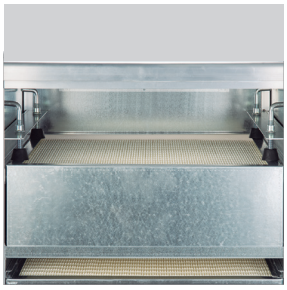
Air purification units for false ceilings or wall installation. Suitable for both built-in ductwork installation and as independent units.
The main module comprises the following stages: G4 pre-filtration, fan(s), F7 ePM1 middle filter (50%) and H14 absolute filter (e≥99.995% s/EN-1822-1).
Recirculation of indoor air through three stages of filtration ensures continuous purification of the indoor environment, removing particles and contaminants contained in it, such as: dust, pollen, spores, bacteria, viruses, and PM10, PM2.5 and PM1 fine particles.

Control
Included: a fully operational control, located inside the electrical cabinet and wired to all equipment components (fans, flow transducer and filter contamination detectors).
It comes with a remote control (wired). It gives you manual or automatic fan control.

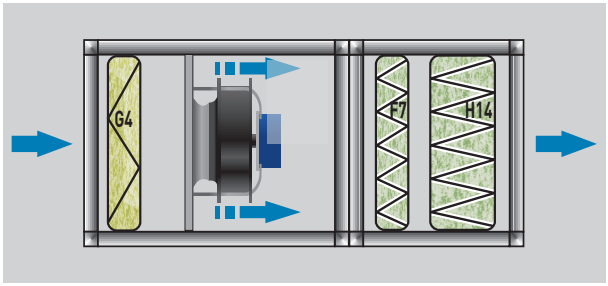
Upon request
Option to equip with water batteries, direct expansion or electric heating batteries.

Accessories / Modules
- Plenums with meshes.
- Plenums without meshes.
- Meshes.
- Silencers.
- Mixing modules.

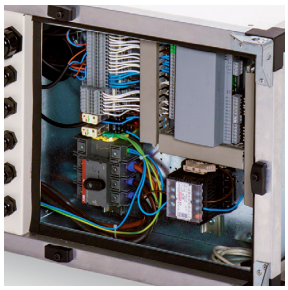
Heavy-duty structure
Robust, aluminium profile construction. Reinforced clamping and union brackets.



Excellent sealing
The H14 absolute filter mounting system with rubber gasket and threaded knob tightening system ensures a good sealed joint and prevents unfiltered air by-pass.



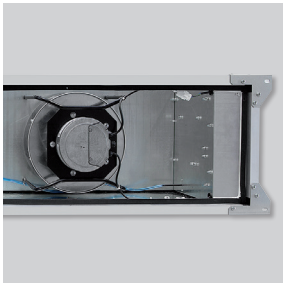
Triple filtering stage
The first G4 filtration stage traps the larger particles, such as dust or lint from clothing. The F7 middle phase filters out fine particles such as pollen, as well as 50% of the particles smaller than 1 micron. Lastly, the absolute filter retains particles smaller than 1 micron, including fungi, bacteria, and viruses.



CONTROL
UP PRO-REG units are supplied with built-in operational control.
It includes manual or automatic fan control in VAV, CF and CP modes:
VAV- Variable air volume
Fan speed can be adjusted using a 0-10V analogue signal.
CF - Constant flow
Fan speed is regulated to ensure a constant airflow that gradually compensates for filter contamination.
CP - Constant pressure (for interlayered units in ductworks)
Fan speed is regulated to maintain a constant pressure in the ductwork.

Supplied control
UP PRO-REG units are supplied with a pre-wired touch screen (10 m supplied with the equipment, extendible up to 50 m).
From the display, you can adjust the airflow in different time slots, monitor filter and fan status, and many other functions.
* See full control functionalities table.

CONSTRUCTIVE BENEFITS



Fans
Plug-fan with backward blade impeller and EC motor.

Acoustic insulation
Low radiated sound level made possible by our acoustic attenuation provided by double 25-mm sheet metal panels with mineral wool insulation.

Certified efficiency
Minimum 99.995% filtration as per the EN-1822 standard. Each UP Purification Unit comes with an individual certification that states that each filter has passed the corresponding laboratory test.

Build-in control
Integrated electronic control and wiring of the various components (fans, pressure switches, flow transducer).

Excellent for false ceilings
Thanks to its high-width ratio, the UP units feature a high purification flow rate at a low height. Between 360 and 500 mm depending on the model.

TECHNICAL CHARACTERISTICS

Modelo	Power supply	Total fan power (kW)	Maximum total intensity (A)	Nominal flow rate (m^3/h)	Static pressure available to clean filters (Pa)	Surface to be treated* (m^2)	Air connection sizes (mm)	Weight (kg)
UP-1200 H14	1F /230V, 50-60Hz	0,46	2,0	1.200	140	100 - 133	690 x 300	120
UP-2300 H14	1F /230V, 50-60Hz	0,9	3,9	2.300	210	192 - 256	1040 x 350	160
UP-3600 H14	1F /230V, 50-60Hz	1,7	7,5	3.600	310	300 - 400	1440 x 350	235
UP-5200 H14	3+N/400V, 50-60Hz	2	3,7	5.200	235	433 - 578	1840 x 440	292

* Commercial and offices application with 3 meters free height to ceiling.

CONFIGURATIONS

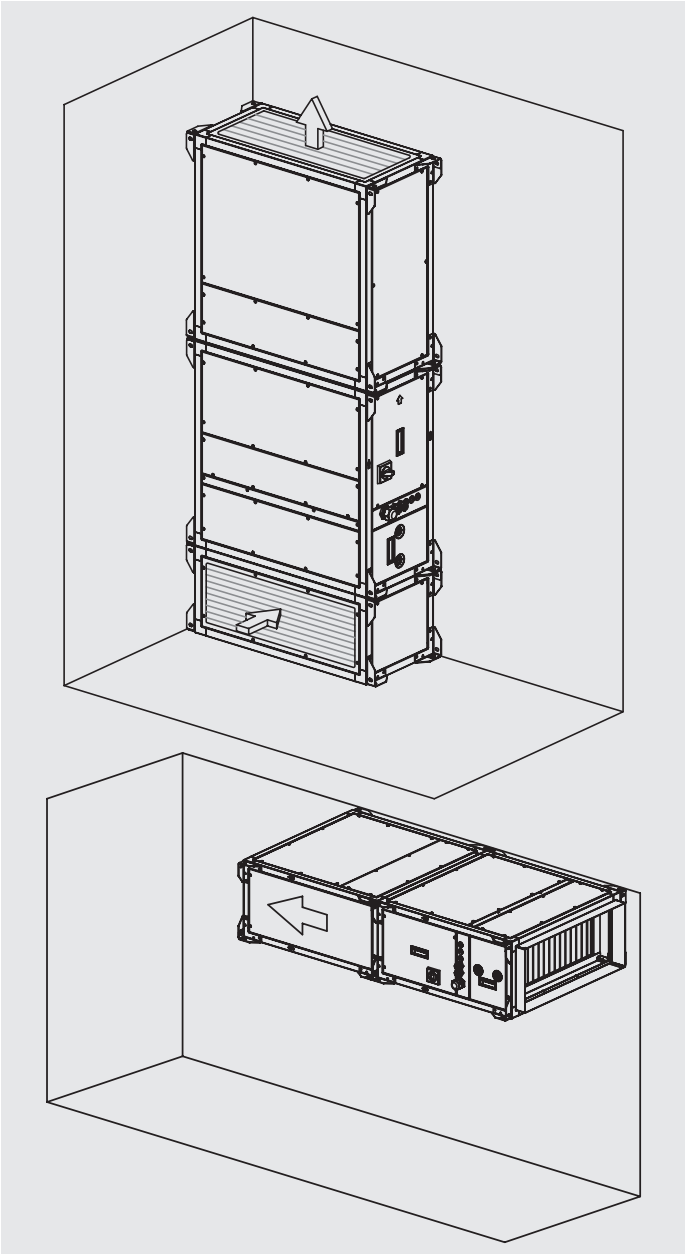
Lateral connections

All UP models are available left side (Version L) and right side (Version R) connections.

