

Air Curtain with DX Coil, connected to the VRF or PACi Systems

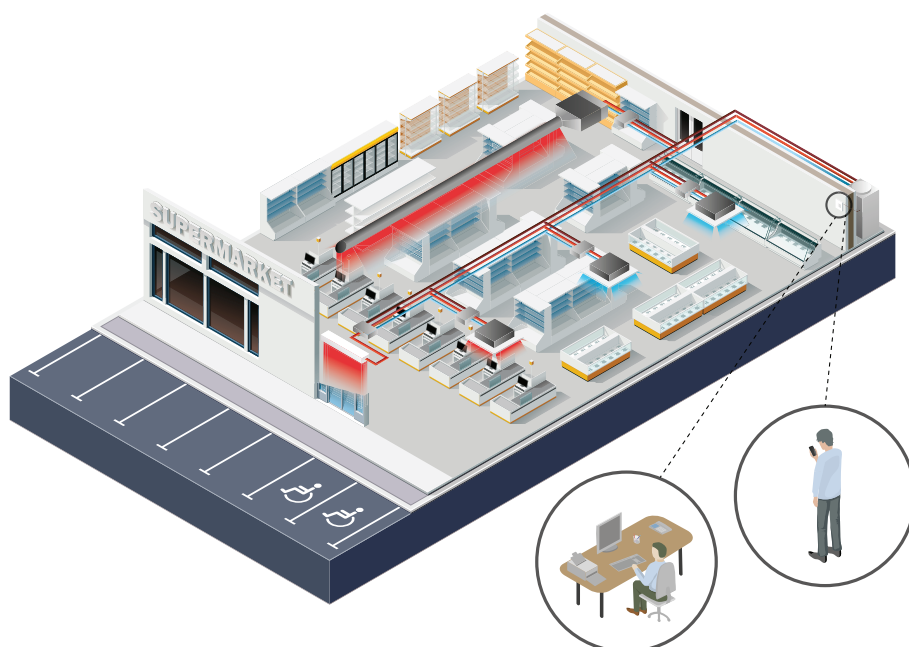
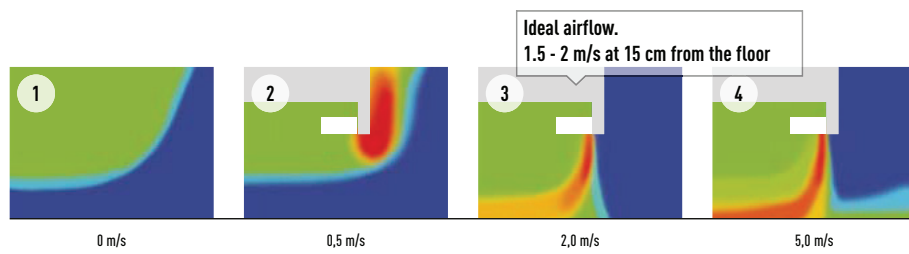
Highly efficient heating effect

The combined air stream, which has a desirable low air current induction factor (mixing factor), can carry the selected initial temperature effect over long distances, and will reach the floor area while still at room temperature. This is necessary to avoid cooling down the interior spaces. Available in different lengths to suit requirements between 1 and 2.5 m, both air curtains have outlet grilles that can be adjusted to five different positions. The jet flow model can be installed up to a height of 3.5 m with the standard model up to 3.0 m. The outlet grilles can be easily adjusted into five positions to suit different installations requirements and the air filter can be accessed without the need for specialist tools.

- Super-efficient with new EC fan motor (40% lower running costs compared to a standard AC fan motor)
 - Easy Cleaning and Servicing
 - Can be connected to either Panasonic VRF or PACi systems
 - Built-in drain for cooling operation
 - Standard and Jet Flow air curtains can be controlled via Panasonic's range of remote internet controls
- The new standard and jet-flow models are ideal for connection to a ECOi or PACi system. With simple "plug and play" installation, both are fitted with an EC fan motor for a smooth operation and efficient performance. This new fan guarantees 40% lower running cost than with a standard AC fan motor. With air curtains often running for 12 hours a day as a minimum, this can lead to considerable savings.

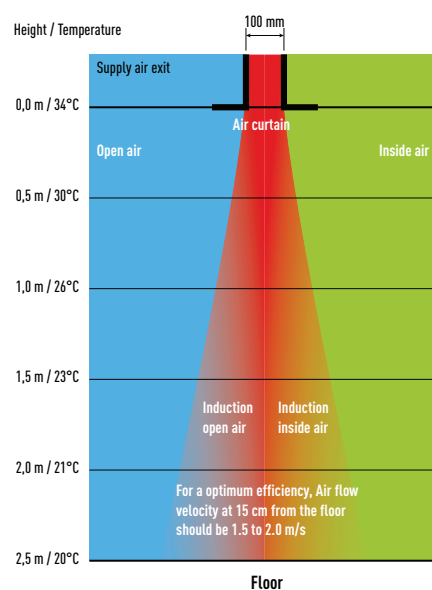
Optimised airflow velocity

1. Energy losses, no air curtain installed
2. Too low velocity air curtain – air curtain not efficient
3. Optimum results with the Tekadoor air curtain connected to Panasonic VRF
4. Too high velocity air curtain – considerable turbulence, energy lost to the outside, air curtain not efficient



Intelligent Operation

Our air curtains combine airflow and heating / cooling technology to ensure optimum comfort and energy efficiency whilst also creating an effective barrier between indoor and outdoor environments. Design and installation is key to achieving the correct height / temperature settings to achieve optimum performance. Our air curtains are designed to answer the demands of the retail, commercial and industrial markets.



How does it work?

