



## Technical features



Range (door width)  
**Up to 5 m**



Airflow / Length  
**5400 - 14400 m<sup>3</sup>/h**  
**1,5 m to 3 m**



Fans  
**Centrifugal**  
**5-speed**



Chamber temperature  
**>0°C to -25°C**



Protection grade  
**Air curtain IP20 [\*]**  
**Fans IP44 [\*\*]**



Control  
**Plug&Play manual regulator**  
**+ IR remote control**  
**(Optional Clever Control)**



Casing  
**Galvanised steel /**  
**Stainless Steel (optional)**



Grille type  
**Circular perforated**



Outlet vanes  
**Aluminium, airfoil type**  
**Adjustable 0-15° each side**

RAL 9016  
standard



Stainless  
steel



Aqua Aero coating  
on request



Other colors  
on request



[\*] Optional M or G IP55 air curtain.

[\*\*] Optional IP55 fans.

TWIN K air curtain system has been designed to offer a versatile solution to any type of cold room.

Highly efficient climatic separation against thermal losses caused by the large temperature difference with 2 jets and recirculation technology.

Recommended for chambers over 0°C where low humidity is not required like vegetables storage or chambers below 0°C with pre-chambers with controlled conditions of humidity and temperature.

The system consists of two air curtains facing each other vertically with the jets reversed and extra intakes from pre-chamber. This double jet works as a closed circuit creating a separation zone at the door entrance. Thanks to this double air barrier, this is a cheaper alternative to the TRIOJET SYSTEM when space is limited. It requires a ceiling to cover 100% of the opening with the 2 jets (not included, must be provided by others)

We recommend Aqua Aero coating (15.000 hours salt spray test) or stainless steel to improve the protection against corrosion.

With double-inlet centrifugal low noise fans driven by an external rotor motor.

Includes Plug&Play control with 7m RJ45 cable and infrared remote control. Optionally can be regulated with Advanced Clever Control (programmable, automatic, intelligent, compatible with Modbus RTU for BMS).



