

# Series VEB basic ejectors

Basic ejectors with no moving parts, based on the Venturi principle.  
Version "L" for porous 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 porous workpieces
- Version "H" for high vacuum value (85%)

Applications:

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

## GENERAL DATA

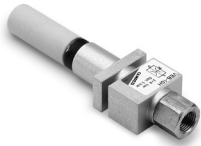
**Description** - body in anodized Aluminium  
- internal nozzle in brass  
- silencer in technopolymer

**CODING EXAMPLE**

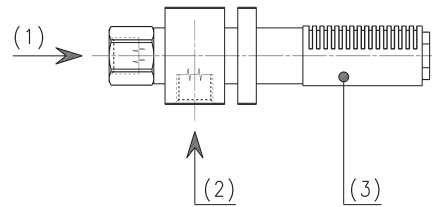
|           |   |   |           |          |
|-----------|---|---|-----------|----------|
| <b>VE</b> | <b>B</b>  | - | <b>05</b> | <b>H</b> |
| <b>VE</b> | SERIES<br>VE = Vacuum ejector   |   |           |          |
| <b>B</b>  | VERSION<br>B = basic  |   |           |          |
| <b>05</b> | NOZZLE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

SERIES VEB BASIC EJECTORS

**TECHNICAL DATA**

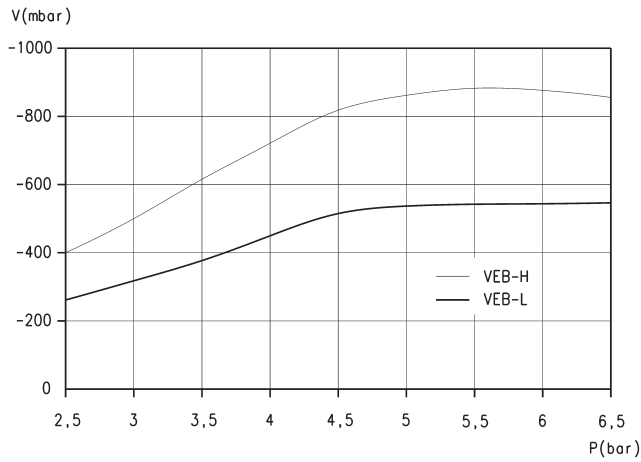


- 1 = Compressed air inlet
- 2 = Vacuum inlet
- 3 = Exhaust



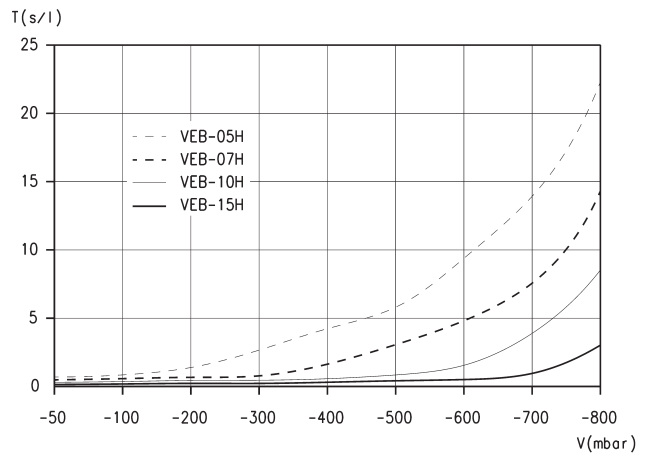
| TECHNICAL DATA |               |                          |                           |   |                         |                                     |                        |             |  |
|----------------|---------------|--------------------------|---------------------------|---|-------------------------|-------------------------------------|------------------------|-------------|--|
| Mod.           | ∅ nozzle (mm) | Degree of evacuation (%) | Suction rate max. (l/min) | Suction rate max. (m <sup>3</sup> /min) | Air consumption (l/min) | Air consumption (m <sup>3</sup> /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       |  |

### Diagrams VEB



**LEGEND:**  
 V = vacuum values  
 P = working pressure

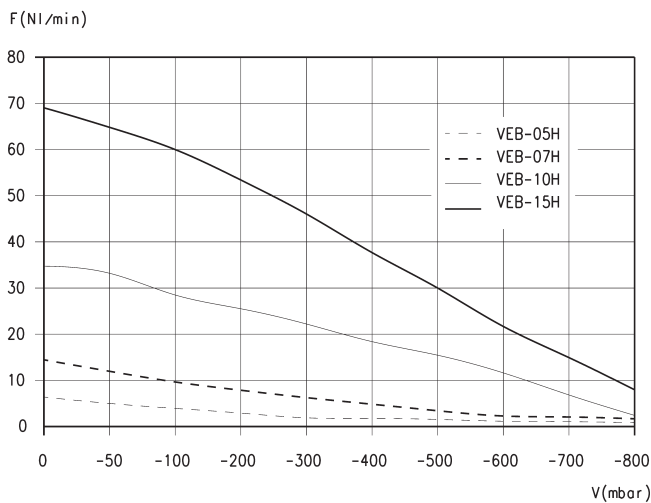
Note: vacuum reachable with different supply pressures



