

**VRRK**

Rectangular  
Galvanized steel



## Rectangular volume control dampers type VRRK

Adjustable self-regulating constant air volume control damper in galvanised steel. To be used to regulate airstreams at pressures between 50 and 1000 Pa and temperature ranges between -30°C and 100°C. Big sizes will consist of a double valve. Possible set ranges are obtained by installed calibrated springs. Therefore the desired air volume should always be selected and mentioned when ordering, within a certain set range of the possible springs.

### Application

- For air volume regulation in rectangular ventilation and air-conditioning systems

### Material

- Galvanized steel housing
- Aluminium regulation blade with piston and spring

### Composition

- Rectangular housing made out of laser welded galvanised steel in standard duct sizes with flange 30 mm
- Balanced self-regulating aluminium blade with PTFE bearing and piston to prevent oscillations

### Mounting

- To be joined at both sides with the rectangular ductwork
- Horizontal or vertical mounting

### Order example

- **VRRK, 400 x 200, 500 m³/h**

Explanation

**VRRK** = Type of constant air valve

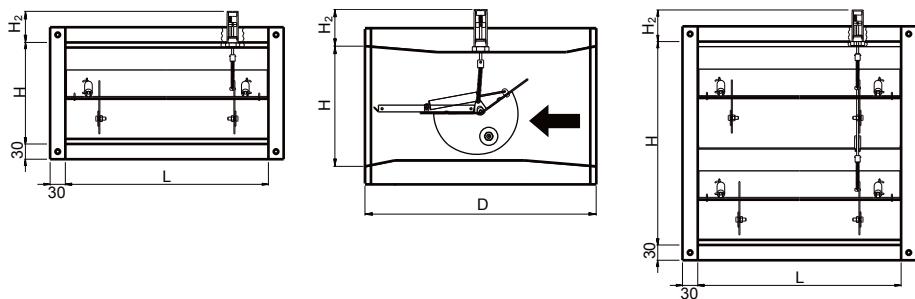
**400** = Length

**200** = Height

**500 m³/h** = Air volume

### Other available products

- In between dimensions available upon request
- Version ATEX available upon request
- Stainless steel version and insulation shells available upon request



Dimensions		
<b>H [mm]</b>	<b>D [mm]</b>	<b>H2 [mm]</b>
H ≤ 200	220	70
250 ≤ H ≤ 400	385	60
H = 500	425	60
H = 600	470	60







VRRK		vk	Q [m³/h]	Lw (dB/octave) - 500Pa									LwA
B	H			63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz		
450	250	3	1215	69	68	66	64	62	59	56	53	67	
		6	2430	74	73	72	70	68	66	63	60	73	
		9	3645	77	76	75	73	71	69	67	64	77	
450	300	3	1458	70	68	67	64	62	59	57	53	68	
		6	2916	75	74	72	71	69	66	64	61	74	
		9	4374	78	77	76	74	72	70	68	65	78	
500	200	3	1080	68	67	65	63	61	58	56	53	66	
		6	2160	73	72	71	69	67	65	62	60	73	
		9	3240	76	75	74	73	71	69	66	64	76	
500	250	3	1350	69	68	66	64	62	59	56	53	67	
		6	2700	73	73	72	70	68	66	63	60	74	
		9	4050	77	76	75	74	72	70	67	65	77	
500	300	3	1620	70	68	67	65	62	60	57	54	68	
		6	3240	75	74	73	71	69	66	64	61	74	
		9	4860	78	77	76	74	72	70	68	65	78	
500	400	3	2160	71	70	68	66	63	60	57	54	69	
		6	4320	76	75	74	72	70	67	65	62	75	
		9	6480	79	78	77	75	73	71	69	66	79	
500	500	3	2700	72	70	68	66	64	61	58	55	69	
		6	5400	77	76	74	73	70	68	65	62	76	
		9	8100	80	79	78	76	74	72	69	66	79	
550	250	3	1485	69	68	66	64	62	59	56	53	67	
		6	2970	75	73	72	70	68	66	63	61	74	
		9	4455	77	76	75	74	72	70	67	65	77	
550	300	3	1782	70	69	67	65	63	60	57	54	68	
		6	3564	75	74	73	71	69	67	64	61	74	
		9	5346	78	77	76	74	73	70	68	65	78	
600	200	3	1296	68	67	65	63	61	59	56	53	67	
		6	2592	74	72	71	69	68	65	63	60	73	
		9	3888	76	75	74	73	71	69	67	64	77	
600	250	3	1620	70	68	66	64	62	59	56	53	67	
		6	3240	75	74	72	70	68	66	63	61	74	
		9	4860	78	77	75	74	72	70	67	65	77	
600	300	3	1944	70	69	67	65	63	60	57	54	68	
		6	3888	76	74	73	71	69	67	64	61	75	
		9	5832	79	78	76	75	73	71	68	65	78	
600	400	3	2592	72	70	68	66	64	61	58	54	69	
		6	5184	77	76	74	72	70	68	65	62	76	
		9	7776	80	79	77	76	74	71	69	66	79	
600	500	3	3240	72	71	69	67	64	61	58	55	70	
		6	6480	78	77	75	73	71	68	65	62	76	
		9	9720	81	80	78	77	74	72	70	67	80	
600	600	3	3888	73	71	69	67	65	62	59	55	70	
		6	7776	78	77	76	74	71	69	66	63	77	
		9	11664	82	80	79	77	75	73	70	67	80	

### Symbols and specifications

- B = Width in mm
- H = Height in mm
- V<sub>k</sub> = Velocity in m/s
- Q [m³/h] = Volume flow in m³/h
- Lw = Sound power level in dB/octave at 100Pa, 250Pa and 500Pa pressure difference
- Lw(A) = Acoustic power in dB(A)