Stale air from the room is taken in and ejected near the door. This creates a 'roll of air' that shields the door area, mixing with the colder incoming air. It then turns away from the door, back into the room and toward the intake screen, where it is partly drawn in again. This flow of air helps to create a barrier for heat loss yet at the same time refreshes room air.

Internet Control

An app added to your tablet or smartphone or via the Internet allows you to control and manage the system remotely. There is also the option to integrate into existing BMS systems by using other Panasonic interfaces.



High efficiency Air curtain connected to your VRF installation. EC Fan motor for a smooth operation and efficient performance. 2 types of Air flow available: Jet-Flow and Standard. 2015 Fan Standard available today. Easy Cleaning and Servicing.

Technical focus

- Save up to 40% Energy Costs by use of the integrated EC Fan Technology (Higher efficiency than conventional AC fan, soft start and longer motor duration)
- 3 Lengths of Air Curtains Jet-Flow, from 1.0 to 2.0 m and 2 lengths of Air Curtains Standard, 1.0 and 2.0 m
- Installation Height up to 3.5 m (Jet-Flow) and 3.0 m (Standard)
- Outlet Grilles can be adjusted in five positions, to suite different Indoor and installation requirements (Jet-Flow)
- Control with Panasonic Remote Control systems (optional)
- Direct integration to BMS by optional Panasonic Interfaces
- Drain included for cooling operation

Comfort

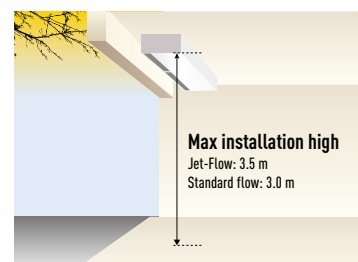
- Easy redirection of Airflow by means of manual deflector (Jet-Flow)

Ease of use

- Speed selectable on remote controller with 3 speeds

Easy installation and maintenance

- Easy installation
- Compact dimensions improve installation and positioning (Jet-Flow)
- Easy cleaning of grid without opening of the unit
- Continuous operation even in case of 1 fan motor failure without stopping air curtain function or stopping the complete system
- Warning indication on remote controller display



HP			4 HP	6 HP	8 HP	4 HP	8 HP	
Air Curtain			PAW-10PAIRC-MJ	PAW-15PAIRC-MJ	PAW-20PAIRC-MJ	PAW-10PAIRC-MS	PAW-20PAIRC-MS	
Air flow type			Jet-Flow			Standard		
Air Flow Length (A)			m	1.0	1.5	2.0	1.0	2.0
Air volume	High	m³/h	1,800	2,700	3,600	1,800	2,700	
	Medium	m³/h	1,500	2,300	3,000	1,500	2,300	
	Low	m³/h	1,200	1,900	2,500	1,200	1,900	
Cooling capacity nominal¹		kW	9.2	17.5	23.1	9.2	17.5	
Heating capacity with air in 20°C, air out 40°C		kW	11.9	17.9	23.9	11.9	17.9	
Heating capacity with air in 20°C, air out 35°C		kW	8.9	13.4	17.9	8.9	13.4	
Heating capacity with air in 20°C, air out 30°C		kW	5.9	8.9	11.9	5.9	8.9	
Max installation height	Good condition	m	3.5			3.0		
	Normal condition	m	3.1			2.7		
	Bad condition	m	2.7			2.4		
Refrigerant			R410A					
Liquid pipe		Inch (mm)	3/8 (9.52)					
Gas pipe		Inch (mm)	5/8 (15.88)	3/4 (19.05)	7/8 (22.22)	5/8 (15.88)	7/8 (22.22)	
Fan			230V / 50Hz / 1 / N / PE					
Fan type			EC					
Currency	High / Med / Low	A	2.1 / 0.8 / 0.3	2.8 / 1.1 / 0.4	4.2 / 1.6 / 0.6	2.1 / 0.8 / 0.3	4.2 / 1.6 / 0.6	
Electrical Consumption	High / Med / Low	kW	0.44 / 0.17 / 0.06	0.59 / 0.23 / 0.08	0.89 / 0.34 / 0.12	0.44 / 0.17 / 0.06	0.89 / 0.34 / 0.12	
Protecting Fuse		A	M16A					
Noise		dB(A)	40-55	40-56	40-57	40-55	40-57	
Dimensions	W x H x D	mm	2,210 x 260 x 590			1,210 x 260 x 490	2,210 x 260 x 490	
Weight		kg	70	100	138	60	128	
Outdoor combination with PACi Elite unit 40°C			U-100PE1E5/8	U-140PE1E5/8	U-200PE1E8	U-100PE1E5/8	U-140PE1E5/8	
Outdoor combination with PACi Standard unit 40°C			U-100PEY1E5/8	—	—	U-100PEY1E5/8	—	
Outdoor combination with PACi Elite unit 35°C			U-71PE1E5/8	U-100PE1E5/8	U-140PE1E5/8	U-71PE1E5/8	U-100PE1E5/8	
Outdoor combination with PACi Standard unit 35°C			U-100PEY1E5/8	U-100PEY1E5/8	—	U-100PEY1E5/8	U-100PEY1E5/8	
Outdoor combination with PACi Elite unit 30°C			U-50PE1E5	U-100PE1E5/8	U-100PE1E5/8	U-50PE1E5	U-100PE1E5/8	
Outdoor combination with PACi Standard unit 30°C			U-60PEY1E5	U-100PEY1E5/8	U-100PEY1E5/8	U-60PEY1E5	U-100PEY1E5/8	

All combinations under rated conditions: Heating Outdoor +7°C DB/+6°C WB Indoor +20°C DB. In case of lower outdoor temperatures a higher capacity outdoor unit model may be necessary.

1) Rated Conditions Cooling Outdoor +35°C DB Indoor +27°C DB/+19°C WB, Discharge temperature ³ 16°C.