**LEGEND:**  
 T = Evacuation time  
 V = Vacuum values

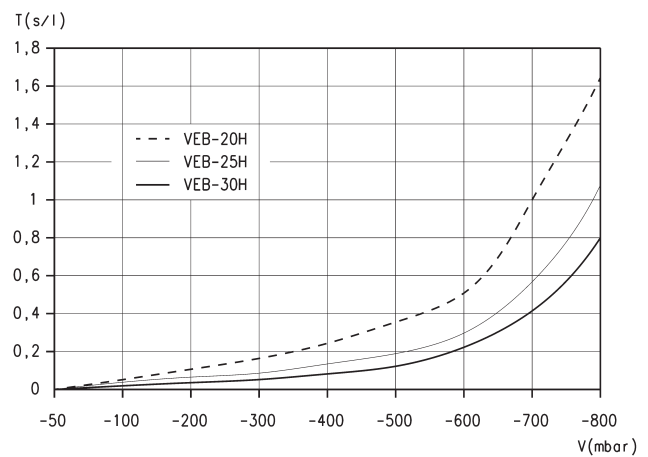
Note: evacuation time for different vacuum values

### Diagrams VEB



**LEGEND:**  
 F = Suction rate  
 V = Vacuum values

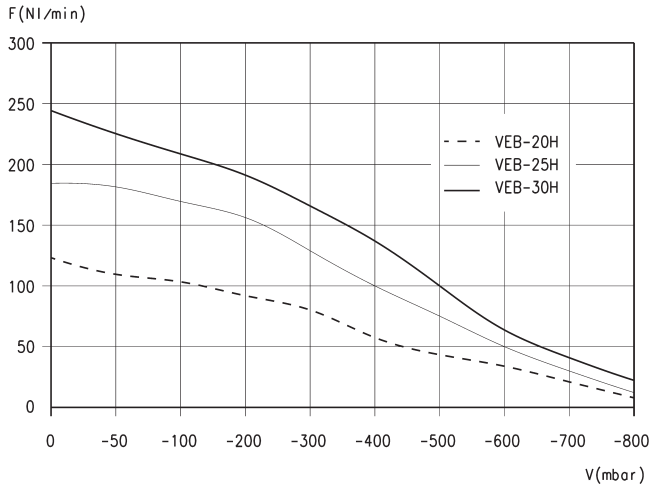
Note: Suction rate with different vacuum values



**LEGEND:**  
 T = Evacuation time  
 V = Vacuum values

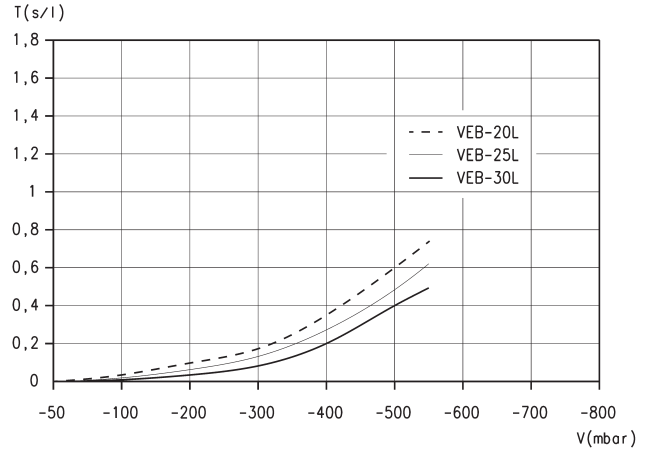
Note: evacuation time for different vacuum values

**Diagrams VEB**



**LEGEND:**  
F = Suction rate  
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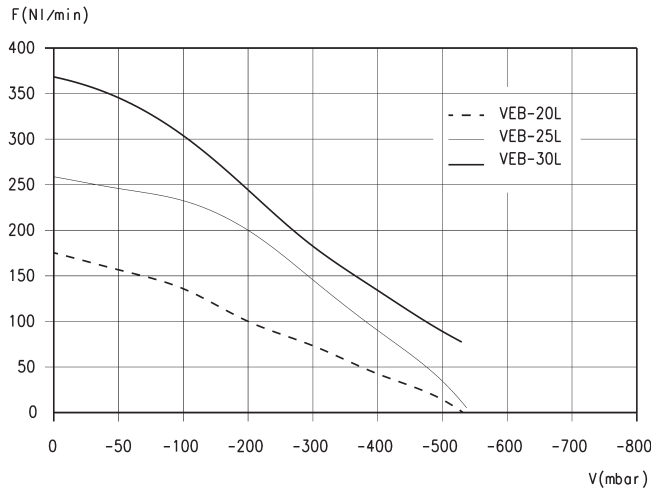
Note: Suction rate with different vacuum values



**LEGEND:**  
T = Evacuation time  
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Note: evacuation time for different vacuum values

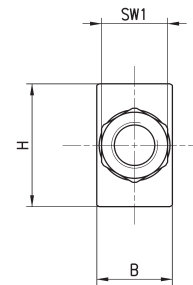
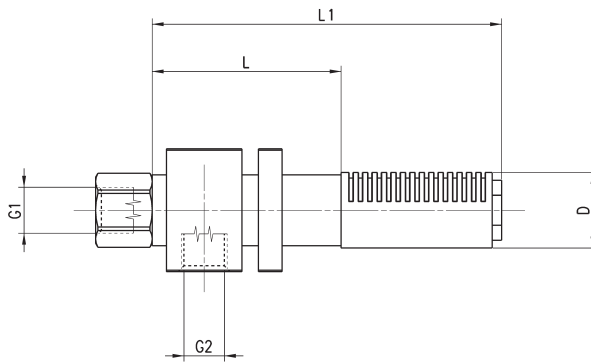
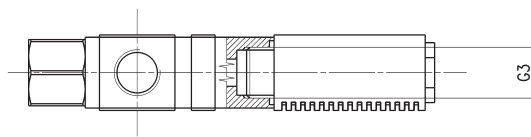
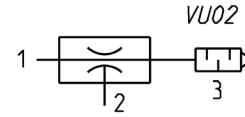
**Diagrams VEB**



**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  |