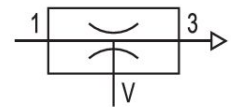
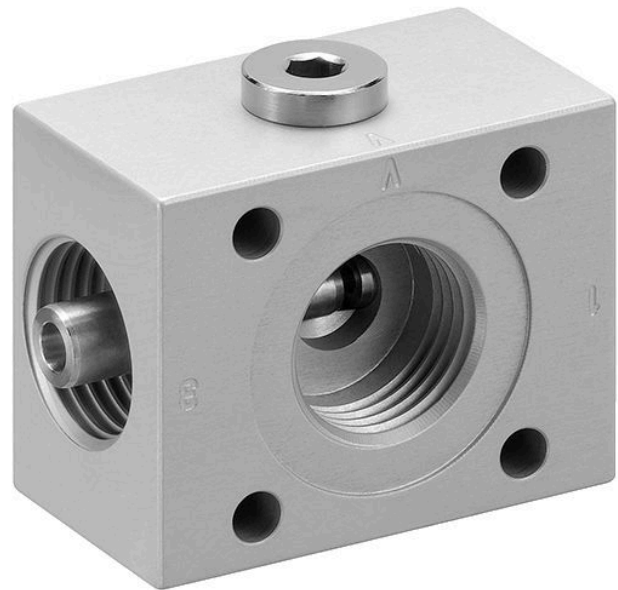


AVENTICS Series EBP Ejectors

AVENTICS EBP Series are simple stage vacuum ejectors pneumatically controlled. EBE vacuum ejectors are robust, compact, easy to install and with a low sound level.



Technical data

| | |
|------------------------------------|---------------------|
| Industry | Industrial |
| Activation | Pneumatically |
| Nozzle Ø | 3 mm |
| Min. working pressure | 2 bar |
| Max. working pressure | 6 bar |
| Min. ambient temperature | 0 °C |
| Max. ambient temperature | 50 °C |
| Min. medium temperature | 0 °C |
| Max. medium temperature | 60 °C |
| Medium | Compressed air |
| Min. oil content of compressed air | 0 mg/m ³ |
| Max. oil content of compressed air | 1 mg/m ³ |
| Max. particle size | 5 µm |
| Max. suction capacity | 240 l/min |
| Air consumption at p.opt. | 420 l/min |
| Max. vacuum level at p.opt. | 90 % |
| Weight | 0.24 kg |
| Housing material | Aluminum |
| Surface housing | anodized |

