



Design air curtain **Arcus, Arcus X**

Control and additional accessories

DITRONIC TOUCH controller

Ditronic controller is fitted with an intelligent processor regulator, designed specifically for Comfort and Design air curtains that are fitted with AC or EC fans. Due to the units sleek design and readable blue colour screen, it is suitable for most kinds of interior design applications (from a basic type to the more expensive stylish type). The controller offers local control, control from superior system (BMS) or Modbus compatibility.



The controller is suitable for the wall mounting and IP20 environment. The controller is to be connected via cable with the RJ45 connector (see picture).



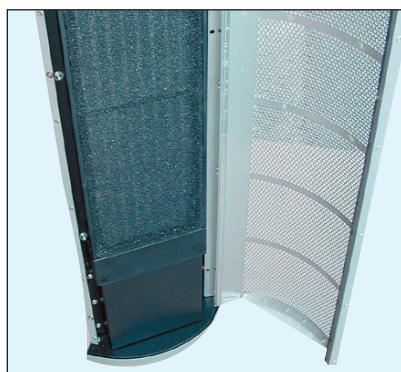
Dimensions of the controller (mm):
DITRONIC TOUCH
125 long x 90 high x 32 deep

Additional accessories for air curtain Compact 400

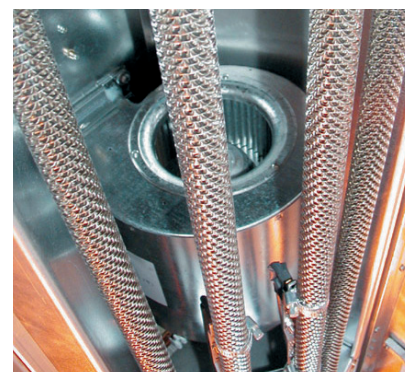
- BMS 0-10V - control the unit by BMS 0-10V
- Door contact 24V - magnetical (DKMG) door contact
- TP - room thermostat 230V for wall mounting
- Arcus SETLUX - in-built 2 way electrothermic valve, unit lighting
- Arcus NEREZ - air curtain in brushed stainless steel, side plates in RAL 9007
- Flexible connection pipes
- Spare filters EU2



Ergonomic louvers with arrest for ideal direction of air flow depending on installation and operation situation.



Easy accessible and recyclable air filter normally supplied for hot water heat exchangers contributes to long lifecycle of the installation and improves operational comfort.



Stainless steel heaters including protective and emergency thermostats are controllable in three steps in standard; heater performance depends upon request of customer.

Arcus, Arcus X 10/2017 An



Design air curtain

Arcus Arcus X

Dealership:



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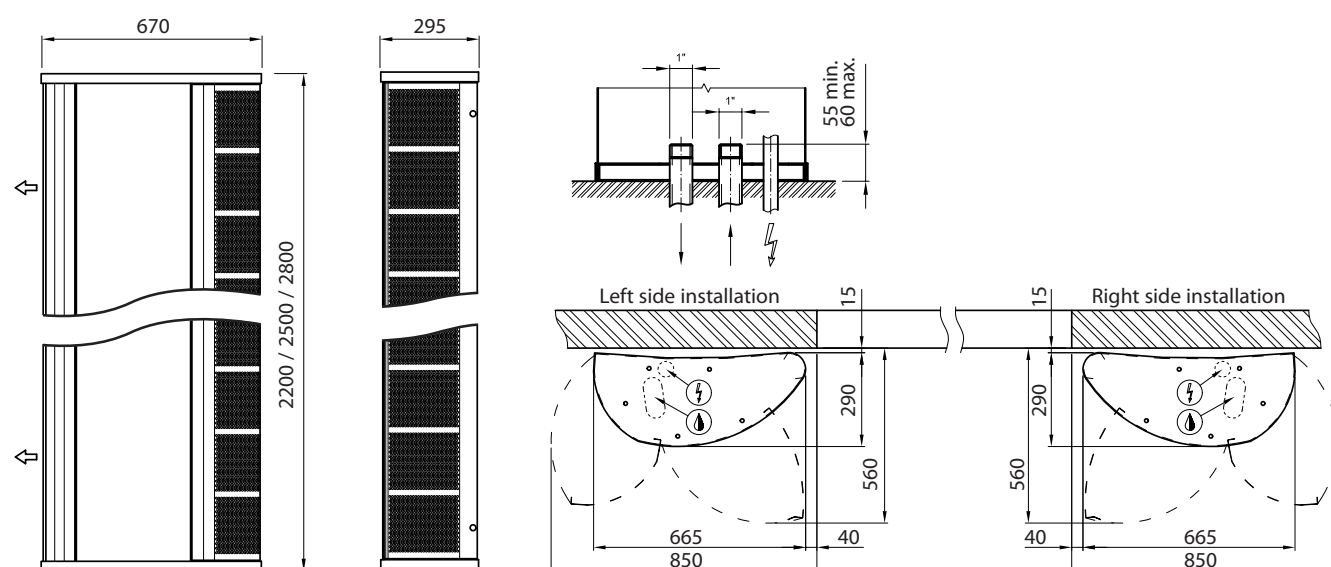
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Basic description

The design of Arcus and Arcus X air curtains makes them suitable for prestige interiors. The design Arcus air curtain finds its place at carousel door, and the Arcus X model is suitable for automatic door.

In past, standard comfort air curtains were used for this type of door for their performance but the design. Owing to the structure, the Arcus air curtains are beneficial from the point of appearance and technology. A special acoustic exhaust chamber enables optimum direction of airflow into the door space. With material combinations (stainless steel, painted components) of the components of the unit and various curvature diameters, the Arcus/Arcus X air curtain creates a harmonic and unmistakable part of the interior.

