

# GOLD PX RECOfrost

New defrosting function for plate heat exchanger

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- ▶ High annual efficiency through effective defrosting
- ▶ Smaller reheater required
- ▶ Low pressure drop in spring and autumn

# Unbeatable energy efficiency with new GOLD PX RECO<sub>frost</sub>

Swegon's new defrosting function RECO<sub>frost</sub> for GOLD PX provides unbeatable annual efficiency for plate heat exchangers. RECO<sub>frost</sub> have unique control functions resulting in low operating costs as both reheating demand is less and pressure losses are minimised. Lower installation output on the reheater also has a great financial benefit.

The GOLD air handling unit has built in sensors and control equipment, which opens for complete control of pressure, temperature, airflow, humidity and time. This has allowed Swegon to develop a unique energy efficient defrosting function for plate heat exchanger.

RECO<sub>frost</sub> has three different dampers, which by means of control signals, work adaptively, i.e. adapt to the prevailing conditions and only defrost exactly when and as much as needed.

An additional advantage of RECO<sub>frost</sub> is that the unique control also gives optimal operating economy during spring and autumn, as the dampers are used to regulate the temperature without an excessive pressure drop.

RECO<sub>frost</sub> is patent pending.



## ***This is the difference:***

### **GOLD PX RECO<sub>frost</sub>**

Temp. after heat exch. **+1.4°C**

Lowest efficiency **51%**

Heating capacity reheater **19.1 kW**

Volume air handling unit **4.48 m<sup>3</sup>**

### **Other manufacturer**

Temp. after heat exch. **-3.6°C**

Lowest efficiency **39%**

Heating capacity reheater **24.5 kW**

Volume air handling unit **6.22 m<sup>3</sup>**

*Design outdoor temp. -20°C, 30% relative humidity.*

*Airflow 0.9 m<sup>3</sup>/s. Supply air temp. 19°C, exhaust air temp. 22°C.*

## **Quick facts about GOLD PX**

GOLD PX size	Length mm	Width mm	Height mm	Weight kg	Duct connection mm	Airflows						Power supply
						Min		≤ SFP <sub>v</sub> 2.0/200 Pa	Max.			
						m³/s	m³/h		m³/s	m³/h		
04	2000	905	1191	291-337	Ø 315	0.08	290	0.45	1620	0.45	1620	1x230V, 10A*
05	2000	905	1191	291-337	Ø 315	0.08	290	0.62	2230	0.65	2340	1x230V, 10A*
07	2230	1075	1356	360-419	Ø 400	0.08	290	0.75	2700	0.75	2700	1x230V, 10A*
08	2230	1075	1356	369-428	Ø 400	0.20	720	0.97	3490	1.00	3600	1x230V, 16A*
11	2510	1279	1486	552-646	Ø 500	0.20	720	1.10	3960	1.10	3960	1x230V, 10A*
12	2510	1279	1486	574-668	Ø 500	0.20	720	1.40	5040	1.40	5040	3x400V, 10A
14	2830	1480	1586	667-773	1000x400	0.20	720	1.65	5940	1.65	5940	3x400V, 10A
20	2830	1480	1586	703-809	1000x400	0.30	1080	2.10	7560	2.10	7560	3x400V, 10A
25	3170	1680	1786	905-1058	1200x500	0.30	1080	2.50	9000	2.50	9000	3x400V, 16A
30	3170	1680	1786	945-1098	1200x500	0.50	1800	3.20	11520	3.20	11520	3x400V, 16A

*\*) Alternative 3x400V, 10A*