INVISAIR | HIGH PRESSURE RECESSED AIR CURTAINS FOR COMMERCIAL DOORS

Technical Features

RAL 9016 standard

Other colors on request

Stainless steel

Range
Up to 13,8 ft

Airflow / Length
1471 - 3914 cfm
4,9 ft to 8,2 ft

Fans
Centrifugal
5-speed

Heating types
E : electrical 3 stages
P : water
A : unheated

Heating capacity
E : 10 - 30,5 kW
P : 44,63 - 114,78 kBtu/h

Control
Plug&Play manual regulator + IR remote control

Casing
Galvanised Steel [*]

Grille type
Micro-perforated with prefilter function

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

[*] Customizable dimensions on request

INVISAIR air curtain is designed to be installed invisibly in false ceilings and columns or drawers around the door. It is an ideal solution for those entrances that for architectural reasons require an air curtain installation that is fully integrated into the interior design of the building. Casing painted in RAL 9016. Other colors are available on request.
It can be vertically or horizontally mounted. The air flow of Invisair follows a straight line from the air inlet grille to the to the discharge. Inlet area inside a bulkhead or column should be designed with suitable grille provided by others.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans.

Includes Plug&Play control with 23ft RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

UNHEATED 208V-1ph~60Hz

Model	Airflow	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight
	cfm	kW	A	dB(A)	lb
IG 1500 A	1824	0,442	2,14	57	132,3
IG 2000 A	2737	0,663	3,21	58	172
IG 2500 A	3193	0,774	3,75	59	183
IECG 1500 A	2119	0,425	3,72	61	132,3
IECG 2000 A	3178	0,638	5,58	62	172
IECG 2500 A	3708	0,744	6,51	63	183

UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	cfm	kW	A	dB(A)	lb
IG 1500 A	1942	0,526	2,20	58	132,3
IG 2000 A	2913	0,789	3,30	59	172
IG 2500 A	3399	0,921	3,85	60	183
IECG 1500 A	2236	0,508	3,92	62	132,3
IECG 2000 A	3354	0,762	5,88	63	172
IECG 2500 A	3914	0,889	6,86	64	183

ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 208V-1ph ~60Hz	Ventilation current 208V-1ph ~60Hz	Noise level (5 m)	Weight
	cfm	kW	kW	kW	kW	kW	A	dB(A)	lb
IG 1500 E	1766	3,5/6,5/10	3,5/7/10,5	4/7,5/11,5	5/5,5/10,5	0,442	2,14	57	160,9
IG 2000 E	2648	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	58	211,6
IG 2500 E	3090	5,5/9/14,5	6/12/18	6,5/13/19,5	8/9,5/17,5	0,774	3,75	59	227,1
IECG 1500 E	2119	6/9,5/15,5	5,5/10,5/16	5,8/11,7/17,5	5,5/11/16,5	0,425	3,72	61	160,9
IECG 2000 E	3178	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	62	211,6
IECG 2500 E	3708	5,5/9/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,744	6,51	63	227,1

(*) Under request other electrical heating power can be limited.

For 208V~3ph~60Hz air Curtains there is only needed to connect three-phase power supply.
For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).

ELECTRIC HEATED 240V-1ph~60Hz

Model	Airflow	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 240V-1ph ~60Hz	Ventilation current 240V-1ph ~60Hz	Noise level (5 m)	Weight
	cfm	kW	kW	kW	kW	kW	A	dB(A)	lb
IG 1500 E	1883	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,526	2,20	58	160,9
IG 2000 E	2825	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	59	211,6
IG 2500 E	3296	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,921	3,85	60	227,1
IECG 1500 E	2177	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,508	3,92	62	160,9
IECG 2000 E	3266	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	63	211,6
IECG 2500 E	3811	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,889	6,86	64	227,1

(*) Under request other electrical heating power can be limited.