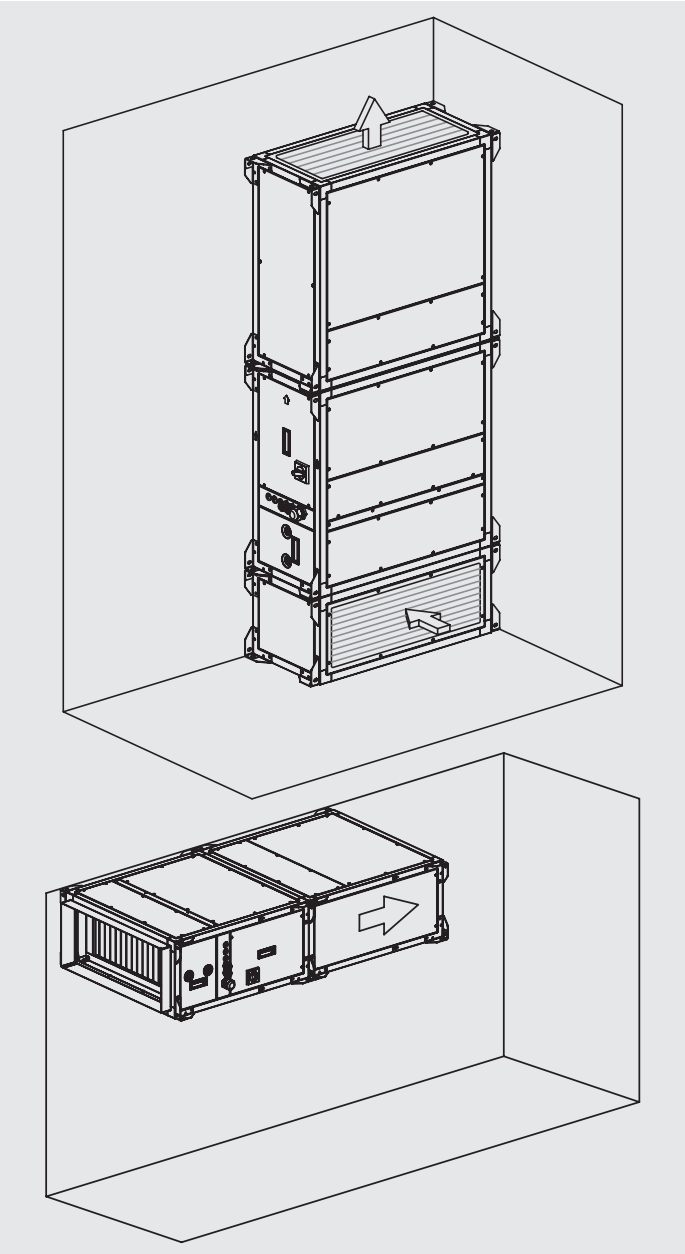
The connection side is defined for the horizontal version:
R: Electrical connection on the right side according to the direction of the air flow.
L: Electrical connection on the left side depending on the direction of the air flow.

When the UP unit is mounted in vertical, the connection side is on the opposite side:
R: Electrical connection on the left side.
L: Electrical connection on the right side.

Standard installation of version "L".



Standard installation of version "R".



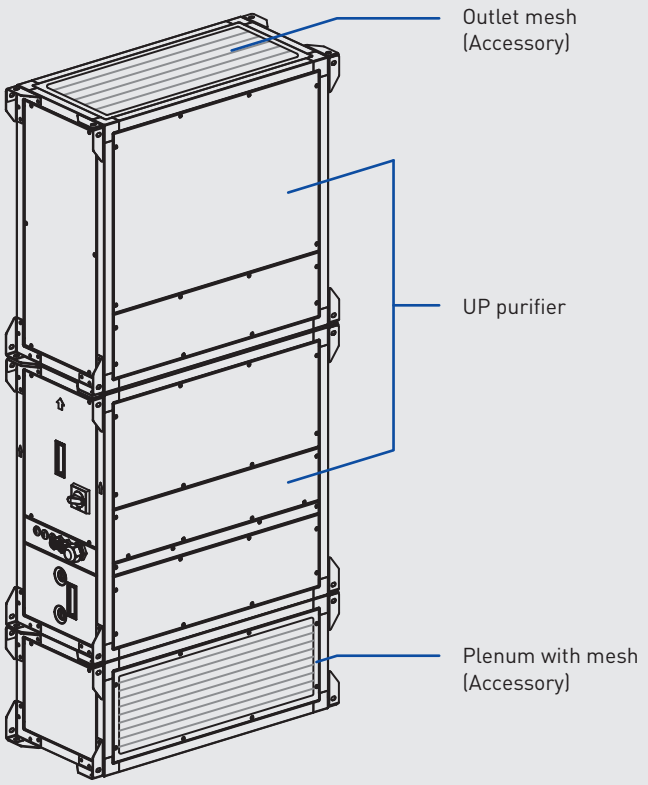
PRO-REG CONTROL PLUG & PLAY FUNCTIONS

MAIN COMPONENTS
Main external shut-off switch.
Air temperature sensor.
EC motor with integrated circuit board.
F7 filter contamination pressure switch.
H14 filter contamination pressure switch.
Configurable electronic controller.
Remote control with touch screen display.
FUNCTIONALITIES
Remote stop/start, via external contact activation.
Programmable weekly timer.
Flow regulation according to time zone.
CF flow regulation mode. Constant airflow regardless of how dirty a filter gets.
VA flow regulation mode. Variable airflow based on the 0-10V analogue signal issued by the supplied remote control or by a CO_2 sensor (accessory).
Flow rate regulation in CP mode (only for units integrated into ductwork systems). Variable airflow to ensure constant pressure in the ductwork, suitable for multi-zone systems. TDP-S accessory required.
BOOST, forced high speed upon activation of an external contact.
Capacity to regulate the water, direct expansion or electric batteries power (manufactured with batteries upon request).
Operation of the external air gates and return of a mixing module (accessory).
CONTROLS AND SAFEGUARDS
F7 filter contamination monitoring.
H14 filter contamination monitoring.
Temperature sensor malfunction monitoring.
Fan malfunction monitoring.
COMMUNICATION
Touch panel control included.
RTU Modbus.
BACNET TCP/IP.

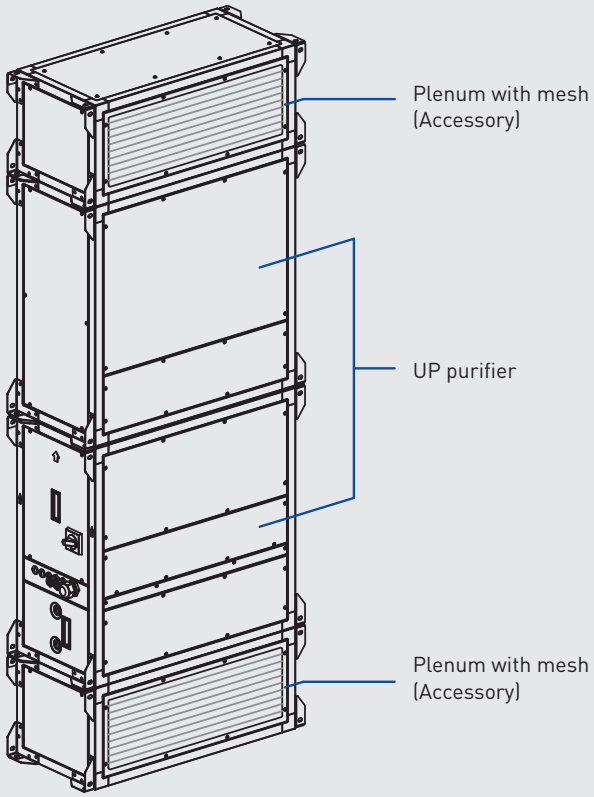
ASSEMBLY OPTIONS

UP units can work both horizontally (false ceiling installation) and vertically (wall installation).
Accessories must be installed to allow the entry and diffusion of air when the units are mounted vertically.

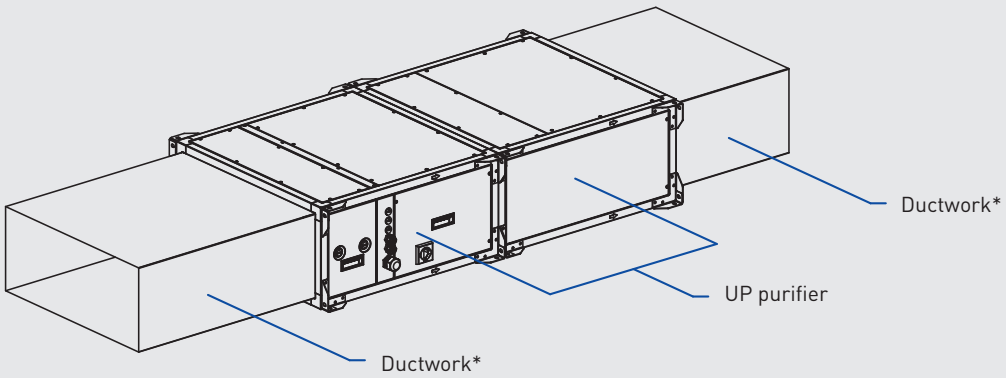
VERITICALLY CONFIGURED UP UNIT WITH FRONT SUCTION AND VERTICAL OUTLET



VERITICALLY CONFIGURED UP UNIT WITH FRONT SUCTION AND OUTLET



HORIZONTALLY INSTALLED UP UNIT



*See available accessories in the "Accessories" section.

