

**NEW**

## DXR

Heat recovery unit for ceiling installation  
DX System

**DCV** Constant pressure fitted to demand controlled exhaust units.

**DynamiX® Technology\***: ensures a silent system and optimal indoor air quality\*.

**W** Very low energy consumption by combining demand control of airflows and heat recovery.

**+** Easy installation in ceiling spaces thanks to its small thickness (only 26 cm).

**+** Easy maintenance of the filters through compact bottom trapdoors.

High-quality manufacture with main parts, made of metal.

\*specific to Excellence version



### Flat heat recovery with demand control for ceiling installation

Designed for ceiling installation within the heated space, the DXR provides a truly elegant solution for multi-apartments buildings, where available space for systems is often limited, particularly in renovation projects. Its very low thickness (26 cm) and its reduced width (65 cm) allow easy installation in ceiling spaces (for example in a corridor false ceiling). The DXR unit is compatible with two demand control strategies used in the DX System "Premium" and "Excellence". See documentation on "DX System" for more details.

#### Indoor Air Quality at its best (1)

The DXR enhances indoor comfort by providing healthy air, at a milder temperature, preheated by the integrated heat exchanger. To feel good at home, the DynamiX® Technology, available on "Excellence" version, adapts, at any time, both supply and exhaust airflows to the occupants needs in every room through accurate sensors (CO<sub>2</sub> or presence). The DynamiX® Technology is a smart demand control strategy specific to the DX System which follows two main purposes: to reduce inherent noise from the heat recovery system while guaranteeing the best Indoor Air Quality.

#### Low maintenance (2)

By reducing the average airflows with an equivalent indoor air quality and thanks to a large surface of filtration, filter durability is doubled compared to traditional heat recovery systems.

#### Low energy consumption (3)

In addition to significant energy savings on heat losses thanks to the DynamiX® Technology, the DXR limits primary energy consumption by reducing fan power. Combining a smart and accurate demand control strategy and high quality fans, the DXR offers a very good energy performance, up to 50% reduction of electrical consumption in comparison with standard heat recovery units.





## DXR Heat recovery unit with demand control for ceiling installation

		DXR 230
<b>Standard code</b>		DXR1225
<b>Ecodesign</b>		
Label (EU Ecodesign Directive)		A+ (with 2 IAQ sensors)
<b>Airflow characteristics</b>		
Max. airflow	m <sup>3</sup> /h	230
Other nominal airflows	m <sup>3</sup> /h	80 / 140 / 200
Pressure at exhaust	Pa	60
Airflow compensation (filter clogging)		automatic
Airflow balance (supply and exhaust)		automatic
<b>Acoustics</b>		
Sound power level L <sub>w</sub> @ 161 m <sup>3</sup> /h, 50 Pa	dB(A)	40
Certifications		CE
<b>Electrics</b>		
Power supply		230 VAC, 50 Hz
Motor type		EC (x2)
Power consumption @ 161 m <sup>3</sup> /h @50 Pa	W	34,2
Power consumption @ 230 m <sup>3</sup> /h @145 Pa	W	91,0
Sensors connections		RJ12
<b>Demand control</b>		
Compatible versions of DX System		Premium / Excellence
Min - Max Number of sensors for modulation at supply		1 - 5
Min - Max Number of sensors for modulation at exhaust		1 - 5
Sensors type at supply		presence / CO <sub>2</sub>
Exhaust units type		humidity / presence / switch / CO <sub>2</sub> / VOC
<b>Characteristics</b>		
Exchanger		aluminium / counter flow type / 82% efficiency
Filters		on supply air: 1 x F7 / on exhaust air: 1 x G4
Weight	kg	46
Colour		white
Material (main)		galvanised steel with phonic and thermal insulation
Dimensions	mm	with duct connectors: 260 x 650 x 1200 / without duct connectors: 260 x 650 x 1160
<b>Installation</b>		
Max. number of main rooms		6
Max. number of technical rooms		5
Connections		2 x (2 x ø160 mm)
Installation		horizontal only, to the ceiling / 4 points of attachment
<b>Other functions</b>		
Interface		2,8" colour touch screen interface. Wired to DXR
Bypass		controlled by outdoor temperature / also used for free cooling
Preheating (optional)		with resistance in fresh air ductwork from outside
Condensation management		exhaust through lateral tube / optional condensate pump
<b>Temperature of use</b>		
Installation room		frost free: +5°C < T° < +50°C
Incoming outdoor fresh air or Extract		-5°C < T° < +50°C without preheating / -26°C < T° < +50°C with preheating

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