WATER HEATED 208V-1ph~60Hz

Model	Airflow	P86 (176/140°F)		P64 (140/104°F)		P54 (122/104°F)		Ventilation power (*)	Ventilation current (*)	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	cfm	kBtu/h	psi	kBtu/h	psi	kBtu/h	psi	kW	A	dB(A)	lb
IG 1500 P	1471	48,79	0,11	44,63	0,94	46,75	0,65	0,442	2,14	57	152,1
IG 2000 P	2207	76,06	0,32	64,35	0,80	66,2	0,35	0,663	3,21	58	196,2
IG 2500 P	2575	94,99	0,59	76,7	0,59	82,13	0,63	0,774	3,75	59	207,2
IECG 1500 P	2001	59,0	0,16	54,49	1,34	58,07	0,96	0,427	3,81	61	152,1
IECG 2000 P	3001	91,68	0,45	78,45	1,14	82,06	0,51	0,640	5,72	62	196,2
IECG 2500 P	3502	114,78	0,82	93,77	0,85	102,02	0,92	0,747	6,67	63	207,2

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.
(*) Voltage 208-1ph~60Hz

WATER HEATED 240V-1ph~60Hz

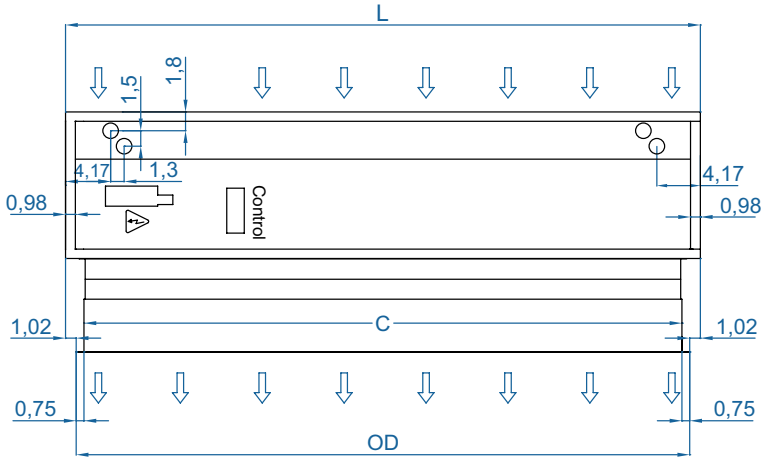
Model	Airflow	P86 (176/140°F)		P64 (140/104°F)		P54 (122/104°F)		Ventilation power (*)	Ventilation current (*)	Noise level (5 m)	Weight
		Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop	Water heating capacity	Water pressure drop				
	cfm	kBtu/h	psi	kBtu/h	psi	kBtu/h	psi	kW	A	dB(A)	lb
IG 1500 P	1766	54,66	0,14	50,29	1,16	53,23	0,82	0,526	2,20	58	152,1
IG 2000 P	2648	85,03	0,39	72,44	0,99	75,27	0,44	0,789	3,30	59	196,2
IG 2500 P	3090	106,36	0,72	86,5	0,74	93,53	0,79	0,921	3,85	60	207,2
IECG 1500 P	2060	60,02	0,16	55,52	1,39	59,23	0,51	0,508	3,92	62	152,1
IECG 2000 P	3090	93,29	0,46	79,91	1,18	83,7	0,53	0,762	5,88	63	196,2
IECG 2500 P	3605	116,8	0,85	95,51	0,88	104,1	0,96	0,889	6,86	64	207,2

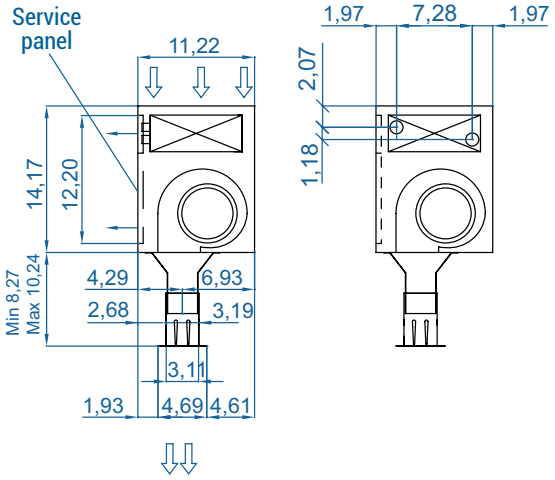
Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.
(*) Voltage 240-1ph~60Hz