ACOUSTIC DATA - UP 1200

RADIATED

Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
600	Clean	5,8	2046	59	61	57	49	51	49	45	34	56	35,5	31,0
600	Dirty	10	2884	66	69	64	56	59	56	53	42	64	43,5	39,0
900	Clean	6,6	2247	61	64	59	51	53	51	47	37	58	37,5	33,0
900	Dirty	10	2884	66	69	64	56	59	57	53	42	64	43,5	39,0
1200	Clean	7,8	2508	63	66	62	53	56	54	50	39	61	40,5	36,0
1200	Dirty	10	2884	66	69	65	56	59	57	53	42	64	43,5	39,0

SUCTION

Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
600	Clean	5,8	2046	62	69	64	64	61	66	61	50	70	49,5	45,0
600	Dirty	10	2884	69	76	72	71	68	73	68	57	77	56,5	52,0
900	Clean	6,6	2247	64	71	66	66	63	68	63	52	72	51,5	47,0
900	Dirty	10	2884	69	76	72	71	68	73	68	57	77	56,5	52,0
1200	Clean	7,8	2508	66	73	69	68	65	70	65	54	74	53,5	49,0
1200	Dirty	10	2884	69	76	72	71	68	73	68	57	77	56,5	52,0

OUTPUT

Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
600	Clean	5,8	2046	62	73	70	69	68	67	63	53	71	50,5	46,0
600	Dirty	10	2884	70	81	77	77	76	74	71	61	79	58,5	54,0
900	Clean	6,6	2247	65	75	72	72	70	69	65	55	74	53,5	49,0
900	Dirty	10	2884	70	81	77	77	76	74	71	61	79	58,5	54,0
1200	Clean	7,8	2508	67	78	74	74	73	72	68	58	76	55,5	51,0
1200	Dirty	10	2884	70	81	77	77	76	75	71	61	79	58,5	54,0

ACOUSTIC DATA - UP 2300

RADIATED

Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
1100	Clean	4,8	1770	58	61	57	48	51	49	45	34	56	35,5	31,0
1100	Dirty	10	2874	69	72	67	59	62	59	56	45	67	46,5	42,0
1700	Clean	5,6	2006	61	64	60	51	54	52	48	37	59	38,5	34,0
1700	Dirty	10	2884	69	72	67	59	62	60	56	45	67	46,5	42,0
2300	Clean	6,9	2315	64	67	63	54	57	55	51	40	62	41,5	37,0
2300	Dirty	10	2884	69	72	68	59	62	60	56	45	67	46,5	42,0

SUCTION

Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
1100	Clean	4,8	1770	62	69	64	64	61	65	61	50	70	49,5	45,0
1100	Dirty	10	2874	72	79	75	74	71	76	71	60	80	59,5	55,0
1700	Clean	5,6	2006	65	71	67	67	63	68	63	52	72	51,5	47,0
1700	Dirty	10	2884	72	79	75	74	71	76	71	60	80	59,5	55,0
2300	Clean	6,9	2315	68	75	70	70	66	71	66	56	75	54,5	50,0
2300	Dirty	10	2884	72	79	75	74	71	76	71	60	80	59,5	55,0

OUTPUT

Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
1100	Clean	4,8	1770	62	73	70	69	68	67	63	53	71	50,5	46,0
1100	Dirty	10	2874	73	84	80	80	78	77	73	64	82	61,5	57,0
1700	Clean	5,6	2006	65	76	73	72	71	70	66	56	74	53,5	49,0
1700	Dirty	10	2884	73	84	80	80	79	77	74	64	82	61,5	57,0
2300	Clean	6,9	2315	68	79	76	75	74	73	69	59	77	56,5	52,0
2300	Dirty	10	2884	73	84	80	80	79	78	74	64	82	61,5	57,0

ACOUSTIC DATA - UP 3600

RADIATED

Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
1800	Clean	5,3	1912	69	64	68	52	58	57	49	40	64	43,5	39,0
1800	Dirty	9	2812	82	73	79	65	68	66	61	52	74	53,5	49,0
2700	Clean	6	2126	65	55	65	52	60	60	54	45	65	44,5	40,0
2700	Dirty	10	2820	78	67	78	62	67	66	62	53	74	53,5	49,0
3600	Clean	7,3	2420	65	54	64	54	62	63	60	51	68	47,5	43,0
3600	Dirty	10	2824	72	60	73	58	66	66	63	55	72	51,5	47,0

SUCTION

Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
1800	Clean	5,3	1912	73	75	75	71	66	69	63	54	74	53,5	49,0
1800	Dirty	9	2812	84	83	89	83	77	77	74	67	85	64,5	60,0
2700	Clean	6	2126	67	65	75	71	68	72	69	59	76	55,5	51,0
2700	Dirty	10	2820	79	77	88	80	76	77	75	68	85	64,5	60,0
3600	Clean	7,3	2420	67	64	76	72	70	74	74	65	80	59,5	55,0
3600	Dirty	10	2824	72	69	84	77	74	77	77	69	83	62,5	58,0

OUTPUT

Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
1800	Clean	5,3	1912	74	76	81	73	75	75	67	59	78	57,5	53,0
1800	Dirty	9	2812	86	85	92	86	85	84	78	71	89	68,5	64,0
2700	Clean	6	2126	69	67	78	73	77	78	72	64	80	59,5	55,0
2700	Dirty	10	2820	82	79	91	82	84	84	80	72	88	67,5	63,0
3600	Clean	7,3	2420	69	66	77	75	79	81	78	70	83	62,5	58,0
3600	Dirty	10	2824	76	71	86	79	83	84	81	74	87	66,5	62,0

ACOUSTIC DATA - UP 5200

RADIATED

Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
2600	Clean	5,6	1447	72	68	59	52	59	54	46	40	62	41,5	37,0
2600	Dirty	10	2155	85	76	78	66	69	64	58	52	74	53,5	49,0
3900	Clean	6,4	1614	69	68	62	53	59	56	49	43	63	42,5	38,0
3900	Dirty	10	2138	80	70	80	63	67	64	58	52	74	53,5	49,0
5200	Clean	7,4	1834	71	61	64	55	61	58	52	45	64	43,5	39,0
5200	Dirty	10	2150	74	64	77	60	66	63	58	51	72	51,5	47,0

SUCTION

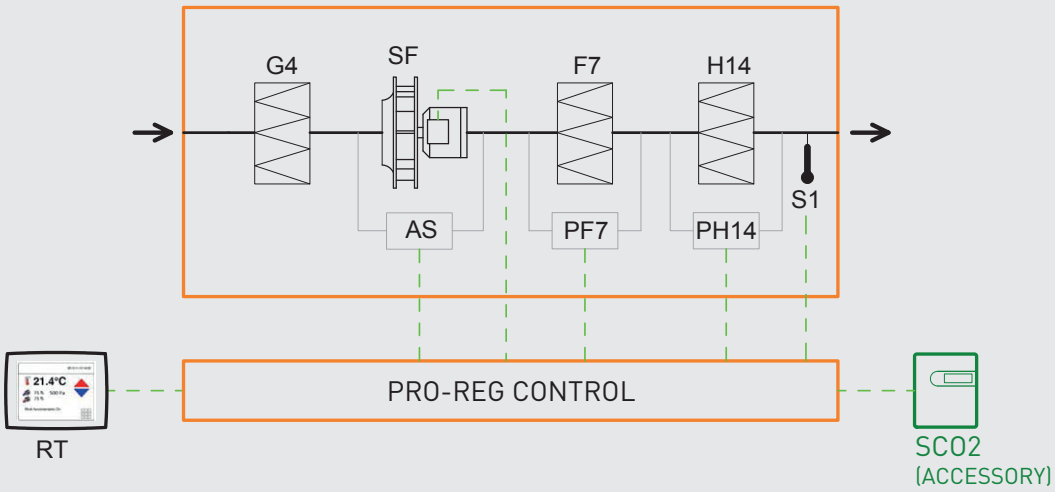
Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
2600	Clean	5,6	1447	75	78	72	70	67	67	60	54	73	52,5	48,0
2600	Dirty	10	2155	88	87	88	84	76	76	72	66	85	64,5	60,0
3900	Clean	6,4	1614	71	78	72	70	68	69	63	56	74	53,5	49,0
3900	Dirty	10	2138	82	81	88	81	74	76	72	65	84	63,5	59,0
5200	Clean	7,4	1834	72	71	76	73	69	70	65	59	76	55,5	51,0
5200	Dirty	10	2150	75	74	86	78	73	75	72	65	82	61,5	57,0

OUTPUT

Flow rate (m³/h)	Filter condition	Fan		Octave band sound output (Lw(A))								Sound power (LwA)	Sound pressure (LpA) 3 m	Sound pressure (LpA) 5 m
		(V)	(r.p.m.)	63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz			
2600	Clean	5,6	1447	76	80	72	73	76	72	64	59	77	56,5	52,0
2600	Dirty	10	2155	89	88	91	86	86	82	76	71	88	67,5	63,0
3900	Clean	6,4	1614	73	80	75	74	76	74	67	61	78	57,5	53,0
3900	Dirty	10	2138	84	82	93	84	84	82	76	70	87	66,5	62,0
5200	Clean	7,4	1834	75	73	77	76	78	75	70	64	80	59,5	55,0
5200	Dirty	10	2150	78	76	90	81	83	81	76	70	86	65,5	61,0