✿ UNHEATED

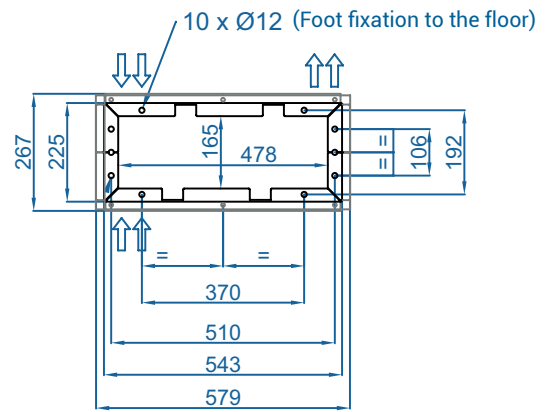
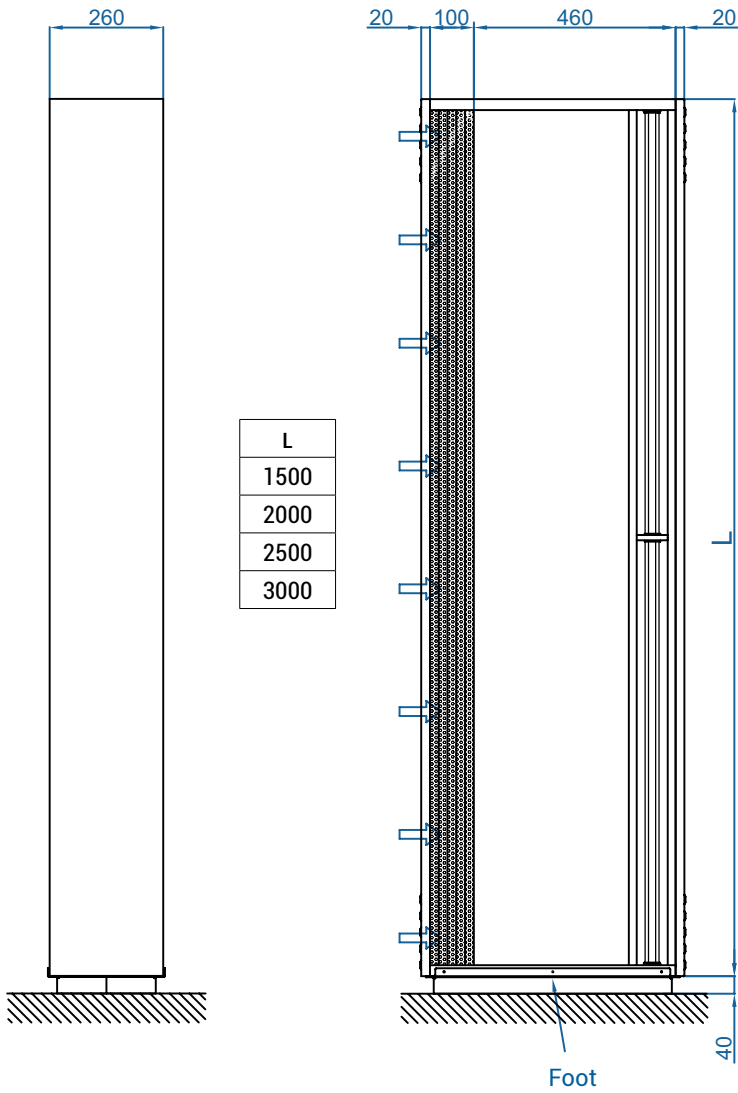
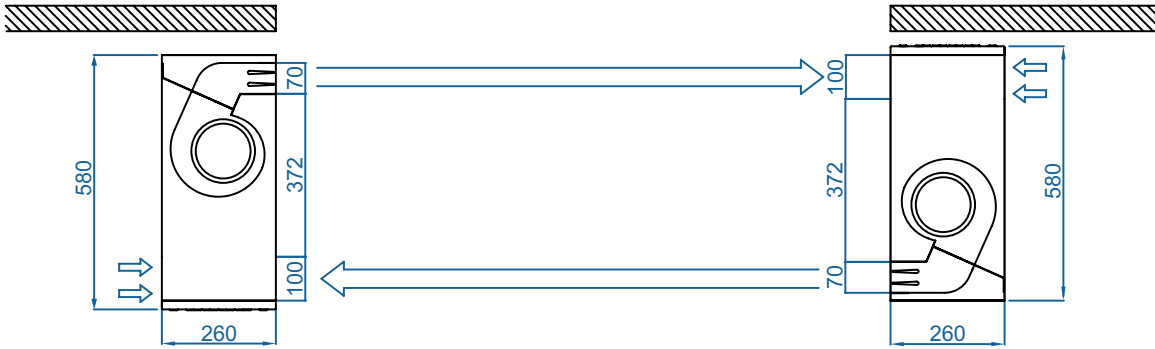
Model	Airflow 230V		Ventilation power 230V		Ventilation current 230V		Noise Level (5 m) dBA	Weight kg
	50Hz	60Hz	50Hz	60Hz	50Hz	60Hz		
	m <sup>3</sup> /h	m <sup>3</sup> /h	kW	kW	A	A		
TWIN KM 1500 A	5400	5800	0,636	0,744	2,82	3,30	59	56
TWIN KM 2000 A	7200	7680	0,848	0,992	3,76	4,40	60	70
TWIN KM 2500 A	9000	9700	1,060	1,240	4,70	5,50	61	76
TWIN KM 3000 A	10800	11640	1,272	1,488	5,64	6,60	62	88
TWIN KECM 1500 A	5520	5520	0,426	0,426	3,72	3,72	60	56
TWIN KECM 2000 A	7360	7360	0,568	0,568	4,96	4,96	61	70
TWIN KECM 2500 A	9200	9200	0,710	0,710	6,20	6,20	62	76
TWIN KECM 3000 A	11040	11040	0,852	0,852	7,44	7,44	63	88
TWIN KG 1500 A	6400	6400	1,712	0,992	7,60	4,40	61	61
TWIN KG 2000 A	9600	9600	2,568	1,488	11,40	6,60	62	80
TWIN KG 2500 A	11200	11200	2,996	1,736	13,30	7,70	63	86
TWIN KG 3000 A	12800	12800	3,424	1,984	15,20	8,80	64	98
TWIN KECG 1500 A	7200	7200	0,568	0,568	4,96	4,96	65	61
TWIN KECG 2000 A	10800	10800	0,852	0,852	7,44	7,44	66	80
TWIN KECG 2500 A	12600	12600	0,994	0,994	8,68	8,68	67	86
TWIN KECG 3000 A	14400	14400	1,136	1,136	11,92	11,92	68	98



