

BASIC EJECTORS

SERIES VEB

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:

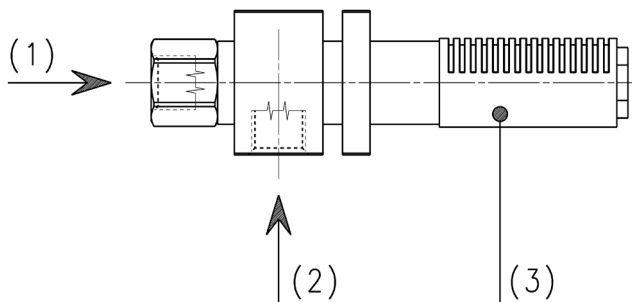
- Industrial robotics in most sectors
- Wood industry
- Packaging industry
- Food industry

GENERAL DATA

| | |
|-------------|---|
| Description | <ul style="list-style-type: none"> - body in anodized Aluminium - internal nozzle in brass - silencer in technopolymer |
|-------------|---|

BASIC EJECTORS
SERIES VEB - CODING EXAMPLE
CODING EXAMPLE

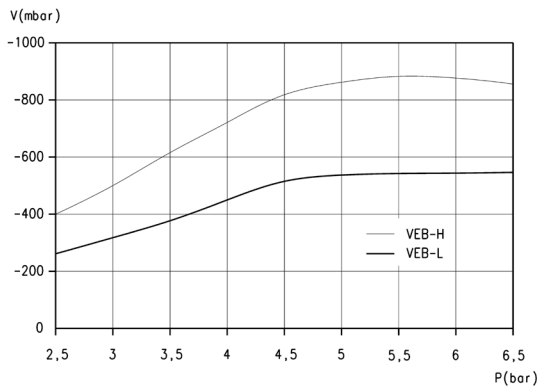
| | | | |
|------------|--|-----------|----------|
| VEB | - | 05 | H |
| VEB | SERIES VEB = vacuum ejector | | |
| 05 | NOZZLE DIAMETER 05 = 0,5 mm 07 = 0,7 mm 10 = 1 mm 15 = 1,5 mm 20 = 2 mm 25 = 2,5 mm 30 = 3 mm | | |
| H | SUCTION TYPE H = high vacuum L = high suction rate | | |

Technical data


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

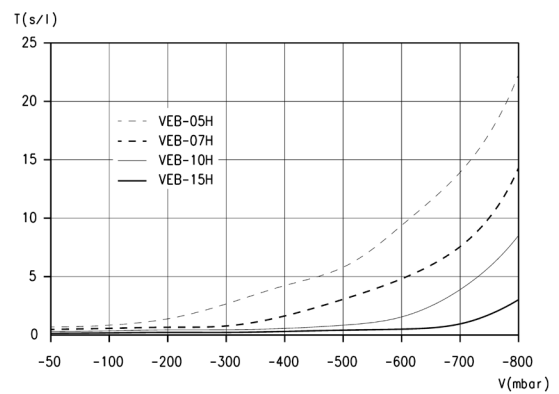
| Mod. | Ø Nozzle (mm) | Degree of evacuation (%) | Suction rate max. (l/min) | Suction rate max. (m ³ /h) | Air consumption (l/min) | Air consumption (m ³ /h) | Working pressure (bar) | Weight (kg) |
|----------------|---------------|--------------------------|---------------------------|---------------------------------------|-------------------------|-------------------------------------|------------------------|-------------|
| 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



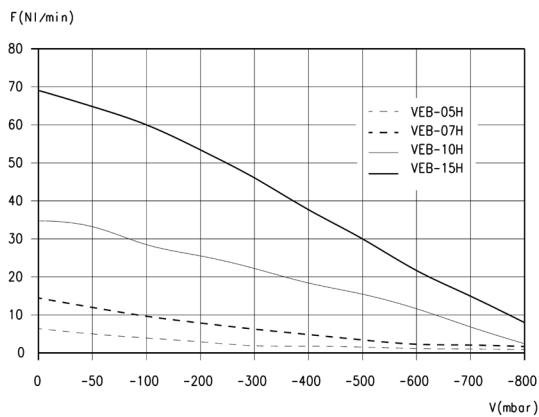
LEGEND:
V = vacuum values
P = working pressure

Note: vacuum reachable with different supply pressures



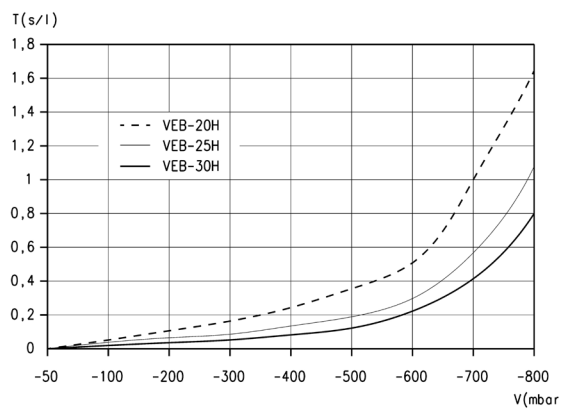
LEGEND:
T = Evacuation time
V = Vacuum values