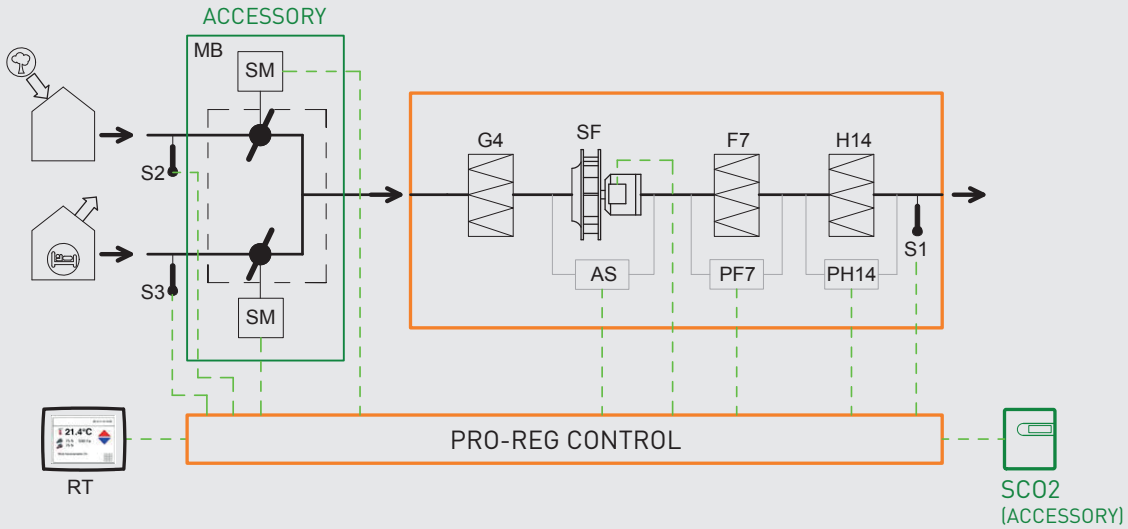
CONTROL DIAGRAM

Units with 100% air recirculation



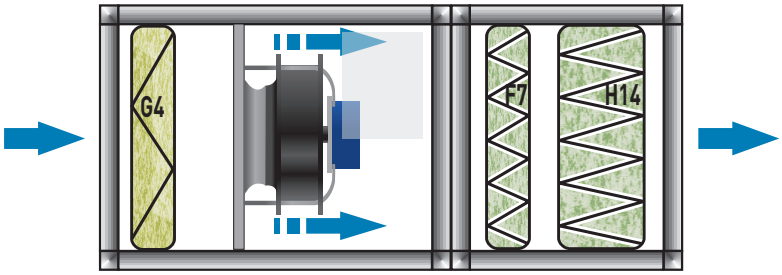
SF	Fan	**PF7**	F7 middle filter pressure switch
S1	Supply temperature sensor	**PH14**	H14 absolute filter pressure switch
G4	G4 pre-filter	**AS**	Flow transducer
F7	F7 middle filter	**RT**	Remote control (wired)
H14	HEPA H14 absolute filter	**SCO2**	CO_2 sensor (accessory)

Units with recirculation and external air supply



SF	Fan	**PF7**	F7 middle filter pressure switch
S1	Supply temperature sensor	**PH14**	H14 absolute filter pressure switch
S2	Outdoor air temperature sensor	**AS**	Flow transducer
S3	Return temperature sensor	**RT**	Remote control (wired)
G4	G4 pre-filter	**SCO2**	CO_2 sensor (accessory)
F7	F7 middle filter	**MB**	Mixing module (accessory)
H14	HEPA H14 absolute filter	**SM**	Servomotor gate (accessory)

REFERENCE



U	P	-	2300	H14	PRO-REG	R
1				2	3	4

1. SIZE

UP 1200
UP 2300
UP 3600
UP 5200

2. FILTRATION STAGE

H14: 3 stages of filtration included:
G4 pre-filtration
F7 ePM1 middle filter (50%)
H14 absolute filter (e≥99.995% s/EN-1822-1:2019)

3. CONTROL TYPE

PRO-REG: Build-in plug&play control

4. CONNECTION SIDE

R: Right side connections
L: Left side connections

The connection side is defined for the horizontal version:
R: Electrical connection on the right side according to the direction of the air flow.
L: Electrical connection on the left side depending on the direction of the air flow.

When the UP unit is mounted in vertical, the connection side is on the opposite side:
R: Electrical connection on the left side.
L: Electrical connection on the right side.

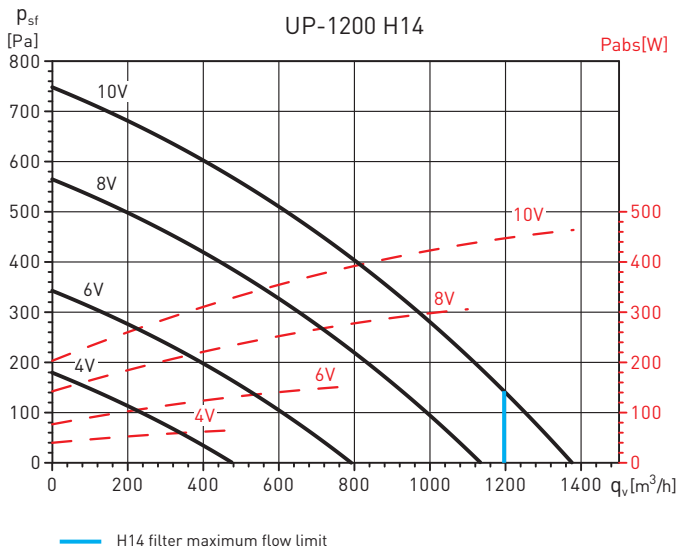
For detailed information see section CONNEXIONS.

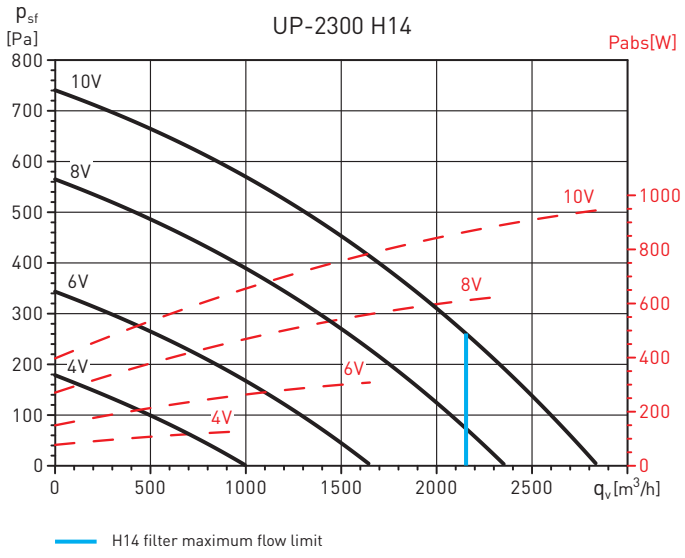
AVAILABLE MODELS

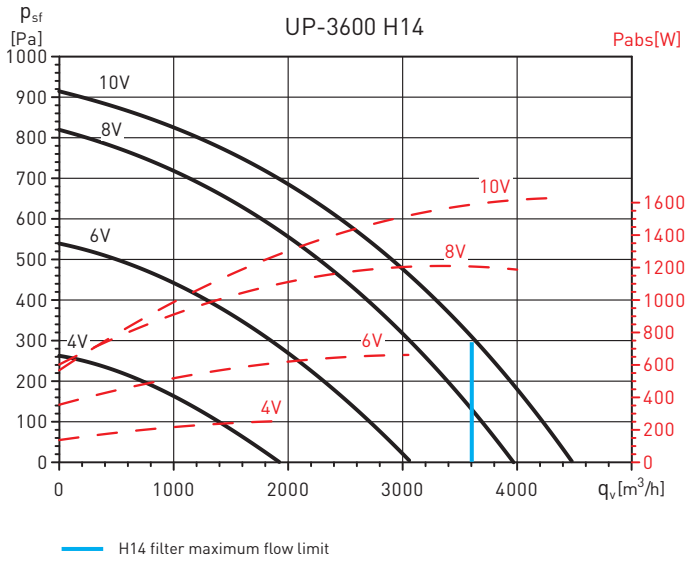
UP-1200 H14 PRO-REG L	UP-3600 H14 PRO-REG L
UP-1200 H14 PRO-REG R	UP-3600 H14 PRO-REG R
UP-2300 H14 PRO-REG L	UP-5200 H14 PRO-REG L
UP-2300 H14 PRO-REG R	UP-5200 H14 PRO-REG R

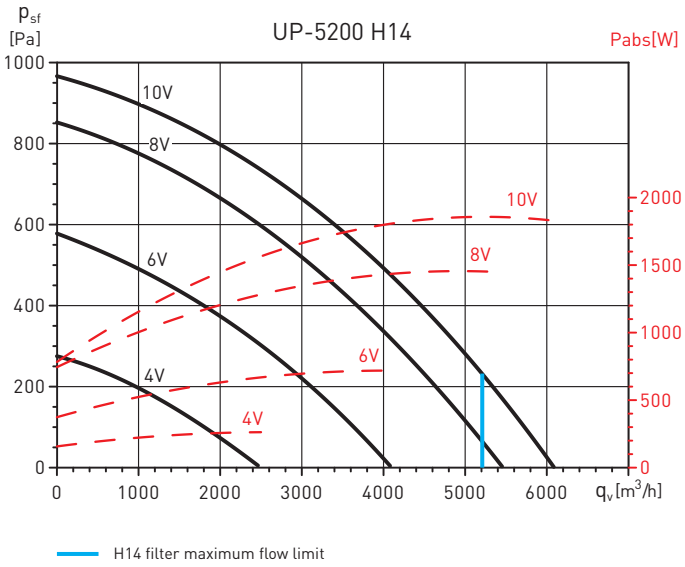
CHARACTERISTIC CURVES

- q_v: Flow rate (m³/h).
- p_{sf}: Static pressure in Pa and mmcda.
- Pabs = Power absorbed at maximum speed (W).
- Normal dry air at 20°C and 760 mm.c.d.Hg.
- Tests performed according to ISO 5801 and AMCA 210-99.
- Curves for clean filters.



