

BASIC VACUUM EJECTOR

Series VE11

Cat No VE11 - 01 - 01 - B

BASIC VACUUM EJECTOR (NOZZLE DIAMETER - Ø1, 1.5, 2, 2.5 mm)

Features

- ❑ Compact, lightweight plastic housing optimized for decentralized vacuum supply in highly dynamic processes
- ❑ Fine power gradation (six levels) for minimum air consumption
- ❑ Compact and easy to install
- ❑ Open, maintenance-friendly silencer



Application

- ❑ A basic ejector with a main body made of plastic for use in handling systems
- ❑ Handling of electronic components
- ❑ Use in separation systems for plastic and sheet-metal machining

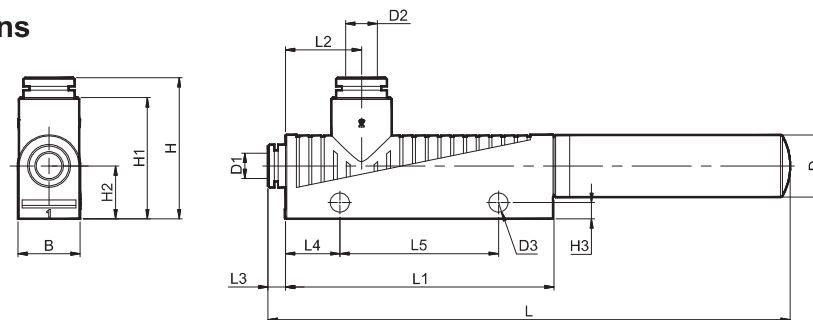
Technical Specifications

Model		VE11 - 4 - 10	VE11 - 4 - 15	VE11 - 4 - 20	VE11 - 4 - 25
Medium		Compressed air			
Working pressure range	(bar)	3 to 6			
Ambient temperature	(°C)	0 to +60			
Nozzle diameter	(mm)	1	1.5	2	2.5
Degree of evacuation	(%)	85	85	85	85
Suction rate (maximum)	(lts/min)	37.7	71	127	215
Air consumption suction*	(lts/min)	48	105	197	311
Sound level suction	(dB(A))	59	65	68	70
Sound level free	(dB(A))	65	72	77	78
Recommended external tube diameter, Compressed air #	(mm)	6	6	8	8
Recommended external tube diameter, Vacuum #	(mm)	8	8	10	10
Weight	(g)	22	22	50	50

* - At optimal operating pressure (4 bar)

- For maximum length 2 m

Basic dimensions



Model	B	D	D1	D2	D3	L	L1	L2	L3	L4	L5	H	H1	H2	H3
VE11- 4-10	15	14	6	8	4.2	97	51.5	22	5.5	12.5	20	40	34	14	5.2
VE11- 4-15	15	14	6	8	4.2	97	51.5	22	5.5	12.5	20	40	34	14	5.2
VE11- 4-20	20	20	8	10	4.2	168	86.5	24.5	5.5	12.5	20	45.5	39	17	5.2
VE11- 4-25	20	20	8	10	4.2	168	86.5	24.5	5.5	12.5	20	45.5	39	17	5.2

Caution

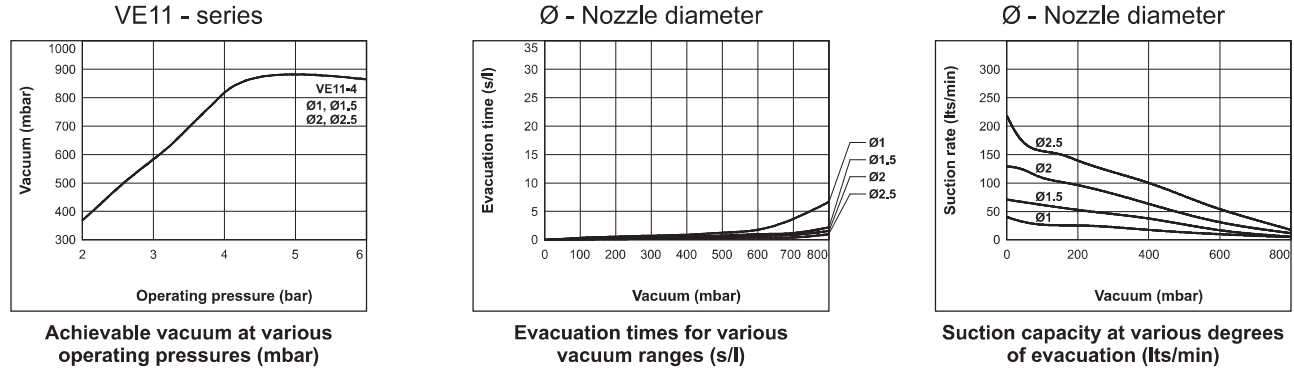
1. Do not extract harmful media such as dust, oil, mists, vapors, aerosols etc
2. Do not extract aggressive gases or media such as acids, acid fumes, bases, biocides, disinfectants or detergents
3. Do not extract liquids or bulk materials, e.g. Granulates

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Performance Data



Achievable vacuum at various operating pressures (mbar)

Model		Pressure (bar)				
		2	3	4	5	6
VE11-4	Vacuum (mbar)	360	580	800	875	850

Evacuation times for various vacuum ranges (s/l)

Model		Vacuum (mbar)								
		50	100	200	300	400	500	600	700	800
VE11-4-10	Evacuation Time (s/l)	0.06	0.14	0.3	0.52	0.82	1.3	1.98	3.26	6.56
VE11-4-15		0.05	0.08	0.16	0.26	0.4	0.6	0.86	1.3	2.54
VE11-4-20		0.03	0.05	0.09	0.16	0.24	0.34	0.49	0.8	1.74
VE11-4-25		0.03	0.04	0.07	0.09	0.14	0.2	0.28	0.42	0.99

Suction capacity at various degrees of evacuation (lts/min)

Model		Vacuum (mbar)									
		0	50	100	200	300	400	500	600	700	800
VE11-4-10	Suction rate (lts/min)	37.7	33.2	30.1	26.7	23	18.6	14.9	9.8	5.2	1.61
VE11-4-15		71	65	60.1	52	44	36.5	29	20.5	11.4	2.18
VE11-4-20		127	117.8	106	94.2	79.1	65.3	49.87	35.99	23	8.36
VE11-4-25		215	172	156.1	138.7	118.5	99.1	79.36	58.9	37.24	16.24

How to order

VE11

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4

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10

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06

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08

Control valve	
4	Normally open

Nozzle diameter	Sl. No. #
10	1 mm 1
15	1.5 mm 2
20	2 mm 3
25	2.5 mm 4

Airline OD	
06	6 mm
08	8 mm

Vacuum line OD	
08	8 mm
10	10 mm

Note: Sl. No. 1 & 2 applicable for Air line (OD) 6 mm and Vacuum line (OD) 8 mm

Sl. No. 3 & 4 applicable for Air line (OD) 8 mm and Vacuum line (OD) 10 mm

* Note: Sl. No. 1 & 2 applicable for Air line (OD) 6 mm and Vacuum line (OD) 8 mm.
Sl. No. 3 & 4 applicable for Air line (OD) 8 mm and Vacuum line (OD) 10 mm.

Ordering example:

Ordering no. for Basic vacuum ejector Normally open type, Nozzle diameter 1 mm, Air line OD 6mm, Vacuum line OD 8mm: **VE11-4-10-0608**

Subject to change