

VACUUM IN-LINE EJECTOR

Series VE61

Cat No VE61 - 01 - 01 - A

VACUUM IN-LINE EJECTOR (NOZZLE DIAMETER - Ø0.5, 1, 1.5, 2 mm)

Features

- ☐ Compact and lightweight
- ☐ Easy to install
- ☐ Simple & durable construction with minimal maintenance needs
- ☐ Push-in connection simplifies assembly



Application

- ☐ Creating vacuum in handling systems within limited space
- ☐ Handling of electronic components
- ☐ A vacuum in-line ejector assists in pick-and-place operations for automation systems

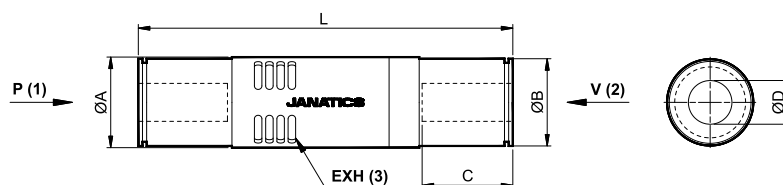
Technical Specifications

Model		VE61-4-05	VE61-4-10	VE61-4-15	VE61-4-20
Medium		Compressed air			
Working pressure range	(bar)	1 to 6			
Ambient temperature	(°C)	+5 to +60			
Nozzle diameter	(mm)	0.5	1.0	1.5	2.0
Degree of evacuation	(%)	91.5	91.5	91.5	91.5
Suction rate (maximum)	(lts/min)	17	22	46	60
Air consumption suction* (maximum)	(lts/min)	52	112	211	260
Sound level	(dB(A))	91.1	91.8	93.3	95.8
Recommended external tube diameter, Compressed air #	(mm)	6	8	8	10
Recommended external tube diameter, Vacuum	(mm)	6	8	8	10
Weight	(g)	25	30	45	53

* - At optimal operating pressure (5 bar)

- For maximum length 2 m

Basic dimensions



Model	L	ØD	ØA	ØB	C
VE61-4-05	66	6	14.3	13	17
VE61-4-10	78	8	15.8	15	19
VE61-4-15	80	8	18.8	18	20
VE61-4-20	90	10	21.8	21	21

Caution

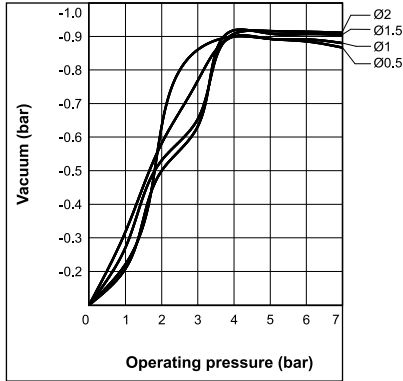
1. Do not extract harmful media such as dust, oil, mists, vapors, aerosols etc
2. Do not extract aggressive gases or media such as acids, acid fumes, bases, biocides, disinfectants or detergents
3. Do not extract liquids or bulk materials, e.g. Granulates

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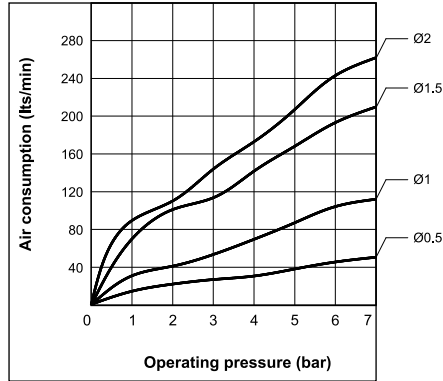
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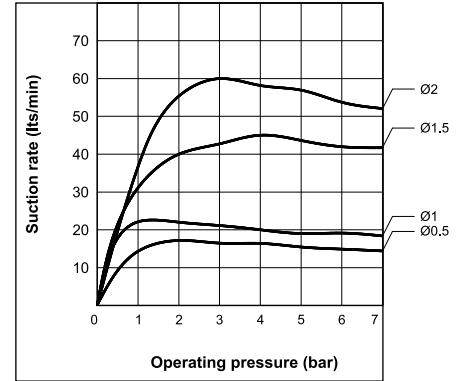
Performance Data



Achievable vacuum at various operating pressures (bar)



Air consumption at various operating pressures (lts/min)



Suction rate at various operating pressures (lts/min)

Achievable vacuum at various operating pressures (bar)

Model		Operating Pressure (bar)						
		1	2	3	4	5	6	7
VE61-4-05	Vacuum (bar)	-0.22	-0.63	-0.87	-0.91	-0.89	-0.89	-0.86
VE61-4-10		-0.32	-0.58	-0.78	-0.90	-0.89	-0.88	-0.87
VE61-4-15		-0.27	-0.53	-0.65	-0.91	-0.92	-0.92	-0.91
VE61-4-20		-0.21	-0.50	-0.63	-0.92	-0.91	-0.91	-0.91

Air consumption at various operating pressures (lts/min)

Model		Operating Pressure (bar)						
		1	2	3	4	5	6	7
VE61-4-05	Air Consumption (lts/min)	14	21	27	33	40	45	52
VE61-4-10		28	42	57	72	87	102	112
VE61-4-15		74	97	113	140	167	194	211
VE61-4-20		86	110	143	174	207	244	260

Suction rate at various operating pressures (lts/min)

Model		Operating Pressure (bar)						
		1	2	3	4	5	6	7
VE61-4-05	Suction rate (lts/min)	14	17	16	16	15	15	14
VE61-4-10		22	22	21	20	19	19	19
VE61-4-15		30	42	45	46	45	45	43
VE61-4-20		37	55	60	58	57	53	52

How to order

VE61	—	4	—	10	—	08	—	08
		Control valve						
		4	Normally open					
				Sl. No. #	Nozzle diameter			
				1	05	0.5 mm		
				2	10	1 mm		
				3	15	1.5 mm		
				4	20	2 mm		
						Air line (OD)		
						06	6 mm	
						08	8 mm	
						10	10 mm	
						Vacuum line (OD)		
						06	6 mm	
						08	8 mm	
						10	10 mm	

[#] Note: Sl. No. 1 applicable for Air line (OD) 06 and Vacuum line

* Note: Sl. No. 1 applicable for Air line (OD) 06 and Vacuum line (OD) 06
Sl. No. 2 & 3 applicable for Air line (OD) 08 and Vacuum line (OD) 08
Sl. No. 4 applicable for Air line (OD) 10 and Vacuum line (OD) 10

Ordering example:

Ordering no. for Vacuum in-line ejector Normally open type, Nozzle diameter - 1mm, Air line (OD) - 8mm, Vacuum line (OD) - 8mm:

VE61-4-10-0808

Subject to change