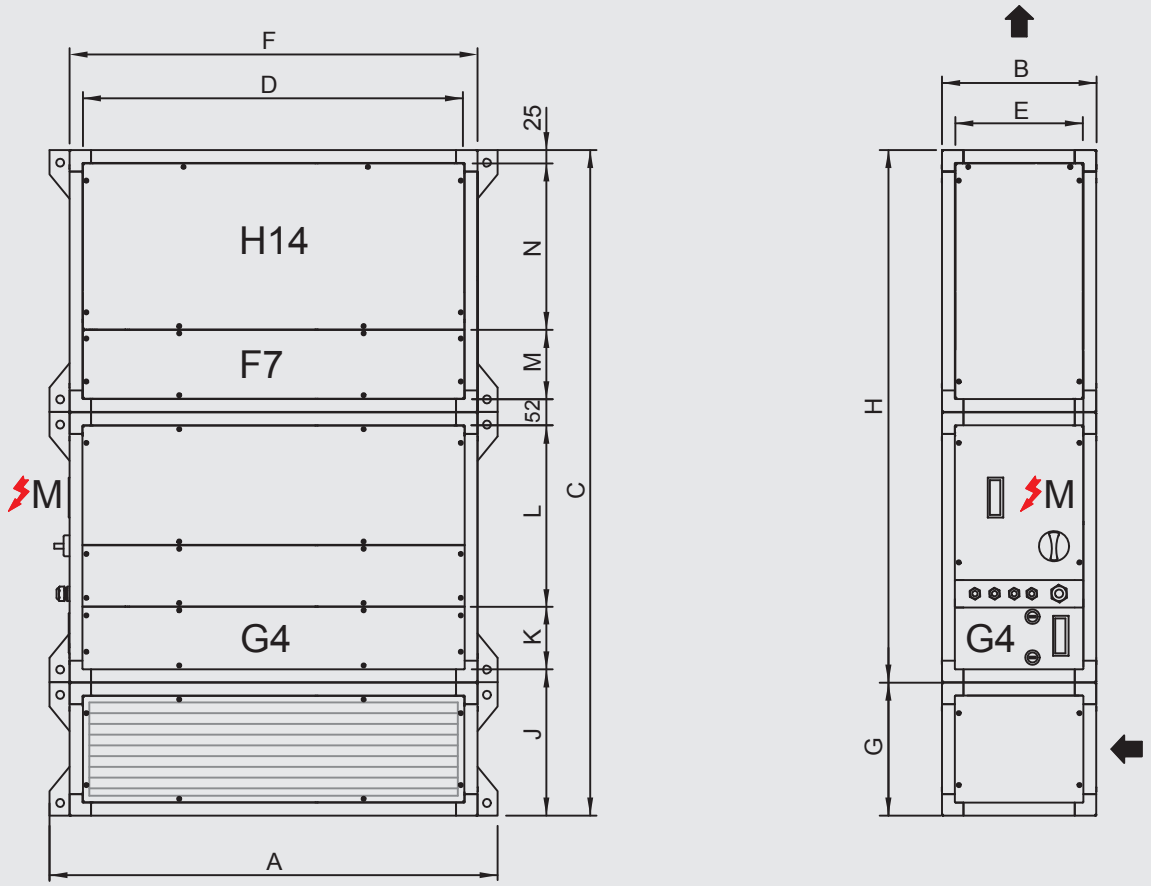






DIMENSIONS (mm)

Vertically mounted unit with suction plenum (accessory)
R version: Right side electrical connection

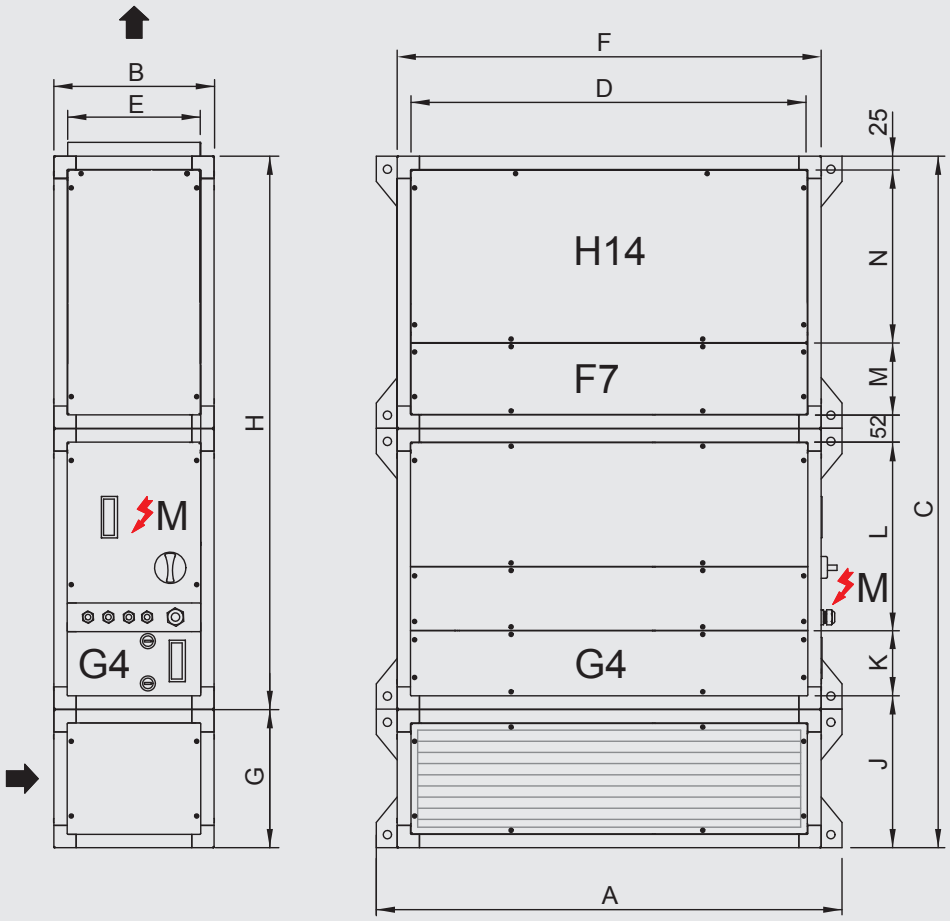


AIRFLOW DIRECTION
M MOTOR TERMINAL BOX
H14 H14 FILTER REGISTRY
F7 F7 FILTER REGISTRY
G4 G4 FILTER REGISTRY

Model	A	B	C	D	E	F	G	H	J	K	L	M	N
UP 1200	822	360	1874	689	299	750	360	1514	398	205	485	182	505
UP 2300	1172	410	1924	1039	349	1100	410	1514	448	205	485	182	505
UP 3600	1572	410	1924	1439	349	1500	410	1514	448	205	485	182	505
UP 5200	1972	500	2014	1839	439	1900	500	1514	538	205	485	182	505

DIMENSIONS (mm)

Vertically mounted unit with suction plenum (accessory)
L version: Left side electrical connection

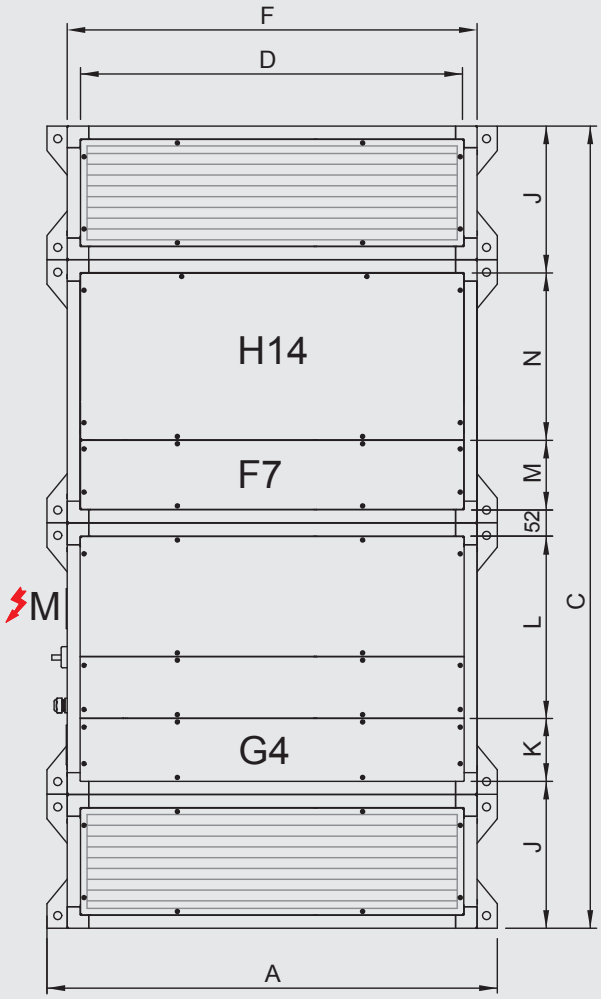


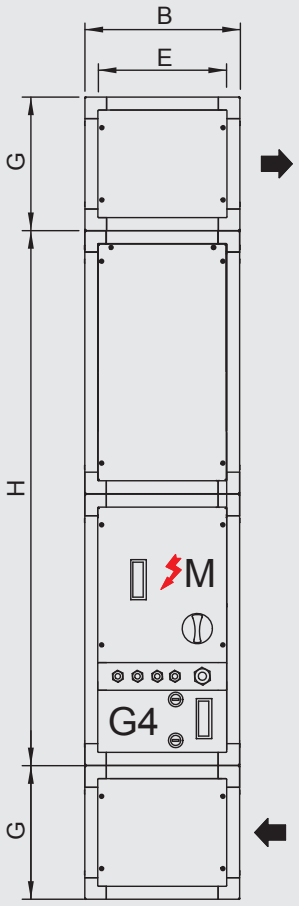
AIRFLOW DIRECTION
M MOTOR TERMINAL BOX
H14 H14 FILTER REGISTRY
F7 F7 FILTER REGISTRY
G4 G4 FILTER REGISTRY

