

Ejector, Series EBS

- Thread connection
- electrical control, T-design
- with silencer



| | |
|--|------------------------------|
| Type | Ejector |
| Version | electrical control, T-design |
| Activation | Electrically |
| Working pressure min./max. | 3 ... 6 bar |
| Ambient temperature min./max. | 0 ... 50 °C |
| Medium temperature min./max. | 0 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 5 µm |
| Oil content of compressed air | 0 ... 1 mg/m ³ |
| Protection class With valve plug connector | IP40 |
| Display | LED |
| DC operating voltage | 24 V |
| Voltage tolerance DC | - 5% / +10% |
| Power consumption Solenoid valve | 1,3 W |
| Weight | 0,027 kg |

Technical data

| Part No. | Type | Nozzle Ø | Compressed air connection | Vacuum connection+ |
|------------|--------------|----------|---------------------------|--------------------|
| R412007768 | EBS-ET-05-NC | 0,5 mm | M5 | M5 |
| R412007769 | EBS-ET-07-NC | 0,7 mm | M5 | M5 |

| Part No. | Max. vacuum level at p.opt | Max. suction capacity | Air consumption at p.opt. |
|------------|----------------------------|-----------------------|---------------------------|
| R412007768 | 84 % | 7,5 l/min | 14 l/min |
| R412007769 | 85 % | 16,8 l/min | 24 l/min |

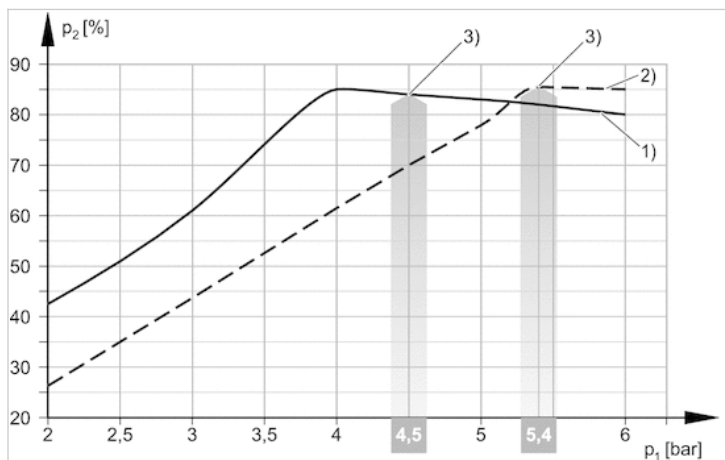
| Part No. | Sound pressure level intake effect | Sound pressure level intake effect |
|------------|------------------------------------|------------------------------------|
| R412007768 | 53 dB | 58 dB |
| R412007769 | 59 dB | 65 dB |

Technical information

Note: All data refers to an ambient pressure of 1.013 bar and an ambient temperature of 20 °C .
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

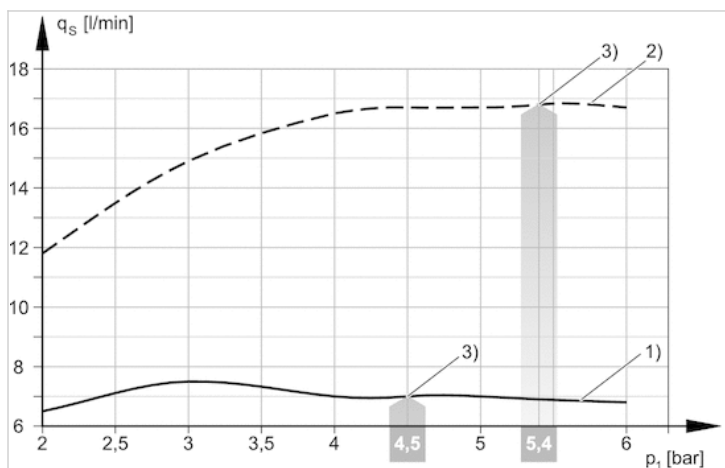
Diagrams

Vacuum p₂ depending on working pressure p₁



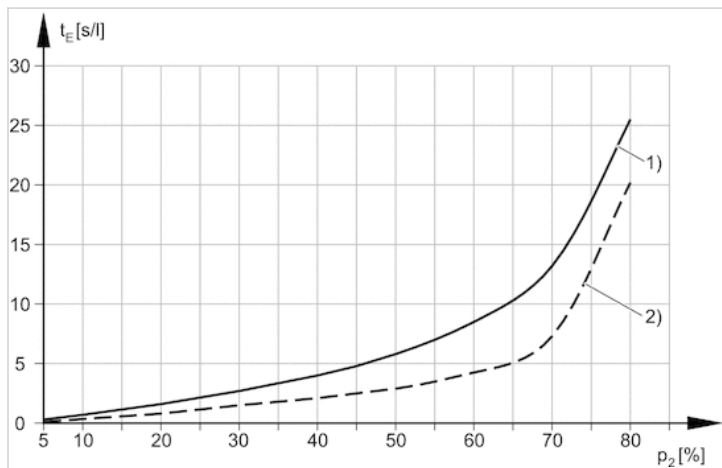
- 1) = Ø nozzle 0.5 mm
- 2) = Ø nozzle 0.7 mm
- 3) optimum working pressure

Suction capacity q_s depending on working pressure p₁



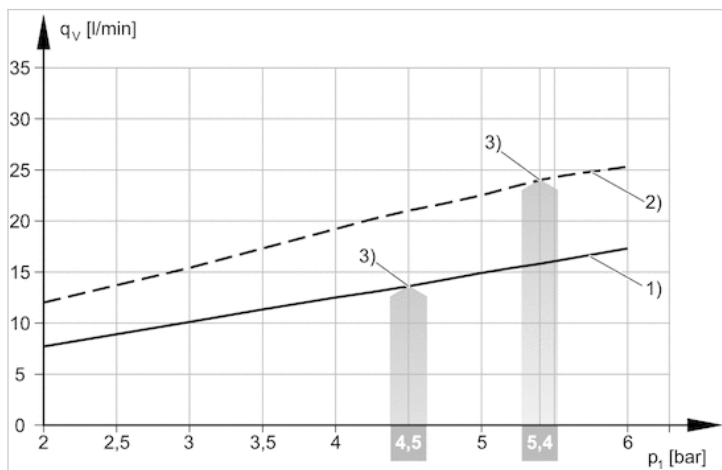
- 1) = Ø nozzle 0.5 mm
- 2) = Ø nozzle 0.7 mm
- 3) optimum working pressure

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



1) = \varnothing nozzle 0.5 mm 2) = \varnothing nozzle 0.7 mm

Air consumption q_v depending on working pressure p_1



1) = \varnothing nozzle 0.5 mm 2) = \varnothing nozzle 0.7 mm
3) optimum working pressure