer / Winter)



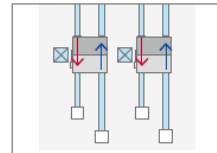
#### Bypass Mode (Seasonal Change)



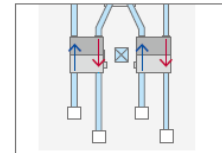
### Flexibility of Installation

It's possible to install upside down when you need only one inspection hole.

#### Normal installation of 2 units



#### Reverse installation of 1 unit (Left unit)



#### Inspection chamber



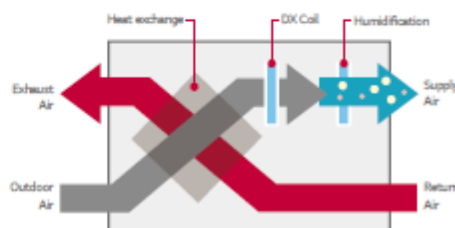
## Providing Cool & Warm Fresh Air

During the summer, ERV DX can transform outdoor warm air into cool air for indoors, and it can prevent cold drafts during the winter by supplying warm air.



## Total Air Conditioning Solution

LG ERV DX can be used as a Total Air Conditioning Solution. It can control condition of incoming air with the DX coil and humidifier for making comfortable indoor air. In the summer, LG ERV DX controls the air indoors by cooling and dehumidifying incoming air. In winter, it can provide warm air by heating and humidifying the incoming air.


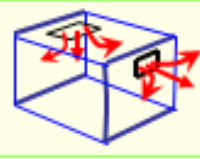
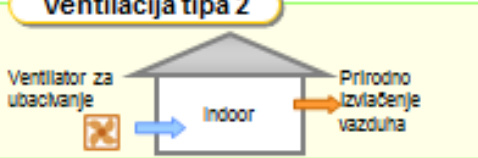
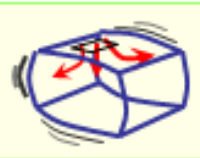



Nasvremenija rešenja ventilacije poslovno- stambenih objekata danas se projektuje i izvodi putem rekuperatora toplote.

# Osnove ventilacije

## Tipovi ventilacije

Imamo tri tipa ventilacije u zavisnosti od načina ubacivanja i izvlačenja vazduha iz prostorije

Ventilacija tipa 1	
	<ul style="list-style-type: none"><li>• Ubacivanje i izvlačenje vazduha putem ventilatora</li><li>• pritisak u prostoriji se održava pomoću dva ventilatora</li></ul> 
Ventilacija tipa 2	
	<ul style="list-style-type: none"><li>• ubacivanje svežeg vazduha putem ventilatora</li><li>• prostor je u nadpritisku, (čiste sobe, operacione sale)</li></ul> 
Ventilacija tipa 3	
	<ul style="list-style-type: none"><li>• vazduh iz prostorije se izvlači putem ventilatora</li><li>• prostor je u podpritisku (kuhinje, sanitarne prostorije)</li></ul> 