Model	A	B	C	D	E	F	G	H	J	K	L	M	N
UP 1200	822	360	1874	689	299	750	360	1514	398	205	485	182	505
UP 2300	1172	410	1924	1039	349	1100	410	1514	448	205	485	182	505
UP 3600	1572	410	1924	1439	349	1500	410	1514	448	205	485	182	505
UP 5200	1972	500	2014	1839	439	1900	500	1514	538	205	485	182	505

DIMENSIONS (mm)

Vertically mounted unit with suction and output plenum (accessory)
R version: Right side electrical connection



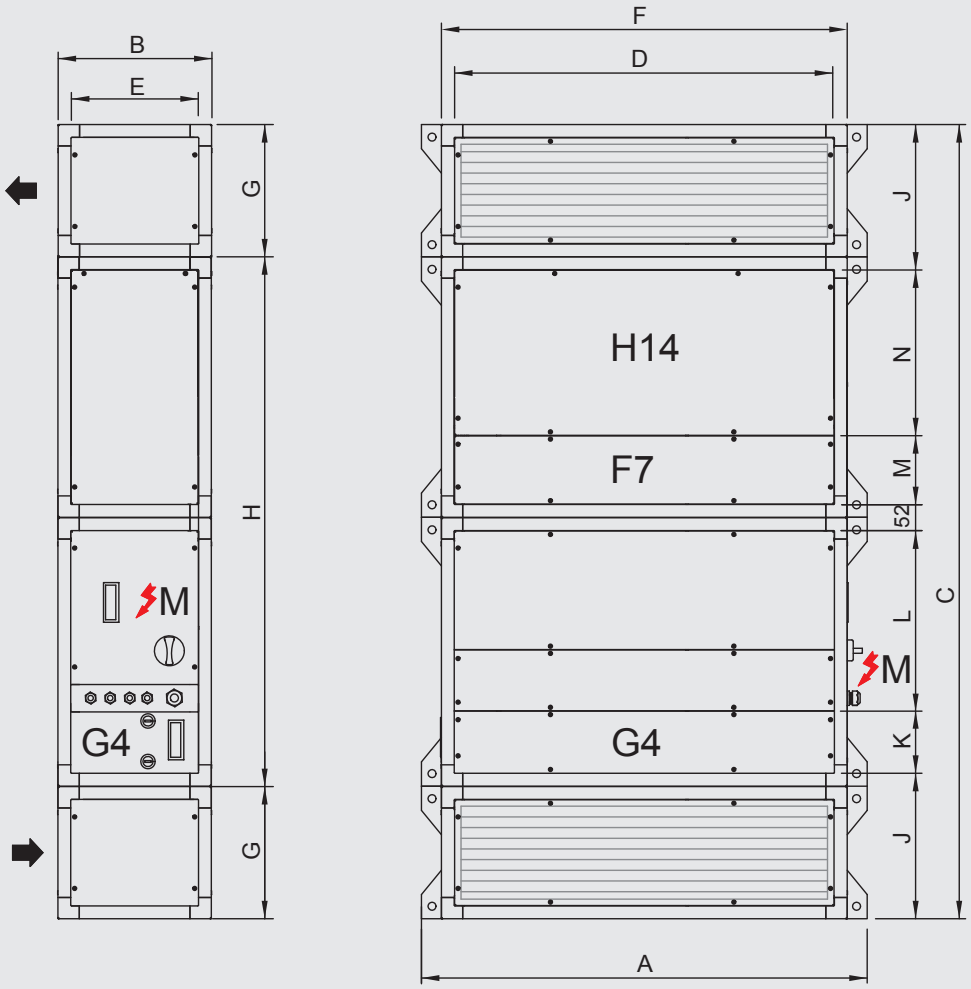


AIRFLOW DIRECTION
M MOTOR TERMINAL BOX
H14 H14 FILTER REGISTRY
F7 F7 FILTER REGISTRY
G4 G4 FILTER REGISTRY

Model	A	B	C	D	E	F	G	H	J	K	L	M	N
UP 1200	822	360	2241	689	299	750	360	1521	398	205	485	182	505
UP 2300	1172	410	2341	1039	349	1100	410	1521	448	205	485	182	505
UP 3600	1572	410	2341	1439	349	1500	410	1521	448	205	485	182	505
UP 5200	1972	500	2341	1839	439	1900	410	1521	538	205	485	182	505

DIMENSIONS (mm)

Vertically mounted unit with suction and outlet plenum (accessory)
L version: Left side electrical connection



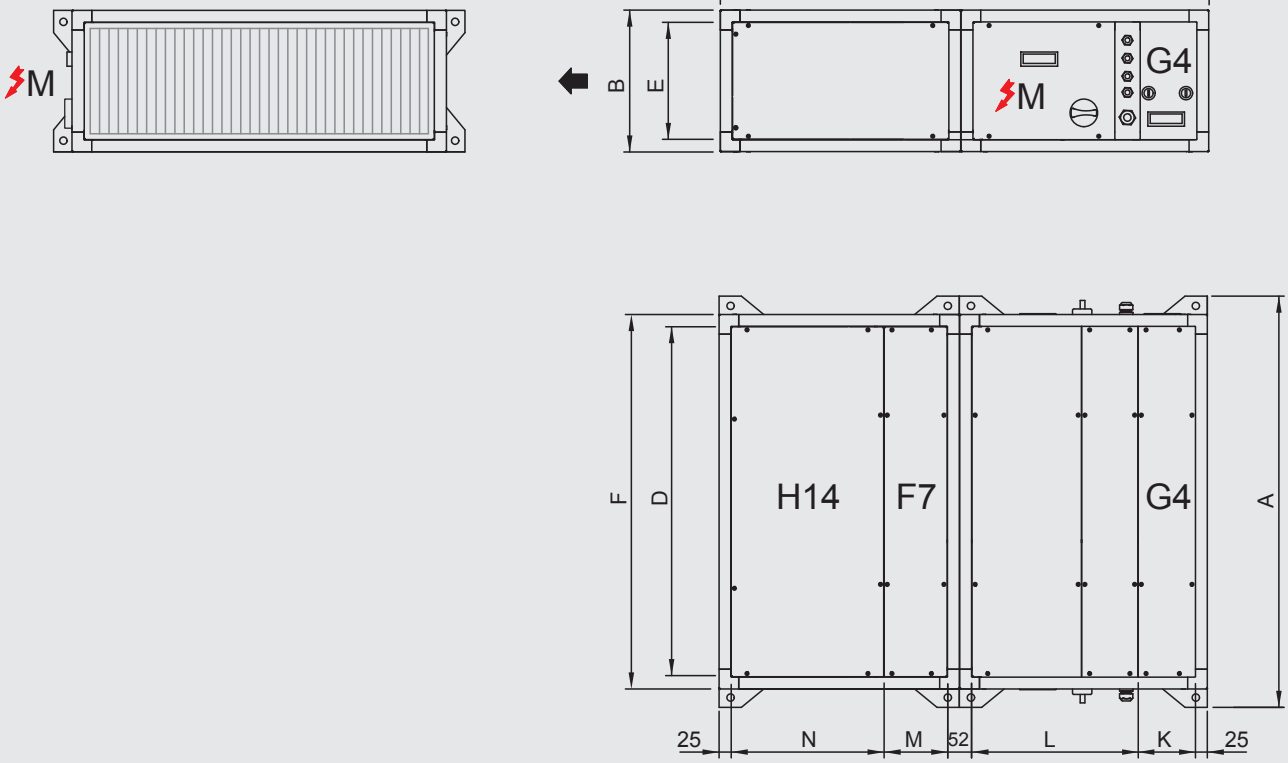
AIRFLOW DIRECTION
M MOTOR TERMINAL BOX
H14 H14 FILTER REGISTRY
F7 F7 FILTER REGISTRY
G4 G4 FILTER REGISTRY

Model	A	B	C	D	E	F	G	H	J	K	L	M	N
UP 1200	822	360	2241	689	299	750	360	1521	398	205	485	182	505
UP 2300	1172	410	2341	1039	349	1100	410	1521	448	205	485	182	505
UP 3600	1572	410	2341	1439	349	1500	410	1521	448	205	485	182	505
UP 5200	1972	500	2341	1839	439	1900	410	1521	538	205	485	182	505

DIMENSIONS (mm)

