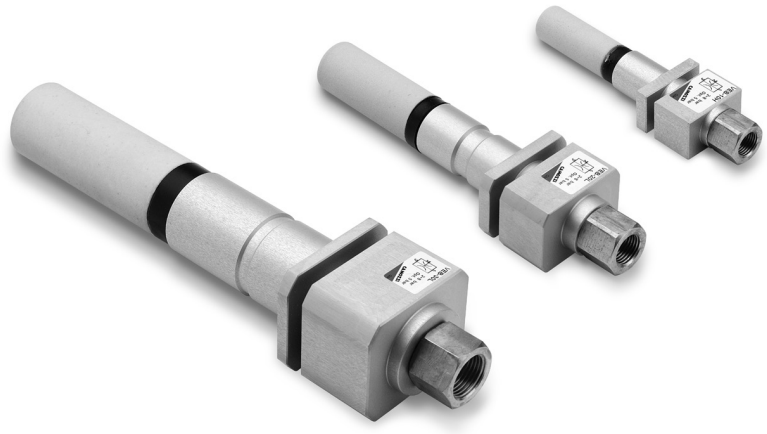
Series VEB basic ejectors

Basic ejectors with no moving parts, based on the Venturi principle.
Version “L” for porosive workpieces.
Version “H” for high vacuum value.



- No moving parts for long life and low maintenance
- Reduced weight
- Rapid generation of vacuum

Series VEB basic ejectors are universal ejectors suitable for several industrial applications.
They are available in two versions:
- Version “L” for porosive workpieces
- Version “H” for high vacuum value (85%)

Applications:
- Industrial robotics in most sectors
- Wood industry
- Packaging industry
- Food industry

GENERAL DATA

Description	- body in anodized Aluminium - internal nozzle in brass - silencer in technopolymer

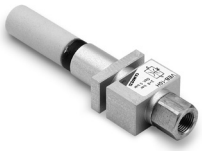
CODING EXAMPLE

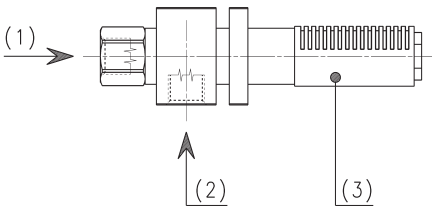
VE	B	-	05	H

VE	SERIES VE = Vacuum ejector
B	VERSION B = basic
05	NOZZLE DIAMETER (MM) 05 = 0,5 mm 07 = 0,7 mm 10 = 1 mm 15 = 1,5 mm 20 = 2 mm 25 = 2,5 mm 30 = 3 mm
H	SUCTION TYPE H = high vacuum L = high suction rate

