

Air Conditioning
Cooling



Heating
Ventilation

HVAC air curtains

Type PlatinAir

HVAC®

Air curtains

Design air curtain

PlatinAir

Low energy costs and high efficiency



The visual range of the air curtain type **PlatinAir** is designed without screw and rivet connections outside. The side panels are adapted to the housing in terms of shape and colour comprising a harmonic unit with the device.

The **PlatinAir** is an attractive device in self-supporting design compounded from galvanized sheet-steel, finishing in powder coated RAL 9010 (pure white). Other colours are available on request.

The **PlatinAir** is available with front and bottom suction for freely suspended and ceiling flush or suspended ceiling installations.

The intake louver consists of a powder coated perforated sheet-steel in device colour. A large flap at the bottom of the device allows the easy access for maintenance and replacement or cleaning of the EU2 filter.

The top of the device features M8 or M10 rivet nuts for the easy wall or ceiling assembly.

The hot water model of the **PlatinAir** includes a copper/aluminium heating system that is designed for high performance and a broad range of applications. The heating connections are located by default on the left top.

The electrically heated version employs resistor heaters 400 V of corrosion-resistant, helical ribs with thermal overheating protection. The double-surved anti-vibration radial fans, equipped with energy saving EC motor, are supplied with direct current and are extremely silent in the operation and provide the power-specific airflows.

The **PlatinAir** blow-out Jet-Flo is made of anodized aluminium finishing in device colour.

Regulation airflow with five-stage touch button control (hot water) or five-stage air control and three-stage heat control (electrical). Including hand/auto and summer/winter operation control.

Delivered with 20-meter length of regulating cable with 2 x RJ45 connectors.

Our air curtains are TÜV SÜD certified.



HVAC®

Air curtains

HVAC aerodynamic JET-FLO air curtain technology

HVAC developed a new air curtain generation, using the “JET-FLO tubes”, which have inside aerodynamically shaped and adjustable wings: leaving the tube, the air becomes an extra concentrated and condensed airflow like air below an airplane - wing, resulting in following unique characteristics:

- 40% less energy consumption compared to any other air curtain
- The only air curtain worldwide fully shielding an open entrance gap
- The only air curtain worldwide for heights up to 6 meter or any width
- Double adjustable; air velocity and blow out direction
- Much less air volume needed, resulting in a very silent operation
- No insects can pass through due to the concentrated air stream
- Architecture variety possible thanks to the compact JET-FLO tube
- The tube is accurately to direct to building over-or under pressure
- The air stream can be adjusted towards winter- or summer mode
- Investment is earned back in < 2 years by the very high efficiency
- Noise level is upon the very lowest in the market (42 – 58 dB(A))

These unique characteristics make implementation of JET-FLO air curtains possible in situations & business sectors, where this is hardly possible with air curtains, using conventional air-outlets:

- All industrial environments in general (shielding the internal air)
- Food industry (shielding entrances of cool- & deep freeze stores)
- Shielding neighbors against smell from garbage treatment plants
- Preventing smell to penetrate from one to next production process
- Creating strong “air locks” at entrances in heavy circumstances
- Shielding entrances at direct strong & cold sea winds (up to Bf 6!)
- Compensating losses & draft (up to 20%) of revolving doors
- Compensating losses & draft (up to 50%!) of sliders at vestibules
- Decrease CO2 emission

Our advice

Explain us your specific problem and we will investigate which JET-FLO air curtain configuration is the ultimate solution!



