Series						
Friguvent-1		**100**	**150**	**200**	**250**	**300**
Overall length/height "B"	[mm]	1.000	1.500	2.000	2.500	3.000
Weight	[kg]	25	35	45	55	70
Air volume						
Nominal flow rate	[m³/h]	2.100	3.150	4.200	5.250	6.300
Actual flow rate	[m³/h]	1.450	2.400	3.200	4.000	4.800
Max. air discharge speed	[m/s]			12,5		
Fans						
AC technology (EC technology available as an option)*						
Voltage / frequency	[V/Hz]			230 / 50		
Output	[kW]	0,46	0,69	0,92	1,15	1,38
Power consumption	[A]	2,10	3,15	4,20	5,25	6,30

Friguvent-2		**100**	**150**	**200**	**250**	**300**
Overall length/height "B"	[mm]	1.000	1.500	2.000	2.500	3.000
Weight	[kg]	30	40	50	60	75
Air volume						
Nominal flow rate	[m³/h]	2.100	4.200	5.250	6.300	7.450
Actual flow rate	[m³/h]	1.700	3.200	4.000	4.800	5.600
Max. air discharge speed	[m/s]			14,5		
Fans						
AC technology (EC technology available as an option)*						
Voltage / frequency	[V/Hz]			230 / 50		
Output	[kW]	0,46	0,92	1,15	1,38	1,61
Power consumption	[A]	2,10	4,20	5,25	6,30	7,35

Friguvent-3		**100**	**150**	**200**	**250**	**300**
Overall length/height "B"	[mm]	1.000	1.500	2.000	2.500	3.000
Weight	[kg]	40	65	85	105	125
Air volume						
Nominal flow rate	[m³/h]	3.800	5.800	8.500	11.600	14.500
Actual flow rate	[m³/h]	3.100	5.000	6.700	8.500	10.200
Max. air discharge speed	[m/s]			17,0		
Fans						
AC technology (EC technology available as an option)*						
Voltage / frequency	[V/Hz]			230 / 50		
Output	[kW]	0,90	1,81	2,71	3,62	4,52
Power consumption	[A]	4,27	8,54	12,81	17,08	21,35

Subject to technical changes.

* Maximum output data for conductor dimensions. The electrical output data in device operation are lower.

Design

Self-supporting housing, made from a bond of aluminium sections and sheet steel in the colour RAL 9010. The device is also available in a colour of the customer's choice or optionally in stainless steel.*

Air intake opening underneath by means of a perforated plate, coated in the same colour as the device, which simultaneously serves as an inspection opening and can be accessed easily for maintenance purposes.

The CONVERGO® pressure chamber nozzle system with a large air discharge angle adjustment range that is almost loss-free, requires only little energy and achieves optimum screening results.

AC or EC fans (230V/IP54).

The device is designed in accordance with protection class IP 54.

Mode of operation

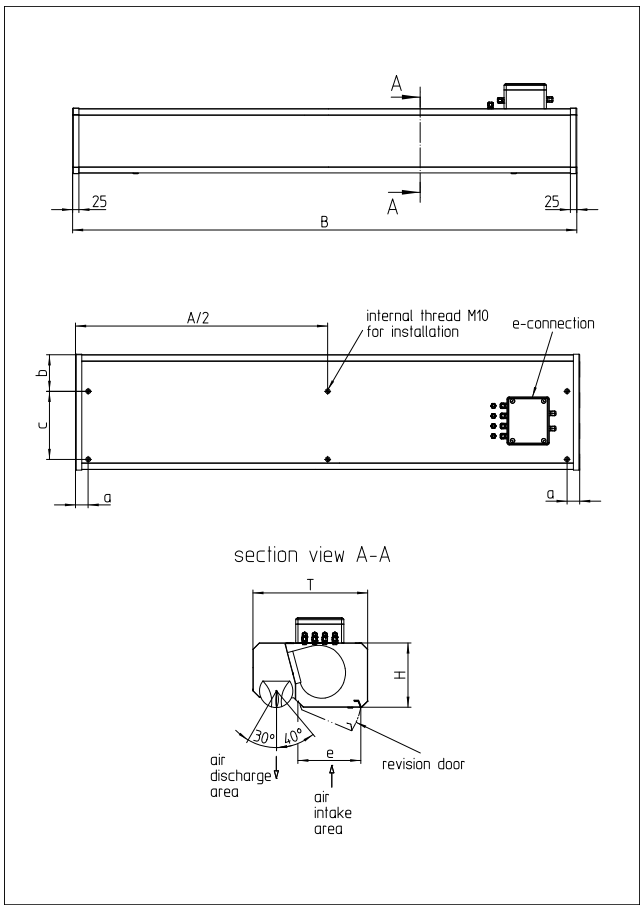
The air curtain system is switched on by an external contact when the chiller room door is opened. A sharp air current with high screening performance is placed in front of the entire door opening (air barrier) by one or more dual inlet radial fans and by the pressure chamber nozzle system.

The output and width of the device comply with the door measurements, the height of the chiller room and the temperature difference between anteroom and chiller room.

It is possible to adapt to the operating conditions by making manual adjustments to the air discharge angle and changes to the air volume. The width of the device should correspond to the clear width of the opening.

Controller / accessories

The sturdily built, reliable FST (5-stage) controller is located in a plastic housing (protection class IP 54), completely ready for connection, with transformer, main switch, step switch and motor protection using thermal contacts.



	Dimensions			Mounting			Inspection cover
	Width B [mm]	Height H [mm]	Depth T [mm]	a [mm]	b [mm]	c [mm]	e [mm]
1	1000 to 3000	260	455	50	145	270	248
2							
3		435	725	50	165	515	471

Order key

FRIGUVENT			
1 = Series (power setting)			
2 = Series (power setting)			
3 = Series (power setting)			
	100, 150, 200, 250, 300 = overall width in cm		
		RAL 9010 (standard colour)*	
2	**200**	**9010**	**= example**

* RAL 9010 = pure white.
Optional: surface in stainless steel.

All measurements are in mm. Subject to technical changes.