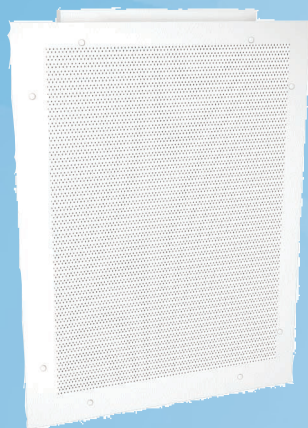


AFE

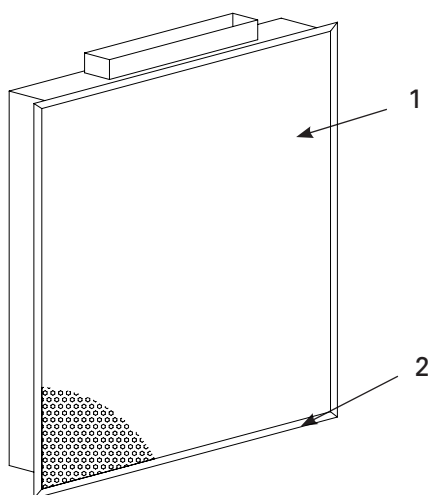
Low Velocity Supply Unit



- Horizontal low velocity air supply at floor level.
- Installation by integration into wall structure.
- Detachable front panel and metallic internal structure enable cleaning of the unit and ductwork.
- Rectangular duct connection at top of the unit.

MATERIAL AND FINISHING

PART	MATERIAL	NOTE
Front panel	Perforated galvanized steel	
Casing	Galvanized steel	
Finishing	Polyester - epoxy - painted White RAL 9010 / 30% gloss	Special colors available



	CODE	DESCRIPTION	NOTE
Duct cover (1)	DC	Standard length 23.62"~.47.24"	
Casing (2)	C	Frame around unit	

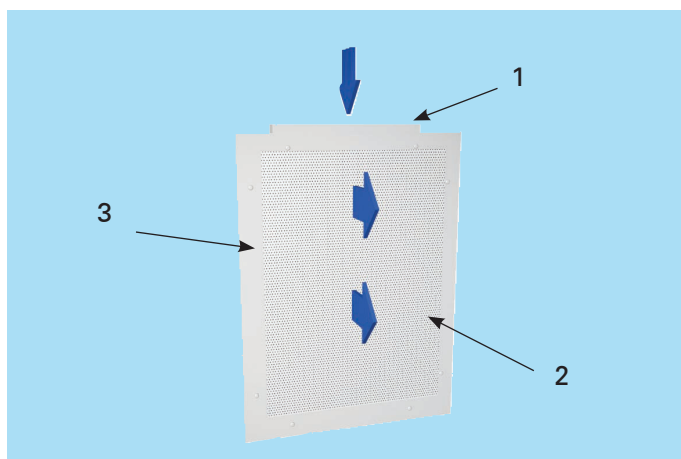
Product Options & Accessories

Product options

- Duct cover (DC) made of perforated steel
- (same as AFD)
- Construction made of Stainless Steel (18 gauge)
- Thicker front panel
- Smaller than standard duct connection of the unit

SOUND LEVEL DATA, SUPPLY

	q_v (cfm)	Δp_{st} (in.WC)	Δp_{tot} (in.WC)	F (Hz)								L_{pA} [dB(A)]	NR	NC
				63	125	250	500	1000	2000	4000	8000			
AFE-400x30	104	0.04	0.08	43	26	26	29	23	10	16	18	25	21	19
	121	0.05	0.10	44	28	30	34	30	19	17	19	30	26	24
	138	0.07	0.14	45	30	33	38	36	26	18	20	35	32	30
	155	0.09	0.18	45	31	36	42	42	33	20	20	40	38	37
AFE-400x40	119	0.04	0.07	47	29	23	28	24	5	12	18	25	21	18
	140	0.05	0.10	48	30	28	33	30	17	13	19	30	26	25
	161	0.08	0.13	49	31	33	38	36	27	14	20	35	32	30
	186	0.10	0.18	49	31	36	41	41	34	20	20	40	37	36
AFE-400x60	155	0.02	0.04	47	26	28	29	19	6	13	18	25	21	19
	182	0.03	0.06	48	27	32	35	27	13	15	19	30	27	25
	212	0.04	0.08	49	28	36	40	34	19	17	20	35	32	31
	244	0.06	0.11	49	29	38	44	40	28	18	20	40	37	35



Servicing

CODE	DESCRIPTION
1	Duct connection
2	Front panel
3	Casing

Function

Air is supplied into the space through the front panel of the unit, normally at a slightly lower temperature than the room air temperature.

The supply air flows down to floor level and gradually pervades at low velocity level the occupied space and finally rises up due to the convection of warm surfaces.

The low velocity flow pattern is directed forward.
Openable and cleanable unit with non-clogging design.