Selection program



## Dimensions



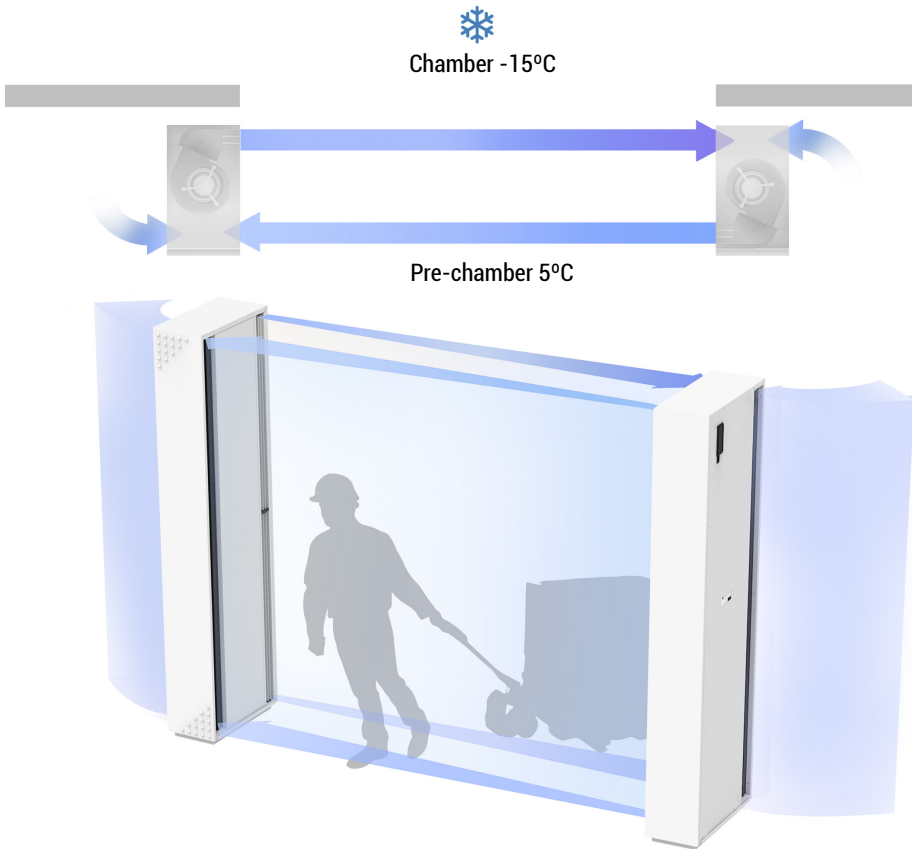
(Foot fixation to the casing)

CAD drawings, BIM files, installation manuals and other documentation





## Functioning



We consider a chamber at -15°C and a pre-chamber at 5°C (thermal leap 20°C).

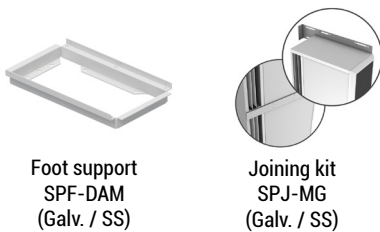
The TWIN K SYSTEM with two air curtains facing each other, creates a separation zone in the door that acts as a very efficient barrier against adverse situations.

This separation zone is created by self-recirculation in such a way that both air curtains suck the jet from the other curtain, along with air from the pre-chamber itself. This separation area is maintained between the temperature of the chamber and the pre-chamber thus reducing the temperature exchange between both sides.

Optionally, depending on the installation, electrical heating can be used to help remove ice from the ground and reduce humidity.

## Optional accessories

### Supports and installation



### Control



### Sensors