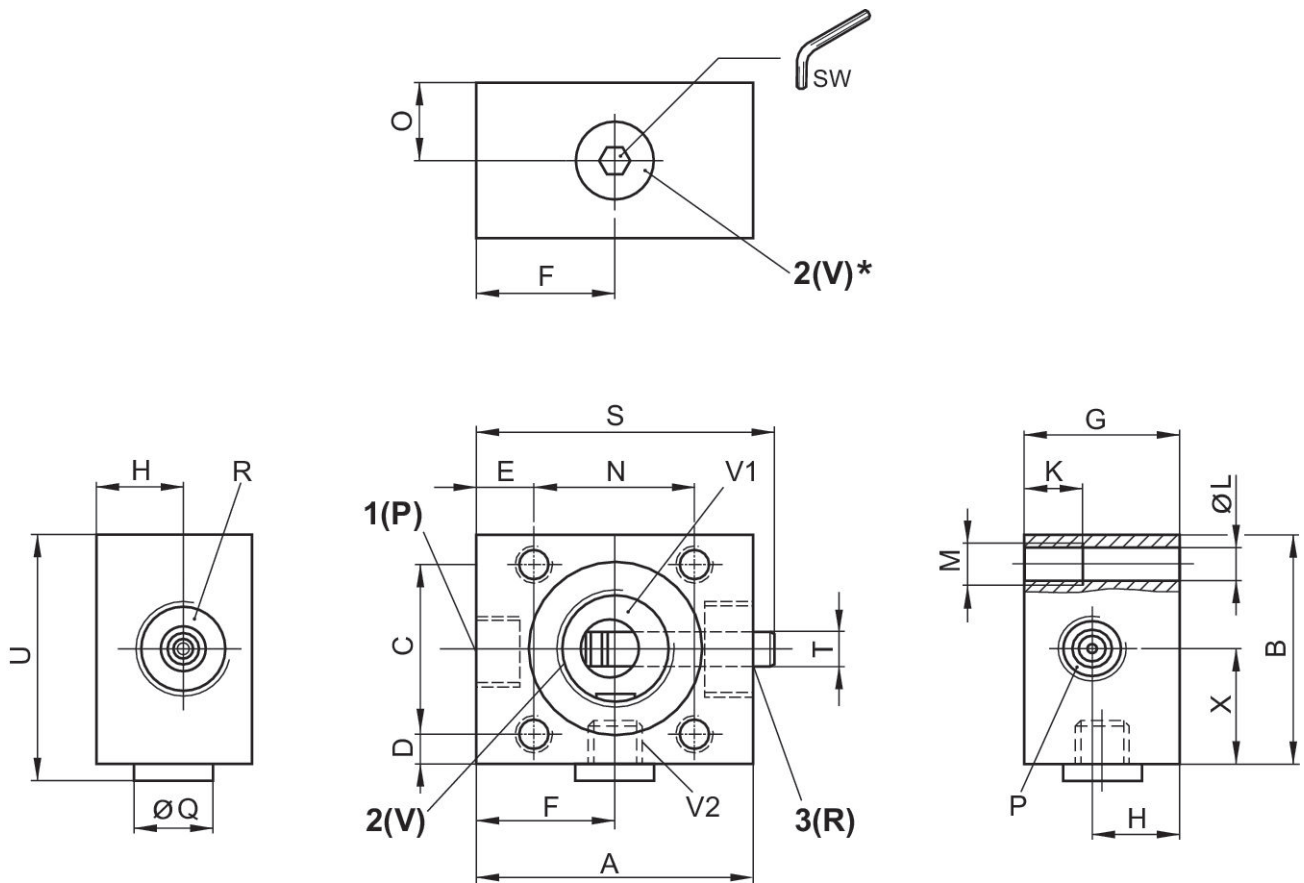
| | |
|-----------------|--------------------------------|
| Seal material | Acrylonitrile butadiene rubber |
| Nozzle material | Brass |
| Part No. | 7354200000 |

Technical information

Note: All data refers to an ambient pressure of $[[1,013]$ bar] and an ambient temperature of $[[20]^{\circ}\text{C}]$.
 The pressure dew point must be at least 15°C less than ambient and medium temperature and may not exceed 3°C .

The oil content of compressed air must remain constant during the life cycle.

EBP-PT-10 .../ -30



* Compressed air connection for pressure sensor

| Part No. | A | B | C | D | E | F | G | H | K |
|------------|----|----|----|-----|------|----|----|------|----|
| 7350150000 | 40 | 25 | 16 | 4.5 | 9 | 20 | 25 | 12.5 | 10 |
| 7350300000 | 50 | 25 | 16 | 4.5 | 12 | 23 | 25 | 12.5 | 10 |
| 7350600000 | 50 | 40 | 29 | 5.5 | 10.5 | 25 | 28 | 15.5 | 12 |

| Part No. | A | B | C | D | E | F | G | H | K |
|------------|----|----|----|-----|------|----|----|------|----|
| 7351200000 | 50 | 40 | 29 | 5.5 | 10.5 | 25 | 28 | 15.5 | 12 |
| 7352400000 | 60 | 40 | 29 | 5.5 | 10.5 | 25 | 40 | 21.5 | 12 |
| 7354200000 | 60 | 40 | 29 | 5.5 | 10.5 | 25 | 40 | 21.5 | 12 |