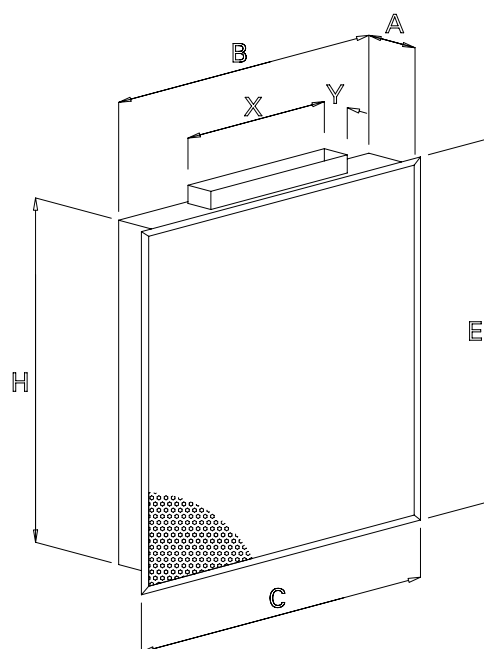
Note: The flow pattern data is for a unit installed flush with a wall at floor level.

Open the front panel (2) by unscrewing the screws located under the cover plugs (not shown in picture).
Pull off the front panel.

Wipe the parts with a damp cloth, instead of immersing in water. Reassemble after cleaning in reverse order.

DIMENSIONS

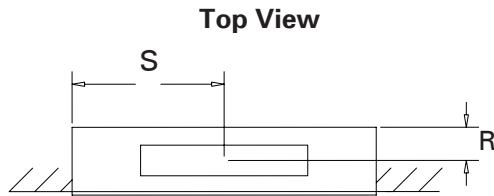
Model	X&Y	H	B	A	C	E
400X30	15.75" X 1.18"	21.16"	21.26"	2.56"	23.62"	23.62"
400X40	15.75" X 1.57"	29.13"	21.26"	2.95"	23.62"	31.50"
400X60	15.75" X 2.36"	37.00"	21.26"	3.75"	23.62"	39.37"
400X80	15.75" X 3.15"	44.88"	21.26"	4.53"	23.62"	47.24"



Installation

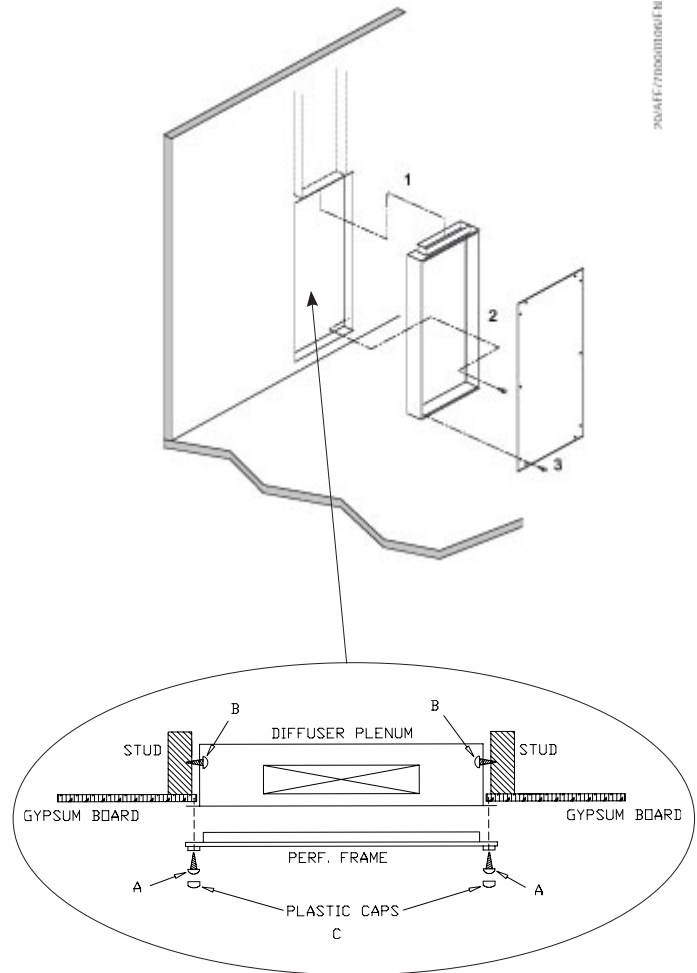
Perform the installation in the numerical order.

1. Locate the unit within the wall space and connect the ductwork.
2. Fix the diffuser to the wall from inside the casing.
3. Screw the front plate to the casing and hide the screws with the plastic caps included with delivery of the unit.



DIAMENSIONS

AFE	R	S
400 X 30	1.06"	10.63"
400 X 40	1.26"	10.63"
400 X 60	1.65"	10.63"
400 X 80	2.05"	10.63"



20/AFE/PC/xxxx/0106/EN

20/AFE/PC/xxxx/0106/EN

Suggested specifications

The low velocity unit shall be made of power coat epoxy-painted galvanized steel, with white (RAL 9010) color.

The unit shall have a sturdy maintenance-free, non-clogging structure.

The unit shall comprise of a detachable, perforated front panel and a hygienic internal fixed flow equalization element and casing.

The unit shall have a rectangular duct connection at the top, or bottom depending on the location of the unit.

Product Code example

AFE -D

D = Size of duct connection

400 X 30

400 X 40

400 X 60

400 X 80

AFE	400 X 30
1	2

1 Product type

2 Nominal size (Collar size)