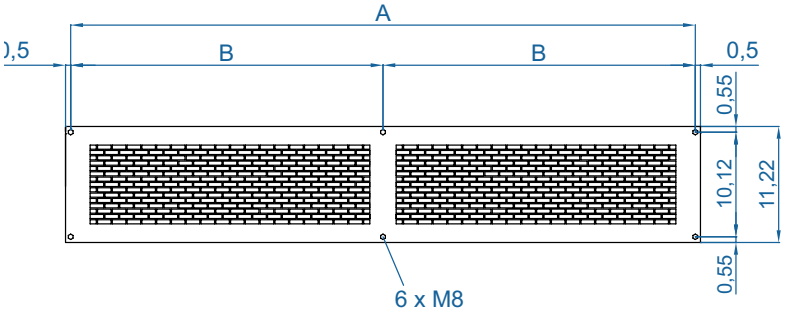
Selection program

Dimensions

Horizontal installation



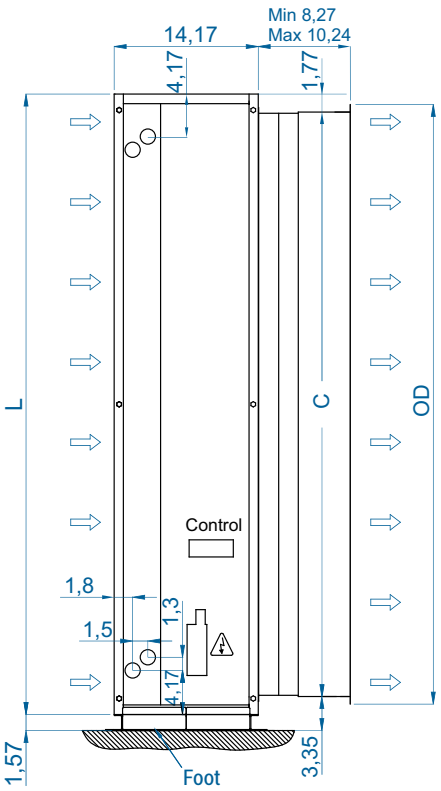


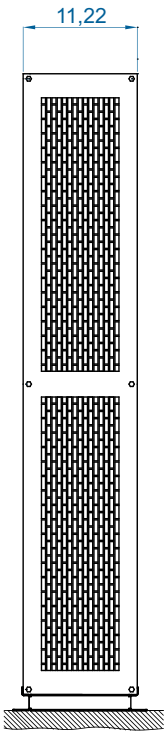


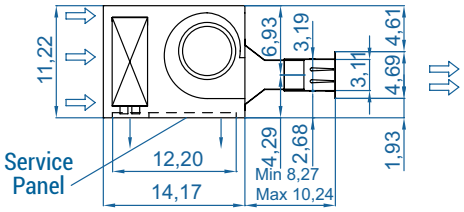
Model	L	A	B	C	OD
1000	41,34	40,35	-	37,83	39,29
1500	61,02	60,04	30,02	57,52	58,98
2000	80,91	79,92	39,96	77,20	78,66
2500	100,59	99,61	49,80	96,89	98,35
3000	118,11	117,13	58,56	116,57	118,03

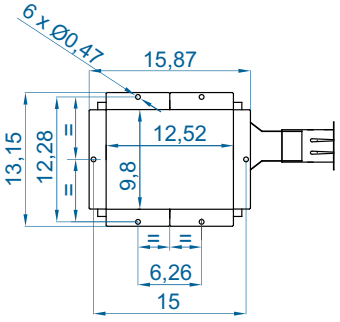
Customizable dimensions on request

Vertical installation









CAD drawings, installation manuals and other documentation

CAD

Installation configurations

Optional accessories

Supports and installation


Wall rail support SPWR


Silentblock supports SPANG-SIL / SLB


Suspension cables SPCT


Wall angle support Invisair MG


Flat inlet grille


Foot support SPF-INVISAIR (Galv.)


Joining kit SPJ-INVISAIR (Galv.)

Control


IR Control
✔Included


Basic Control
✔ Included


RJ45 Cable
✔ Included


Hand-Auto CH-5HW-NE


Interface kit IN-NE-II

Sensors


Magnetic door contact MAG-DC
✔Included


Mechanical door contact MEC-DC