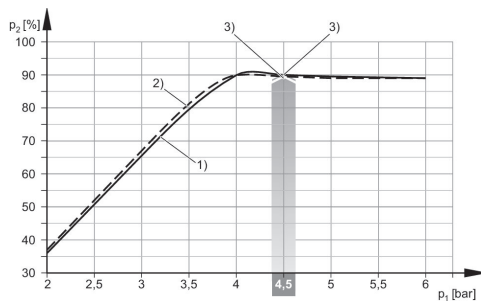
| Part No. | Ø L | M | N | O | P 1) | Ø Q | R | S | SW |
|------------|-----|----|----|------|----------|-----|---------|------|----|
| 7350150000 | 5.1 | M6 | 22 | 10 | G 1/8x8 | 14 | G 1/8x8 | — | 5 |
| 7350300000 | 5.1 | M6 | 22 | 10 | G 1/8x8 | 14 | G 1/8x8 | — | 5 |
| 7350600000 | 5.1 | M6 | 29 | 14 | G 1/4x10 | 14 | G 3/8x9 | — | 5 |
| 7351200000 | 5.1 | M6 | 29 | 14 | G 1/4x10 | 14 | — | 52.5 | 5 |
| 7352400000 | 5.1 | M6 | 29 | 21.5 | G 1/4x10 | 14 | G 1x12 | — | 5 |
| 7354200000 | 5.1 | M6 | 29 | 21.5 | G 1/4x10 | 14 | G 1x12 | — | 5 |

| Part No. | Ø T | U | V1 2) | V2 3) | X |
|------------|-----|------|---------|---------|------|
| 7350150000 | 5 | 28 | G 1/8x8 | G 1/8x7 | 12,5 |
| 7350300000 | — | 28.5 | G 1/8x8 | G 1/8x7 | 12,5 |
| 7350600000 | 8 | 43 | G 1/2x9 | G 1/8x8 | 20 |
| 7351200000 | 8 | 43 | G 1/2x9 | G 1/8x8 | 20 |
| 7352400000 | — | 43 | G 1/2x9 | G 1/8x8 | 20 |
| 7354200000 | — | 43 | G 1/2x9 | G 1/8x8 | 20 |

- 1) Inlet
- 2) Suction connection

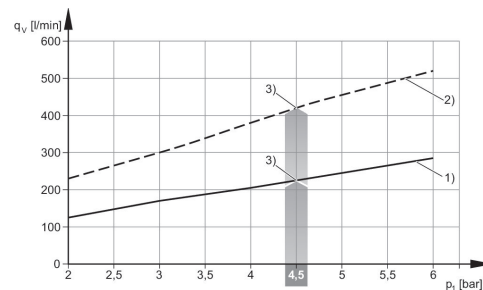
3) Variable connection for vacuum

Vacuum p₂ depending on working pressure p₁



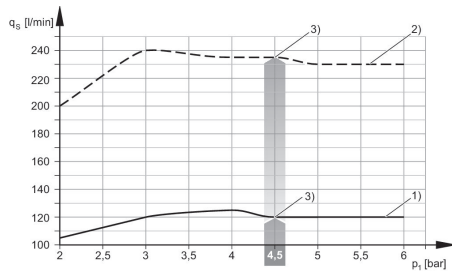
- 1) Ø nozzle 2.1 mm
- 2) Ø nozzle 3.0 mm
- 3) optimum working pressure

Air consumption q_v depending on working pressure p₁



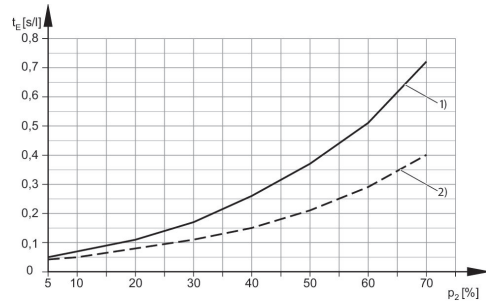
- 1) Ø nozzle 2.1 mm
- 2) Ø nozzle 3.0 mm
- 3) optimum working pressure

Suction capacity q_s depending on working pressure p_1



- 1) \varnothing nozzle 2.1 mm
- 2) \varnothing nozzle 3.0 mm
- 3) optimum working pressure

Evacuation time t_E depending on vacuum p_2 for 1 l volume (with optimal operating pressure p_{1opt})



- 1) \varnothing nozzle 2.1 mm
- 2) \varnothing nozzle 3.0 mm