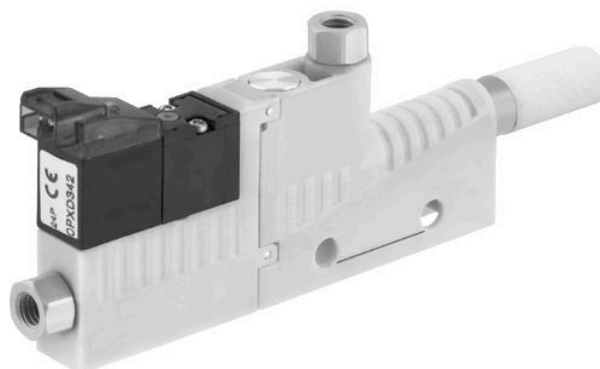


## AVENTICS Series EBS Ejectors

The AVENTICS Series EBS ejectors are the convincing and talented multi-taskers within the AVENTICS ejector Series. Parallel to the main advantages of this ejector Series, these ejectors offer additional benefits due to their enormous versatility.



### Technical data

|                                    |                              |
|------------------------------------|------------------------------|
| Industry                           | Industrial                   |
| Activation                         | Electrically                 |
| Note                               | Thread connection            |
| Type                               | Ejector                      |
| Version                            | electrical control, T-design |
| with silencer                      | with silencer                |
| Nozzle Ø                           | 0.7 mm                       |
| Min. working pressure              | 3 bar                        |
| Max. working pressure              | 6 bar                        |
| Min. ambient temperature           | 0 °C                         |
| Max. ambient temperature           | 50 °C                        |
| Min. medium temperature            | 0 °C                         |
| Max. medium temperature            | 50 °C                        |
| Medium                             | Compressed air               |
| Min. oil content of compressed air | 0 mg/m <sup>3</sup>          |
| Max. oil content of compressed air | 1 mg/m <sup>3</sup>          |
| Max. particle size                 | 5 µm                         |
| Compressed air connection          | M5                           |
| Vacuum connection+                 | M5                           |