Specifications

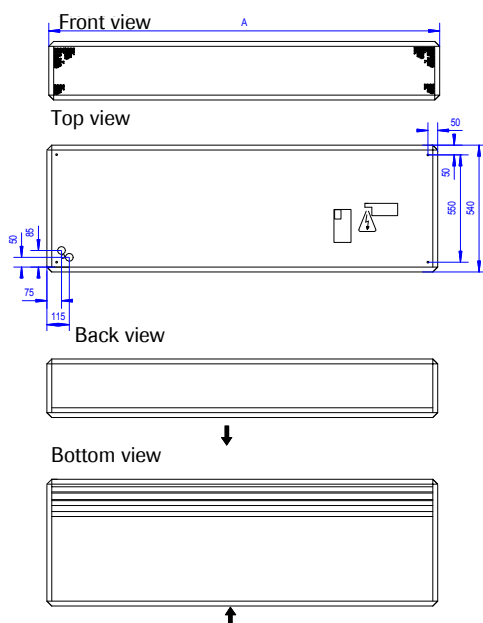
Series			PlatinAir-1					PlatinAir-2					PlatinAir-3				
Installation height	max.	m	2,7					3,2					4,5				
Active part		cm	100	150	200	250	300	100	150	200	250	300	100	150	200	250	300
Air flow		m ³ /h	1800	2400	3000	3600	4800	2700	3600	4500	5400	6300	4000	6000	8000	10000	12000
Air velocity	lowest stage	m/s	5,5	4,8	4,5	4,3	4,8	8,2	7,2	6,7	6,4	6,2	12,2	12,0	11,9	11,9	11,8
	highest stage	m/s	10,6	9,2	8,6	8,2	9,1	15,8	13,6	12,9	12,3	11,9	23,4	23,0	22,8	22,7	22,6
Noise level	lowest stage	dB(A)	≤40	≤41	≤41	≤41	≤42	≤41	≤43	≤44	≤45	≤46	≤50	≤51	≤52	≤52	≤53
	highest stage	dB(A)	54	56	58	60	61	54	56	58	60	62	57	59	60	61	62
Heating capacity	w 80/60 °C	kW	16,4	19,6	21,7	25,5	50,1	21,1	25,1	27,6	32,5	60,7	35,2	38,4	43,8	52,9	102,7
	w 60/40 °C	kW	8,7	15,0	20,2	22,3	36,1	11,0	19,6	26,9	29,0	43,7	19,4	30,0	43,4	48,6	75,8
Water flow	w 80/60 °C	m ³ /h	0,7	0,9	1,0	1,1	2,2	0,9	1,1	1,2	1,4	2,7	1,6	1,7	1,9	2,3	4,5
	w 60/40 °C	m ³ /h	0,4	0,7	0,9	1,0	1,6	0,5	0,9	1,2	1,3	1,9	0,9	1,3	1,9	2,1	3,3
Water pressure	w 80/60 °C	kPa	8,4	15,4	3,7	4,5	15,1	13,7	21,6	5,9	7,2	21,9	18,6	24,8	15,8	19,9	36,6
	w 60/40 °C	kPa	2,5	18,4	6,2	3,5	9,5	3,9	29,9	10,4	5,8	13,6	13,7	78,0	30,0	17,1	27,7
Pipe connection	Supply	inch	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
	Return	inch	¾	¾	¾	¾	¾	¾	¾	¾	¾	¾	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Electrical Data		V/Hz	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50	230/50
		kW	0,30	0,52	0,65	0,59	1,04	0,44	0,59	0,74	0,89	1,04	0,55	0,82	1,10	1,37	1,65
		A	1,4	2,4	3,0	2,8	4,8	2,1	2,8	3,5	4,2	4,9	3,02	4,54	6,05	6,71	9,07
Electrical Register	E-Stage 1	kW	3,0	4,0	6,0	6,0	10,6	5,0	5,0	6,0	10,6	10,6	5,0	7,5	10,0	10,6	10,6
	E-Stage 2	kW	6,0	8,0	12,0	12,0	21,3	10,0	10,0	12,0	21,3	21,3	10,0	15,0	20,0	21,3	21,3
	(three stage, 400V, 3Ph,50Hz) E-Stage 3	kW	9,0	12,0	18,0	18,0	32,0	15,0	15,0	18,0	32,0	32,0	15,0	22,5	30,0	32,0	32,0
Weight	Design "S"	kg	33	48	63	79	95	44	66	85	106	127	57	58	112	140	168
	Design "U"	kg	35	52	68	85	102	47	69	91	114	137	61	90	119	149	179
Dimensions	Width	mm	1000	1500	2000	2500	3000	1000	1500	2000	2500	3000	1000	1500	2000	2500	3000
	Height	mm	240					240					300				
	Depth	mm	540 / 780					540 / 780					770 / 1220				

The aerodynamic Jet-Flo high-pressure chamber system with double large non-dissipative adjustment range of the blower (40°) is responsible for a significantly improved shielding performance, a lower noise level and an improved energy balance.