Note: evacuation time for different vacuum values



LEGEND:
F = Suction rate
V = Vacuum values

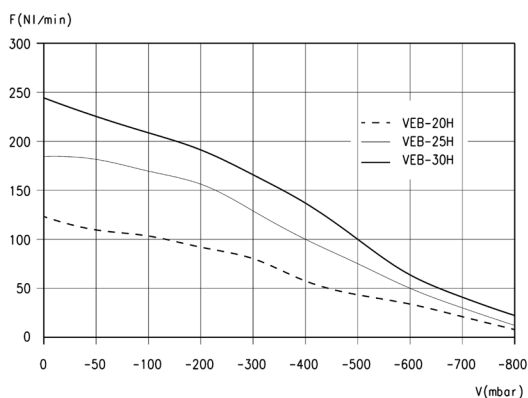
Note: Suction rate with different vacuum values



LEGEND:
T = Evacuation time
V = Vacuum values

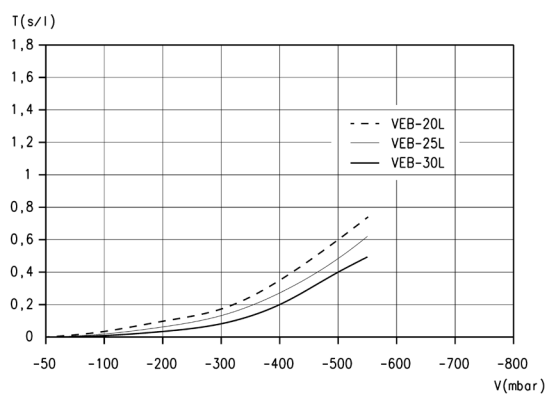
Note: evacuation time for different vacuum values

Diagrams VEB



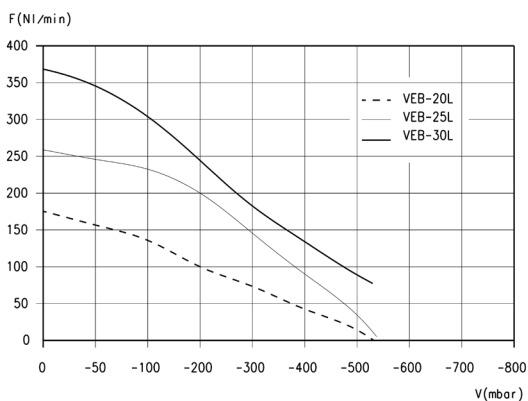
LEGEND:
F = Suction rate
V = Vacuum values

Note: Suction rate with different vacuum values



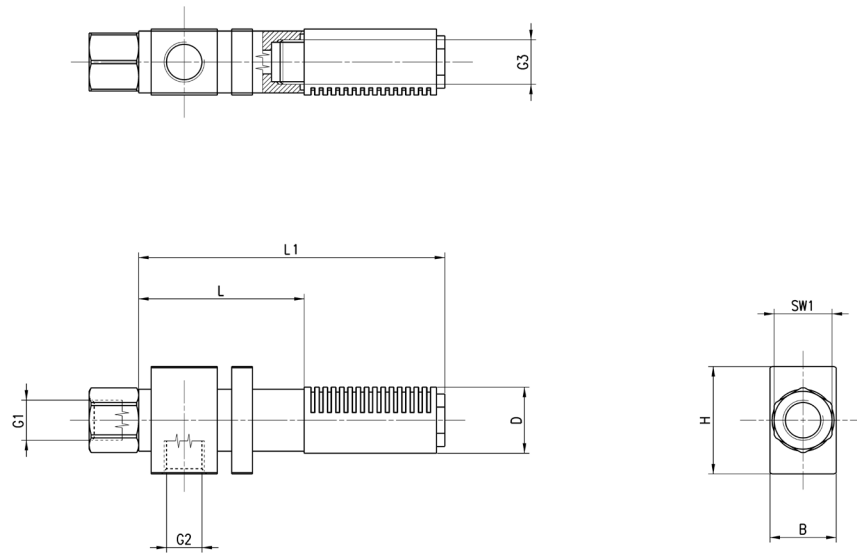
LEGEND:
T = Evacuation time
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Note: evacuation time for different vacuum values



LEGEND:
F = Suction rate
V = Vacuum values

Note: Suction rate with different vacuum values

Ejectors VEB 05...30


| 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 |