Horizontally mounted unit
L version: Left side electrical connection

Unit as seen from suction side

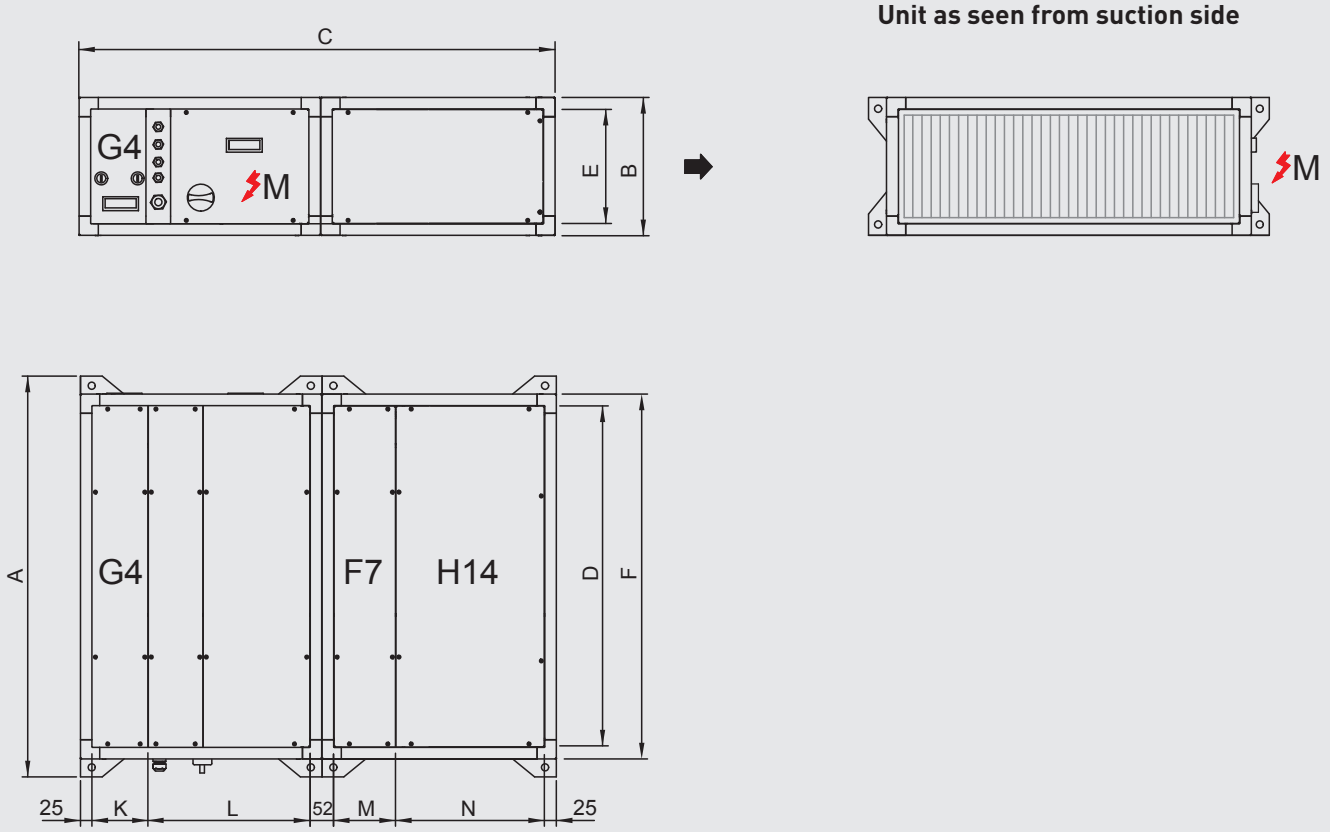


AIRFLOW DIRECTION	H14 H14 FILTER REGISTRY
M MOTOR TERMINAL BOX	F7 F7 FILTER REGISTRY
	G4 G4 FILTER REGISTRY

Model	A	B	C	D	E	F	K	L	M	N
UP 1200	822	360	1514	689	299	750	205	485	182	505
UP 2300	1172	410	1514	1039	349	1100	205	485	182	505
UP 3600	1572	410	1514	1439	349	1500	205	485	182	505
UP 5200	1972	500	1514	1839	439	1900	205	485	182	505

DIMENSIONS (mm)

Horizontally mounted unit
R version: Right side electrical connection



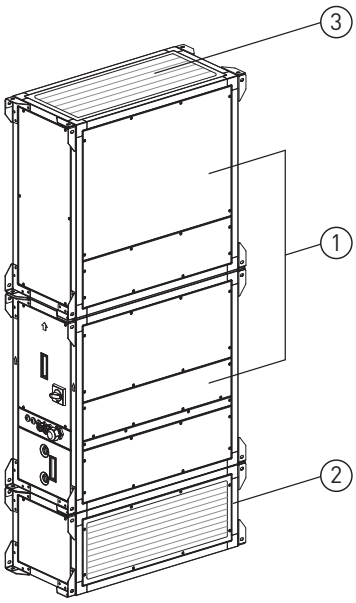
AIRFLOW DIRECTION
M MOTOR TERMINAL BOX
H14 H14 FILTER REGISTRY
F7 F7 FILTER REGISTRY
G4 G4 FILTER REGISTRY

Model	A	B	C	D	E	F	K	L	M	N
UP 1200	822	360	1514	689	299	750	205	485	182	505
UP 2300	1172	410	1514	1039	349	1100	205	485	182	505
UP 3600	1572	410	1514	1439	349	1500	205	485	182	505
UP 5200	1972	500	1514	1839	439	1900	205	485	182	505

ASSEMBLY ACCESSORIES

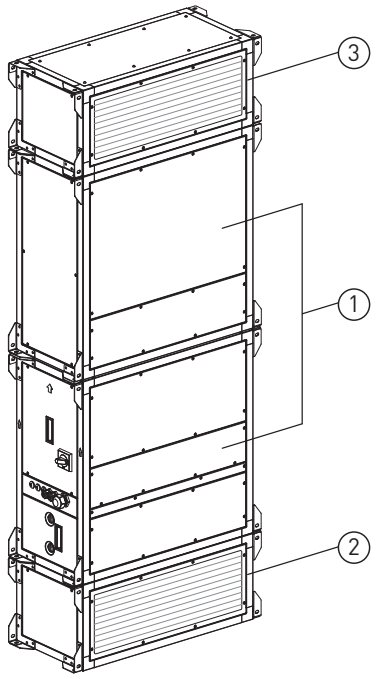
Vertically mounted

Front suction - Upper outlet



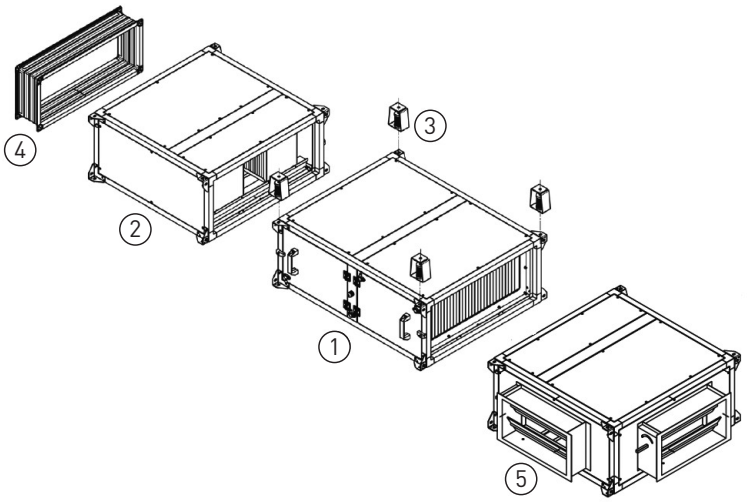
1	2	3
Purifier module	**Plenum with mesh**	**Air outlet mesh**
UP-1200	PB-VR-2	UTBS-2 MESH
UP-2300	PB-VR-3	UTBS-3 MESH
UP-3600	PB-VR-5	UTBS-5 MESH
UP-5200	PB-VR-8 UP	UTBS-8 MESH

Front suction - Front outlet



1	2
Purifier module	**Plenum with mesh**
UP-1200	PB-VR-2
UP-2300	PB-VR-3
UP-3600	PB-VR-5
UP-5200	PB-VR-8 UP

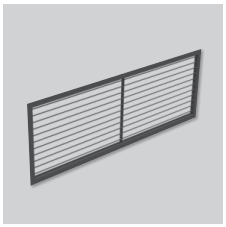
Horizontally mounted



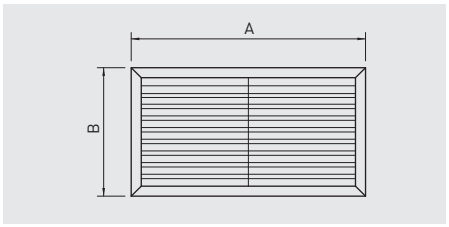
1	2	3	4	5			
Purifier model	**Silencer**	**Anti-vibration kit**	**Flexible connection**	**Mixing section (2 lines)**			
				Front and supper/lower gate	**Front and side gate**	**Side gate**	**Side and upper/lower gate**
UP-1200	SIL-2 750	TM-50 SPRING DAMPER	JF-UTBS 650x250	2MA-2	2MB-2	2MD-2	2ME-2
UP-2300	SIL-3 750	TM-50 SPRING DAMPER	JF-UTBS 1000x300	2MA-3	2MB-3	2MD-3	2ME-3
UP-3600	SIL-5 750	TM-75 SPRING DAMPER	JF-UTBS 1400x300	2MA-5	2MB-5	2MD-5	2ME-5
UP-5200	SIL-8 750	TM-100 SPRING DAMPER	JF-UTBS 1800x400	2MA-8	2MB-8	2MD-8	2ME-8

ASSEMBLY ACCESSORIES

Mounting accessories are supplied in unpainted galvanised sheet metal finish.

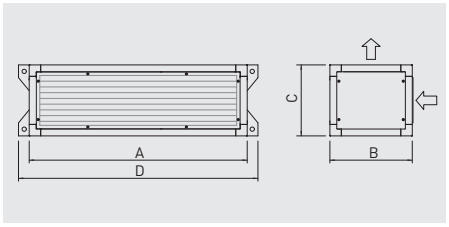


UTBS MESH
Isolation gate, to be installed on supply and/or extraction.



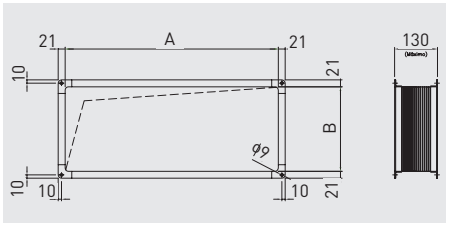
Model	A (mm)	B (mm)
UTBS-2 MESH	722	332
UTBS-3 MESH	1072	382
UTBS-5 MESH	1472	382
UTBS-8 MESH	1872	472

PB VR
Plenum with mesh to be installed on suction and/or outlet.