The Arcus/Arcus X air curtains are intended for vertical installation only. All utilities – electricity and central heating – are installed under floor and hence invisible. For the air curtains installed in already finished interior installations, we offer connection of the utilities from above.

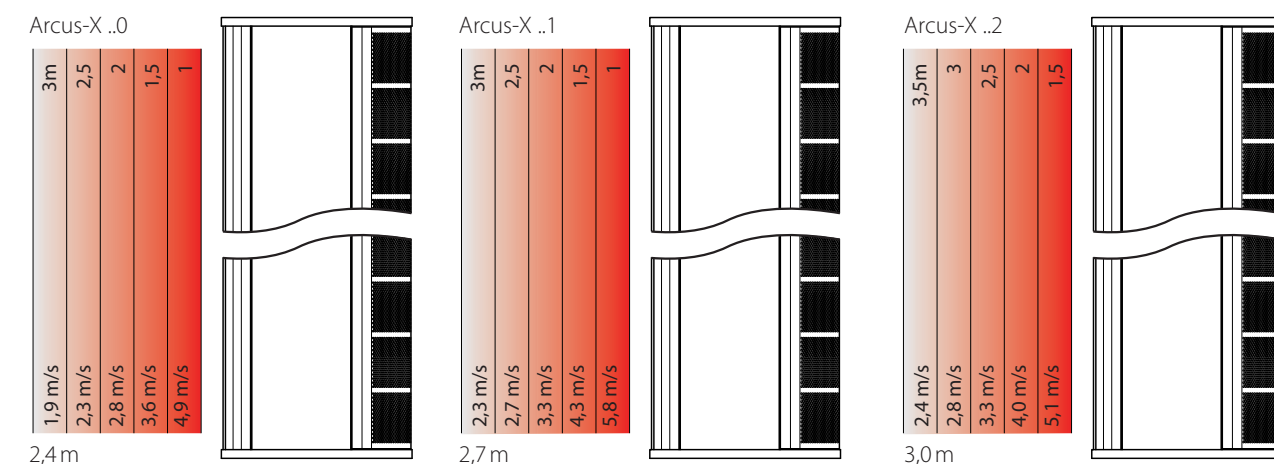


Technical data

Technical data		Arcus 2200 W/E Arcus-X 2200 W/E	Arcus 2201 W/E Arcus-X 2201 W/E	Arcus 2202 W/E Arcus-X 2202 W/E	Arcus 2500 W/E Arcus-X 2500 W/E	Arcus 2501 W/E Arcus-X 2501 W/E	Arcus 2502 W/E Arcus-X 2502 W/E	Arcus 2800 W/E Arcus-X 2800 W/E	Arcus 2801 W/E Arcus-X 2801 W/E	Arcus 2802 W/E Arcus-X 2802 W/E
Airflow S	[m³/h]	3900	4900	5830	4635	5730	6750	5400	6545	7650
Airflow W	[m³/h]	3640	4480	5175	4365	5220	5985	5040	6000	6800
Airflow E	[m³/h]	3640	4480	5175	4365	5220	5985	5040	6000	6800
Watercoil heating capacity [kW]		33,9	38,5	41,9	41,3	46	49,9	48,4	48,7	57,9
Water 80/60°C / t _p =18°C water pressure lost [kPa]		3,9	4,8	5,6	6,1	7,5	8,6	9	10,9	12,5
Water Flow [m³/h]		1,5	1,7	1,8	1,8	2	2,2	2	2,3	2,5
Connection [DN]		25	25	25	25	25	25	25	25	25
Electric coil** Max. heating capacity alt 1 Max. [kW]		15	15	17,5	17,5	17,5	22,5	25	25	27,5
current [V]		400	400	400	400	400	400	400	400	400
section quantity]		3	3	3	3	3	3	3	3	3
EC fans power [W]		825	990	1155	990	1155	1320	1155	1320	1485
current [A]		6	7,2	8,4	7,2	8,4	9,6	8,4	9,6	10,8
voltage [V]		230	230	230	230	230	230	230	230	230
Control type	Ditronic Touch									
Protection class		IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22	IP22
Noise level* dB (A)		59	62	64	60	62	65	61	63	66
Weight [kg]		163	165	168	185	188	190	208	210	213

* Acoustic pressure Lp(A) measurement taken at a distance of 3m from the unit source.

Technical data and recommended airflow coverage for different types of units.



Design properties

- An ideal accessory for carousel and automatic door to save heating and air-conditioning costs of a building.
- The Arcus air curtain has a modern self-supporting structure of rounded shape made from combination of brushed stainless steel (exhaust), polished stainless steel (service door), and painted RAL 9007 (sidewalls, suction).
- The Arcus X air curtain has in standard RAL 9023 colour with sidewalls in RAL 9007.
- Slim profile of both models enables installation of the air curtain either on the left or right side from the door entry. Non-standard air curtain height available upon request.
- Sound insulated exhaust chamber of the air curtain provides high noise attenuation and almost constant cross-sectional speed along height of the air curtain's exhaust nozzle when adjustable fins are used.
- The utilities are connected to and the air curtain is anchored under the floor (hidden) in standard. Hot water heat exchangers with performance reserve with built-in deaeration and sludge valve. Pressure hoses and ball cocks mounted in standard enable failure-free and quick assembly. A thermoelectric valve is used for exhausted air temperature control.
- The standard three-step electric heaters with heating elements are fitted with spirals with stainless braiding for effective cooling of the body; protection and operation components provide failure-free operation including full electric outfit.
- The Arcus and Arcus X air screens are fitted in standard with EC fans with dynamic and static stability for high performance and quiet operation, with overload thermal protection.