TECHNICAL DATA

1 = Compressed air inlet
2 = Vacuum inlet
3 = Exhaust

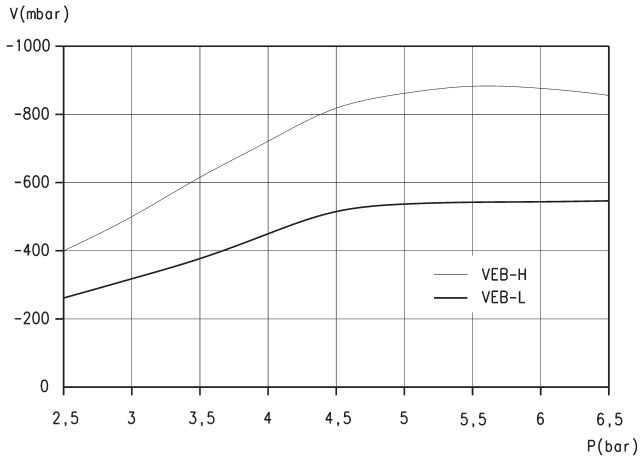




TECHNICAL DATA

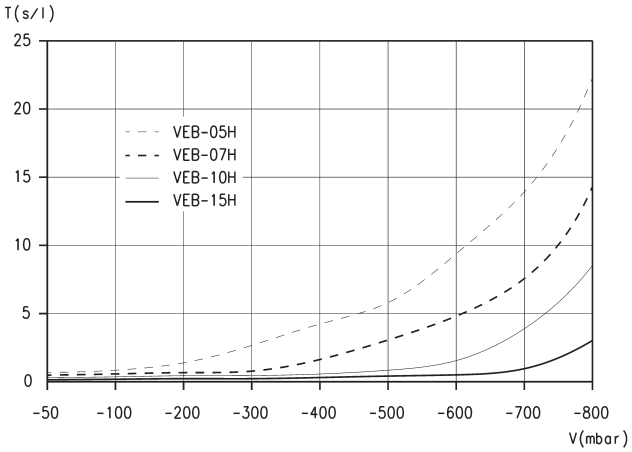
Mod.	Ø nozzle (mm)	Degree of evacuation (%)	Suction rate max. (l/min)	Suction rate max. (m³/min)	Air consumption (l/min)	Air consumption (m³/h)	Working pressure (bar)	Weight (kg)
VEB-05H	0,5	82	7	0,4	13	0,8	4,5	0,011
VEB-07H	0,7	85	14	0,8	21	1,3	4,5	0,045
VEB-10H	1	85	34	2	49	2,9	5	0,05
VEB-15H	1,5	85	69	4,1	102	6,1	4,5	0,11
VEB-20H	2	85	124	7,4	186	11,2	5	0,13
VEB-20L	2	55	170	10,2	186	11,2	5	0,13
VEB-25H	2,5	85	184	11	275	16,5	5	0,295
VEB-25L	2,5	55	260	15,6	275	16,5	5	0,295
VEB-30H	3	85	240	14,4	392	23,5	5	0,404
VEB-30L	3	55	370	22,2	392	23,5	5	0,404

Diagrams VEB



LEGEND:
V = vacuum values
P = working pressure

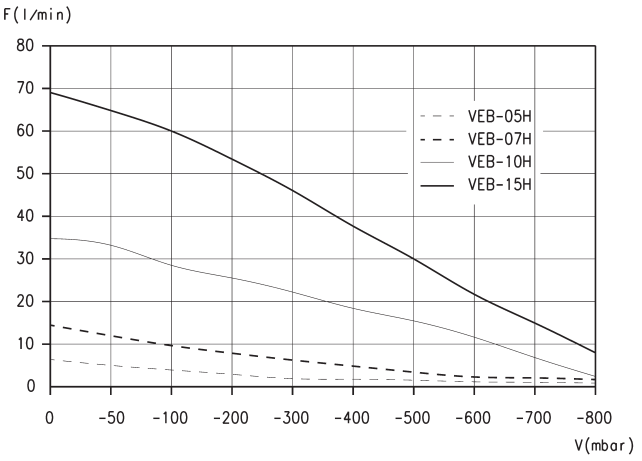
Note: vacuum reachable with different supply pressures



LEGEND:
T = Evacuation time
V = Vacuum values

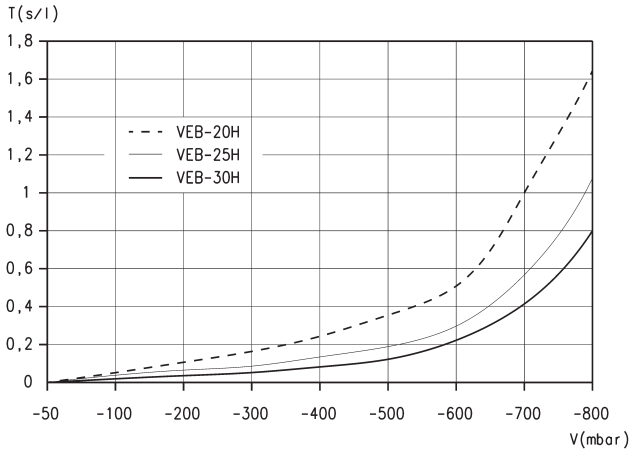
Note: evacuation time for different vacuum values

Diagrams VEB



LEGEND:
F = Suction rate
V = Vacuum values

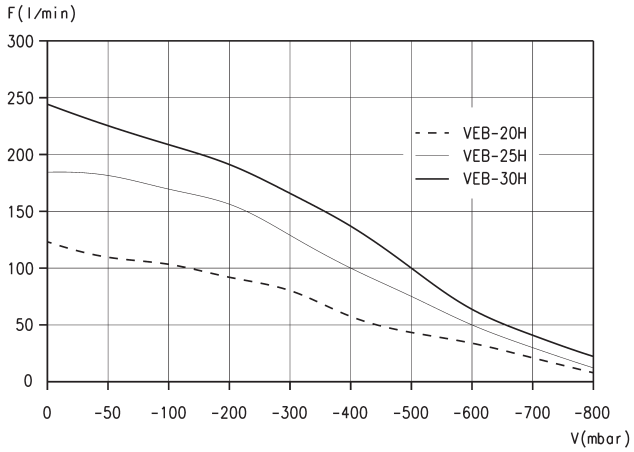
Note: Suction rate with different vacuum values