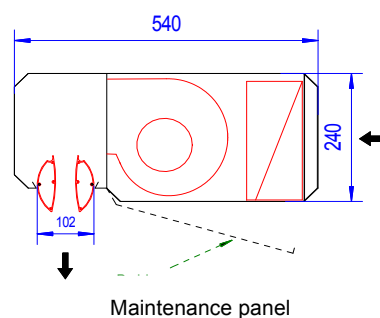
The PlatinAir Jet-Flo high-pressure chamber system cannot be compared to a traditional system because it consumes 35-40 % less energy for the same shielding performance.

Model S

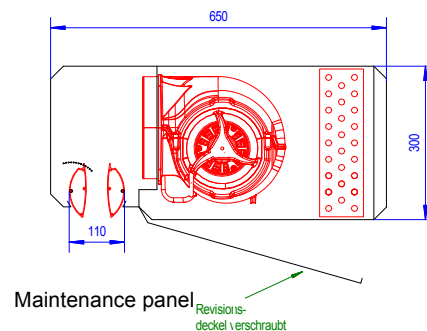
PlatinAir	Type S	1	2	3
Width	W mm	1000-3000	1000-3000	1000-3000
Height	H mm	240	240	300
Depth	D mm	540	540	650



Model 1 and 2 -S



Model 3 -S



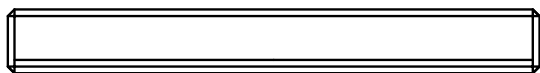
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Air curtains

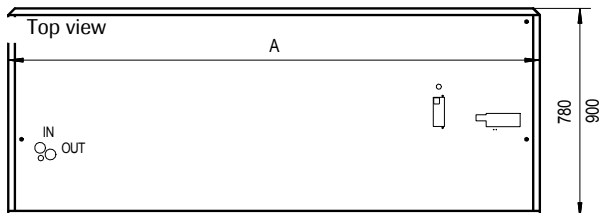
Model U

PlatinAir	Type U	1	2	3
Width	A mm	1000-3000	1000-3000	1000-3000
Height	H mm	240	240	300
Depth	D mm	780	780	900

Front view

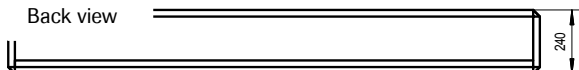


Draufsicht

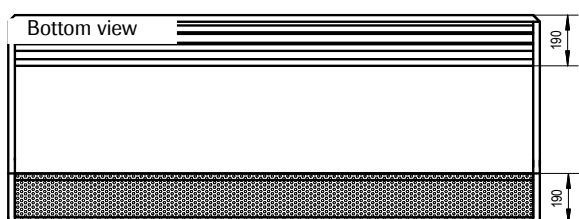


Rückansicht

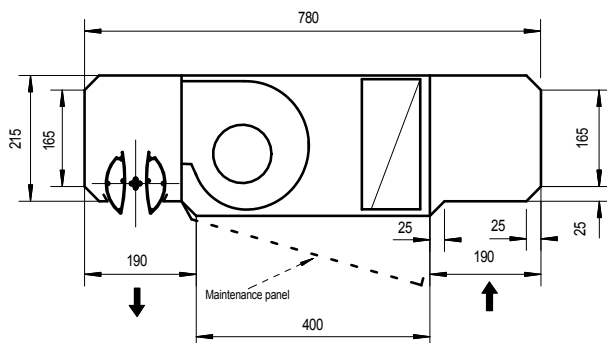
Back view



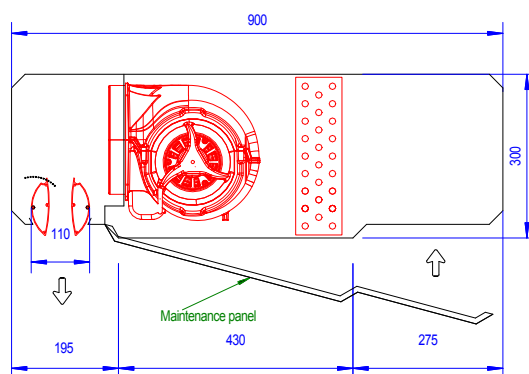
Unteransicht



Model 1 and 2 -U (also for ceiling installation)



Model 3 -U (also for ceiling installation)



Devices for suspended ceilings type UDB and Z see documentation PlatinAir-UDB-Z



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