

AIR CURTAIN WITH DX COIL, CONNECTED TO THE VRF OR PACi SYSTEMS. COMPATIBLE WITH R32 OR R410A OUTDOOR UNITS

Highly efficient heating effect

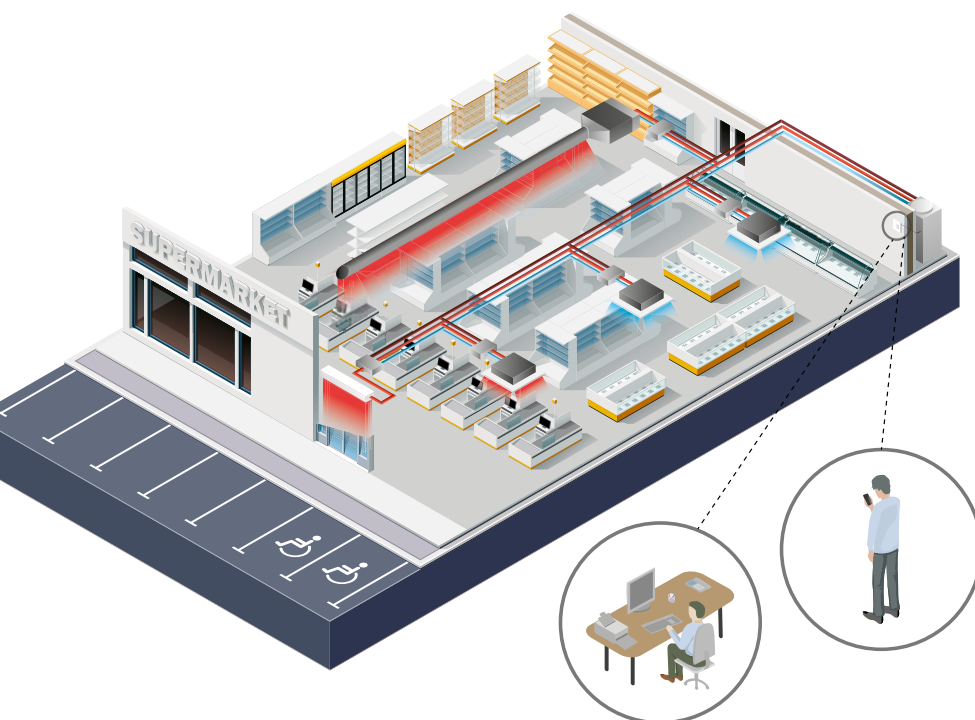
The combined air stream, which has a desirable low air current induction factor (mixing factor), can carry the selected initial temperature effect over long distances, and will reach the floor area while still at room temperature. This is necessary to avoid cooling down the interior spaces. Available in different lengths to suit requirements between 1 and 2,5m, 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 3,5m with the standard model up to 3,0m. 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.

- High performance with 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 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 fan guarantees 40% lower running cost than with a standard AC fan motor. Air curtains run approximately 12 hours per day at shops, and efficient performance contributes to energy savings.

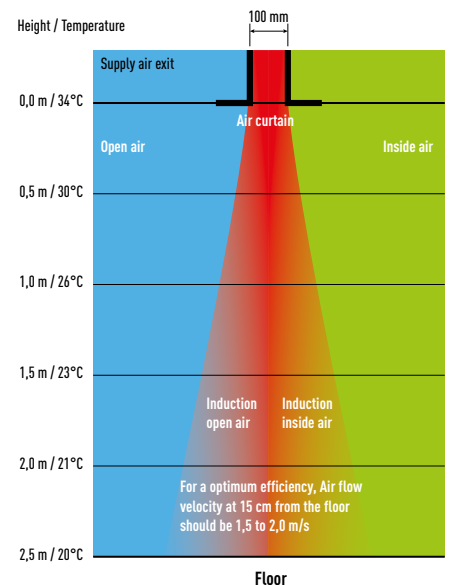
Internet Control

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.