# Ejector, Series EBS

2024-02-20

R412007769

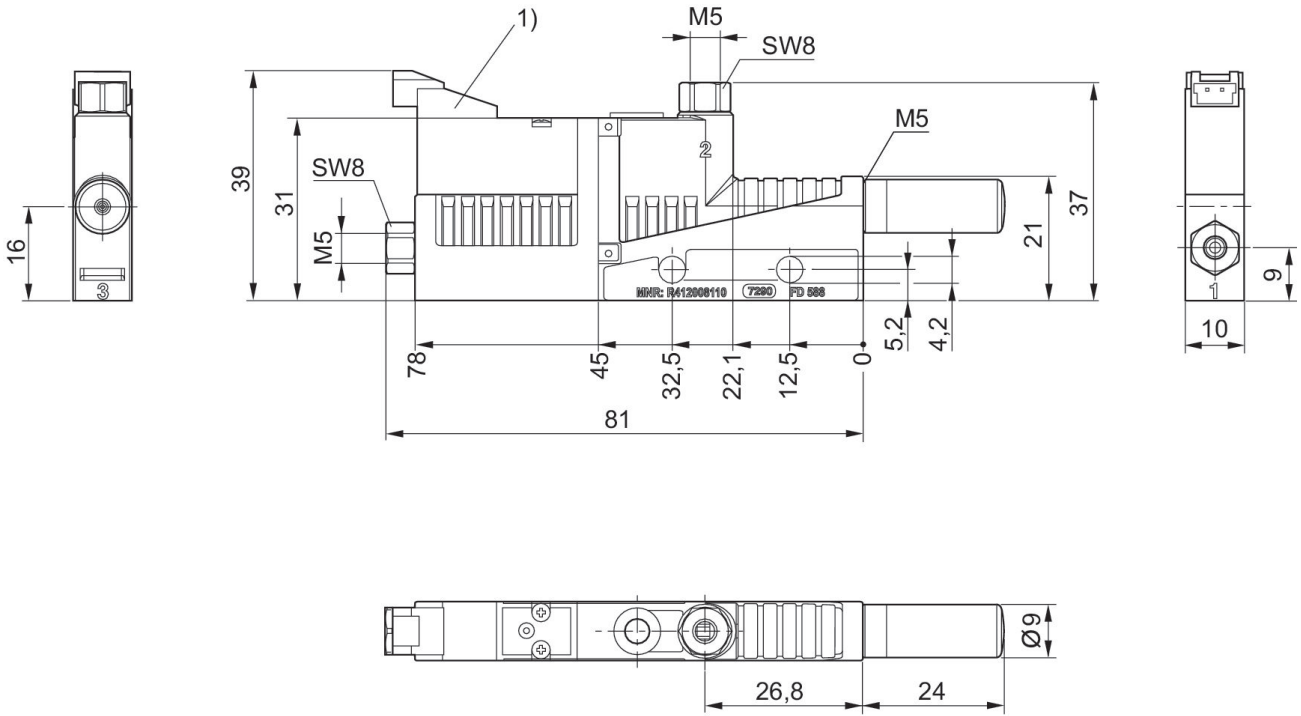
---

|  |                                  |
|--|----------------------------------|
| Max. suction capacity  | 16.8 l/min                       |
| Air consumption at p.opt.  | 24 l/min                         |
| Max. vacuum level at p.opt   | 85 %                             |
| Sound pressure level intake effect   | 59 dB                            |
| Sound pressure level intake effect   | 65 dB                            |
| Display  | LED                              |
| Protection class according to EN 60529:2000,<br>without electrical connector | IP40                             |
| Operational voltage DC   | 24 V                             |
| Voltage tolerance DC   | - 5% / +10%                      |
| Power consumption solenoid valve   | 1.3 W                            |
| Weight   | 0.027 kg                         |
| Housing material   | Polyamide fiber-glass reinforced |
| Seal material  | Acrylonitrile butadiene rubber   |
| Nozzle material  | Aluminum                         |
| Material threaded bushing  | Aluminum                         |
| Surface threaded bushing   | anodized                         |
| Silencer material  | Polyethylene                     |
| Part No.   | R412007769                       |

## Technical information

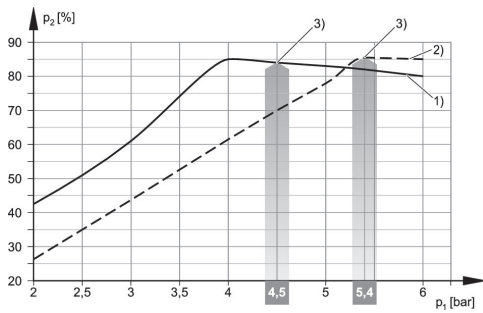
Note: All data refers to an ambient pressure of  $[[1,013]]$  bar] and an ambient temperature of  $[[20]]^{\circ}\text{C}$ .  
The pressure dew point must be at least  $15^{\circ}\text{C}$  less than ambient and medium temperature and may not exceed  $3^{\circ}\text{C}$ .

## Dimensions



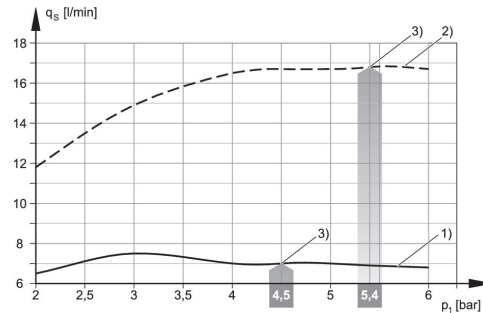
1) Solenoid valve for vacuum ON/OFF

## Vacuum $p_2$ depending on working pressure $p_1$



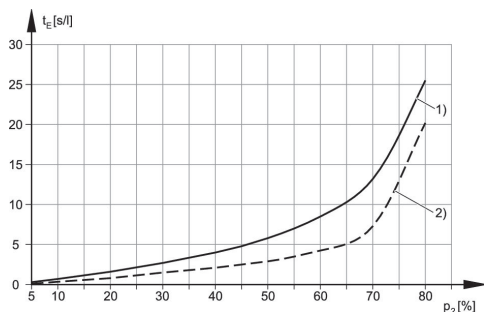
1) =  $\varnothing$  nozzle 0.5 mm 2) =  $\varnothing$  nozzle 0.7 mm  
3) optimum working pressure

## Suction capacity $q_s$ depending on working pressure $p_1$



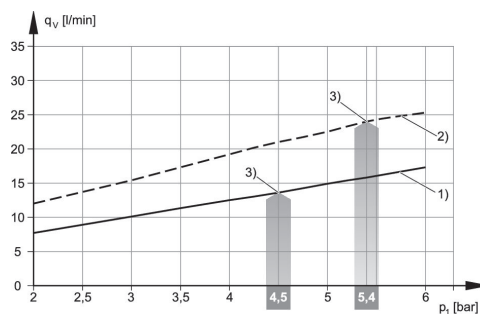
1) =  $\varnothing$  nozzle 0.5 mm 2) =  $\varnothing$  nozzle 0.7 mm  
3) optimum working pressure

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



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