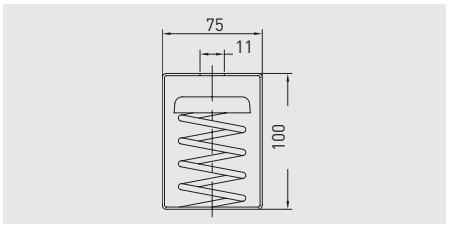
Model	A (mm)	B (mm)	C (mm)	D (mm)
PB-VR-2	750	360	360	822
PB-VR-3	1100	410	410	1172
PB-VR-5	1500	410	410	1572
PB-VR-8 UP	1900	500	410	1972

Flexible joints (JF)



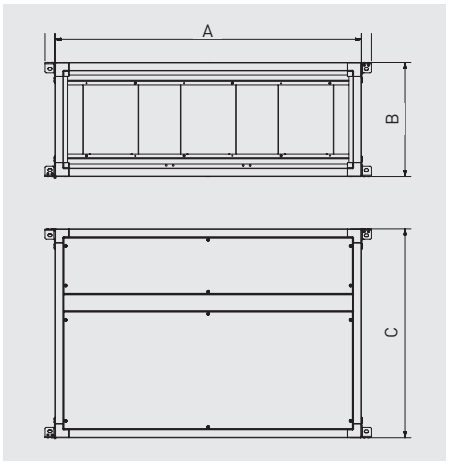
Model	A (mm)	B (mm)	Weight (kg)
JF-UTBS 650x250	646	256	3
JF-UTBS 1000x300	996	306	4
JF-UTBS 1400x300	1396	306	5
JF-UTBS 1800x400	1796	396	6

Anti-vibration supports



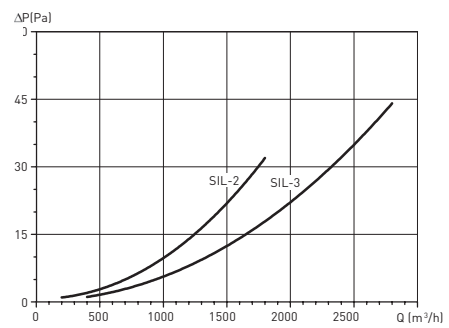
Model	Quantity required per UTBS	Nominal load (kg)	Flexure (mm)
TM-50 SPRING DAMPER	4	50	21-27
TM-75 SPRING DAMPER	4	75	21-27
TM-100 SPRING DAMPER	4	100	21-27

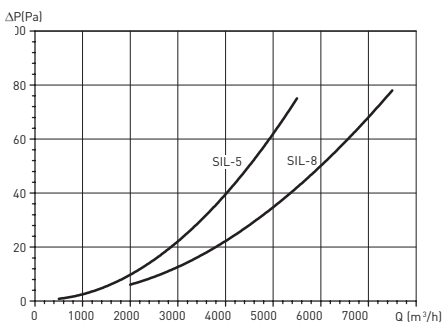
SIL-UTBS
Silencer

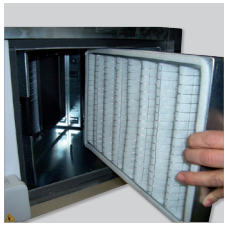


Model	A (mm)	B (mm)	C (mm)	Weight (kg)
SIL-2 750	750	360	750	39
SIL-3 750	1100	410	750	53
SIL-5 750	1500	410	750	65
SIL-8 750	1900	500	750	87

Silencer pressure drop







Spare filters and accessories

Model	G4 pre-filter	F7 filter	HEPA H14 filter
UP-1200	AFR-UTBS-2-G4	AFR-UTBS-2-F7	AFR H14 UP 1200
UP-2300	AFR-UTBS-3-G4	AFR-UTBS-3-F7	AFR H14 UP 2300
UP-3600	AFR-UTBS-5-G4	AFR-UTBS-5-F7	AFR H14 UP 3600
UP-5200	AFR-UTBS-8-G4	AFR-UTBS-8-F7	AFR H14 UP 5200

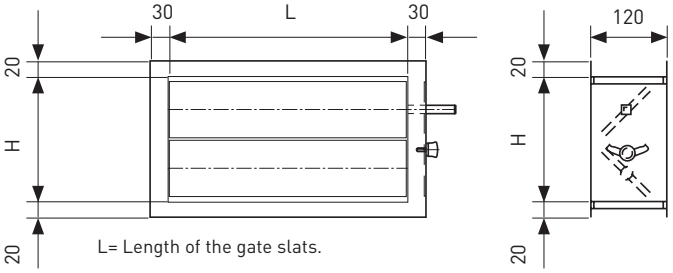
ASSEMBLY ACCESSORIES

Mixing box with 2 lines (2M)

Mixing modules with two gates.
The gates can be operated manually or by servo motor (accessory).

In the case of modules with a side gate, the mounting side of the gate can be reversed by swapping the side panels.

Gates



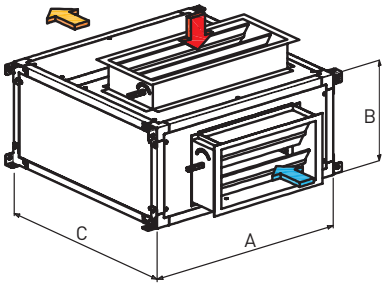
L= Length of the gate slats.

H = Useful height of the gate.

Model	Mixing section (2 lines)				Actuator 24V
	Front and supper/ lower gate	Front and side gate	Side gates	Side and upper/ lower gate	
UP-1200	2MA-2	2MB-2	2MD-2	2ME-2	SM-24/PRO (2 units)
UP-2300	2MA-3	2MB-3	2MD-3	2ME-3	
UP-3600	2MA-5	2MB-5	2MD-5	2ME-5	
UP-5200	2MA-8	2MB-8	2MD-8	2ME-8	

2MA

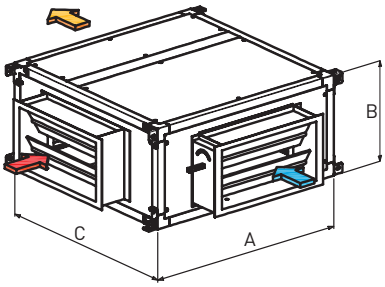
Mixing modules with front and upper/lower inlets.



Model	A (mm)	B (mm)	C (mm)	Front gate	Upper/ lower gate	Weight (kg)
				LxH (mm)	LxH (mm)	
UP-1200	750	360	360	400x210	400x210	22
UP-2300	1100	410	410	800x210	800x210	31
UP-3600	1500	410	410	1200x210	1200x210	44
UP-5200	1900	500	500	1600x310	1600x310	68

2MB

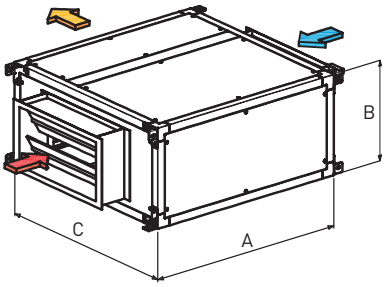
Mixing modules with front and side inlets.



Model	A (mm)	B (mm)	C (mm)	Side gate	Front gate	Weight (kg)
				LxH (mm)	LxH (mm)	
UP-1200	750	360	750	400x210	400x210	39
UP-2300	1100	410	750	450x310	800x210	52
UP-3600	1500	410	1205	750x310	1200x210	106
UP-5200	1900	500	1205	900x410	1600x310	137

2MD

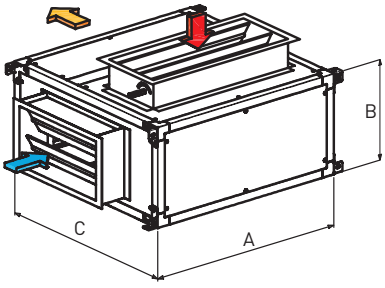
Mixing modules with side inlets.



Model	A (mm)	B (mm)	C (mm)	Side gate	Weight (kg)
				LxH (mm)	
UP-1200	750	360	750	400x210	39
UP-2300	1100	410	750	450x310	52
UP-3600	1500	410	1205	750x310	106
UP-5200	1900	500	1205	900x410	137

2ME

Mixing modules with side and upper/lower inlets.



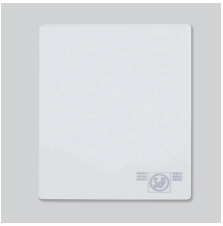
Model	A (mm)	B (mm)	C (mm)	Side gate	Upper/ lower gate	Weight (kg)
				LxH (mm)	LxH (mm)	
UP-1200	750	360	750	400x210	400x210	39
UP-2300	1100	410	750	450x310	800x210	52
UP-3600	1500	410	1205	750x310	1200x210	106
UP-5200	1900	500	1205	900x410	1600x310	137

ELECTRICAL ACCESSORIES

External sensor based on the selected fan control mode

Control type	Accessory
VAV	SCO2-A 0/10V / SCO2-G 0/10V
CAV	Supplied with equipment
COP	TDP-S

SCO2-G 0/10V
CO_2 sensor for conduit.
Enables control of ventilation depending on the CO_2 concentration of the air circulating in the extraction conduit.
Outlet: 0-10V.
Power: 24 VDC.



SCO2-A 0/10V
CO_2 and room temperature sensor (no display).
Outlet: 0-10V.
Power: 24 VDC.