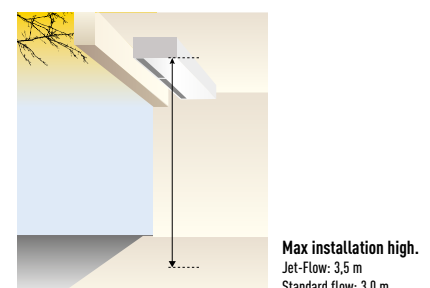
Intelligent Operation

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



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. 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

Features

Comfort.

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

Ease of use.

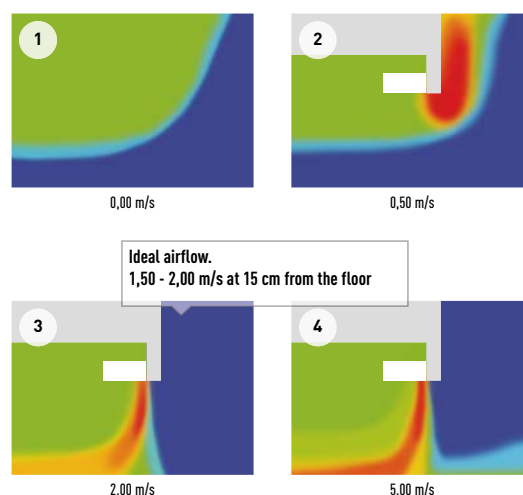
- Speed selector (high and low) on the unit itself

Easy installation and maintenance.

- Easy installation
- Compact dimensions improve installation and positioning (Jet-Flow)
- Easy cleaning of grid without opening of the unit

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 Tekadood air curtain connected to Panasonic VRF
4. Too high velocity air curtain – considerable turbulence, energy lost to the outside, air curtain not efficient



HP			4HP	6HP	8HP	4HP	8HP
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 / Medium / Low	m ³ /min	30,00/25,00/20,00	45,00/38,30/31,70	60,00/50,00/41,70	30,00/25,00/20,00	45,00/38,30/31,70
Cooling capacity ¹		kW	9,2	17,5	23,1	9,2	17,5
Heating capacity with air in 20°C, air out 40 / 35 / 30°C		kW	11,90/8,90/5,90	17,90/13,40/8,90	23,90/17,90/11,90	11,90/8,90/5,90	17,90/13,40/8,90
Max installation height	Good / Normal / Bad	m	3,50/3,10/2,70	3,50/3,10/2,70	3,50/3,10/2,70	3,00/2,70/2,40	3,00/2,70/2,40
Refrigerant			R410A	R410A	R410A	R410A	R410A
Liquid pipe		Inch (mm)	3/8(9,52)	3/8(9,52)	3/8(9,52)	3/8(9,52)	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	230V/50Hz/1/N/PE	230V/50Hz/1/N/PE	230V/50Hz/1/N/PE	230V/50Hz/1/N/PE
Fan type			EC	EC	EC	EC	EC
Currency	High / Med / Low	A	2,10/0,80/0,30	2,80/1,10/0,40	4,20/1,60/0,60	2,10/0,80/0,30	4,20/1,60/0,60
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	M16A	M16A	M16A	M16A
Noise		dB(A)	40-55	40-56	40-57	40-55	40-57
Dimension / Net weight	H x W x D	mm / kg	260 x 1210 x 590 / 70	260 x 1710 x 590 / 100	260 x 2210 x 590 / 138	260 x 1210 x 490 / 60	260 x 2210 x 490 / 128
PACi Elite with air out 40°C			10,0kW	14,0kW	20,0kW	10,0kW	14,0kW
PACi Standard with air out 40°C			10,0kW	—	—	10,0kW	—
PACi Elite with air out 35°C			7,1kW	10,0kW	14,0kW	7,1kW	10,0kW
PACi Standard with air out 35°C			10,0kW	10,0kW	—	10,0kW	10,0kW
PACi Elite with air out 30°C			5,0kW	10,0kW	10,0kW	5,0kW	10,0kW
PACi Standard with air out 30°C			6,0kW	10,0kW	10,0kW	6,0kW	10,0kW

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.

