



VOLCANO VR-D

Destratifier



Parameter	---	VOLCANO VR-D
Maximum air output	m³/h	6500
Maximum horizontal air range	m	28
Maximum vertical air range	m	15
Device weight (without water)	kg	22
Power supply voltage	V/Hz	1 ~ 230/50
Motor power EC	kW	0,37
Rated current EC	A	1,7
Rated motor rotational speed EC	rpm	1400
Protection rating EC	IP	44

Selection method in terms of room size:

Assembly height should be no less than 3/4 of the height of the room, measuring from the floor.

An example calculation of the minimal VOLCANO VR-D destratifier assembly height:

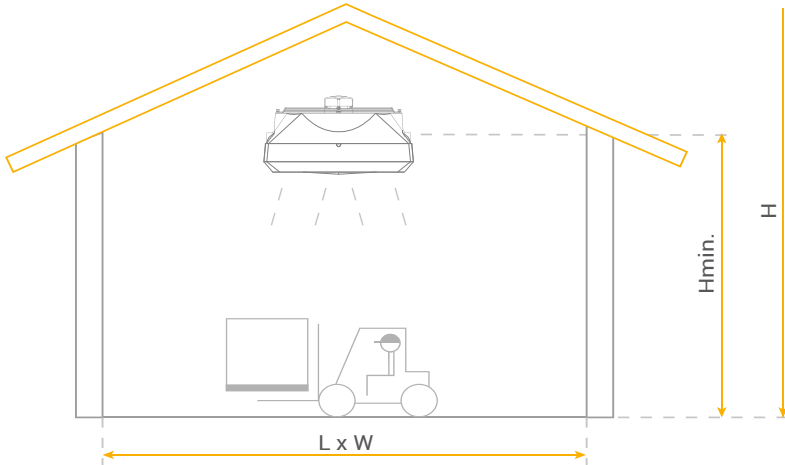
$$H_{min} = \frac{3}{4} \times H$$

In a room of H=12m, the minimal VOLCANO VR-D destratifier assembly height will be:

$$H_{min} = \frac{3}{4} \times 12 \text{ m} = 9\text{m}$$

Description:

H - height
L - length
W - width



Automation

Parameters					
Model	-	Potentiometer VR EC (0-10 V)	Potentiometer with thermostat VR EC (0-10 V)	Controller HMI VR (0-10V)*	Controller Volcano EC*
VTS product number	-	1-4-0101-0453	1-4-0101-0473	1-4-0101-0169	1-4-0101-0457
Motor support	-	EC			
Power supply voltage	V/ph/Hz	~230/1/50	~230/1/50	~230/1/50	~230/1/50
Permissible load	A	0,02 A for 0-10V	0,02 A for 0-10V	1A for 230VAC 0,02A for 0-10V	1A for 230VAC 0,02A for 0-10V
Setting range	°C	-	5...40	5...40	5...40
Work mode	---	Manual		Manual / automatic	
Hourly-weekly calendar	---	No	No	Yes	Yes
Clock	---	No	No	Yes	Yes
Temperature measurement	---	-	Integrated in the device	Integrated in the device	
The possibility of connecting a separate temperature sensor	pcs.	No	No	1 or 4	1 or 4
Output signal	---	0-10V DC			
Protection rating	IP	30			

* Please check the availability with Your local distributor

Cooperation of controllers and regulators with water heaters					
Model		Potentiometer VR EC (0-10 V)	Potentiometer with thermostat VR EC (0-10 V)	Controller HMI VR (0-10V)	Controller Volcano EC
VTS article No.		1-4-0101-0453	1-4-0101-0473	1-4-0101-0169	1-4-0101-0457
Cooperation with motors		EC			
VR Mini	pcs.	8	8	8	8
VR1	pcs.	8	8	8	8
VR2	pcs.	8	8	8	8
VR3	pcs.	8	8	8	8
VR-D	pcs.	8	8	8	8

Parameters		
Valve with actuator (VA-VEH202TA)		
VTS product number		1-2-1204-2019
Power supply voltage	V/ph/Hz	~230/1/50
Power consumption	W	1
Connection	"	3/4
Kvs	m³/h	4,5
Opening/ closing time	min.	3/3
Protection rating	IP	54

Parameters		
Room NTC sensor (for the VOLCANO EC controller)		
VTS product number		1-2-1205-0007
Resistance measurement element	kΩ	NTC 10K
Assembly	---	on-plaster
Maximum length of signal wire	m	100
Ambient temperature	°C	-20...+70
Temperature measurement range	°C	-20...+70
Protection rating	IP	66