LEGEND:
T = Evacuation time
V = Vacuum values

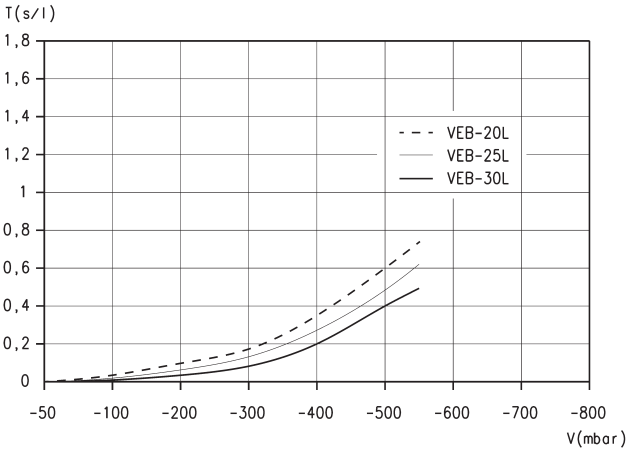
Note: evacuation time for different vacuum values

Diagrams VEB



LEGEND:
F = Suction rate
V = Vacuum values

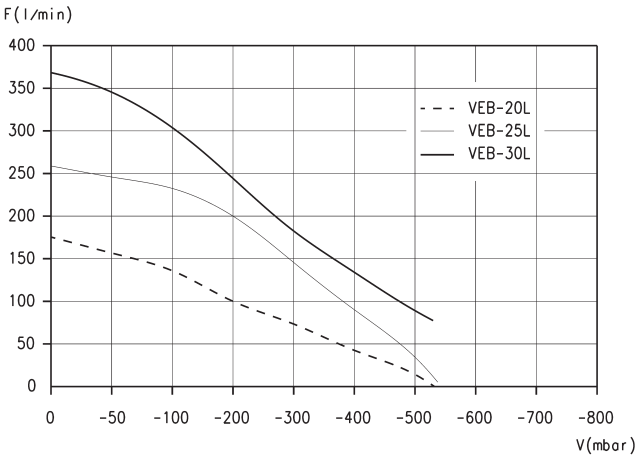
Note: Suction rate with different vacuum values



LEGEND:
T = Evacuation time
V = Vacuum values

Note: evacuation time for different vacuum values

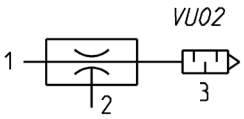
Diagrams VEB

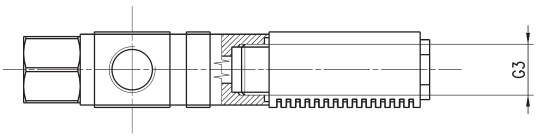


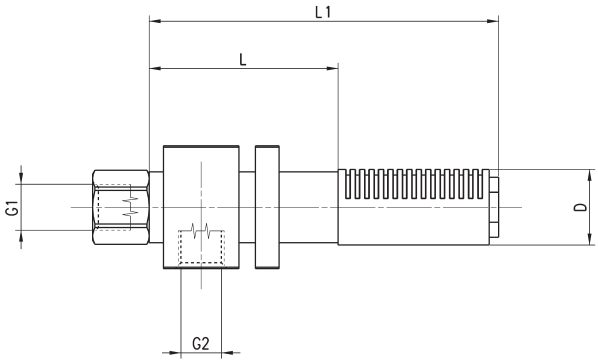
LEGEND:
F = Suction rate
V = Vacuum values

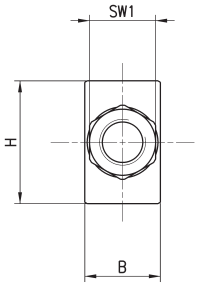
Note: Suction rate with different vacuum values

EJECTORS VEB 05...30









DIMENSIONS

Mod.	B	D	G1	G2	G3*	H	L	L1	SW1
VEB-05H	10	7	M5	M5	M5	20	32	50	8
VEB-07H	16	16	G1/8	G1/8	G1/8	26	40	74	14
VEB-10H	16	16	G1/8	G1/8	G1/8	26	45	79	14
VEB-15H	22	21	G1/4	G1/4	G1/4	38	60	101,5	17
VEB-20H	26	25	G1/4	G1/4	G3/8	38	75	125,5	17
VEB-20L	26	25	G1/4	G1/4	G3/8	38	75	125,5	17
VEB-25H	32	30	G3/8	G1/2	G1/2	50	100	161,5	22
VEB-25L	32	30	G3/8	G1/2	G1/2	50	100	161,5	22
VEB-30H	42	40	G3/8	G1/2	G3/4	50	110	194,5	22
VEB-30L	42	40	G3/8	G1/2	G3/4	50	110	194,5	22