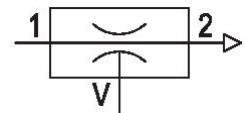


AVENTICS Series EBS Ejectors

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	Pneumatically
Note	push-in fitting
Type	Ejector
Version	pneumatic control, inline form
Nozzle Ø	0.7 mm
Min. working pressure	3 bar
Max. working pressure	6 bar
Min. ambient temperature	0 °C
Max. ambient temperature	60 °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
Compressed air connection	Ø 4
Vacuum connection+	Ø 4
Max. suction capacity	15.9 l/min

Ejector, Series EBS

2024-02-20

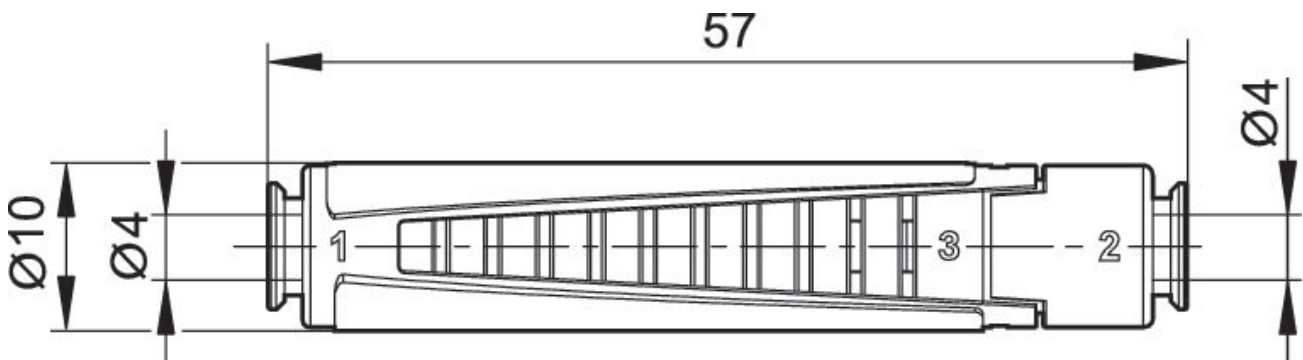
R412007448

Air consumption at p.opt.	25 l/min
Max. vacuum level at p.opt	85 %
Sound pressure level intake effect	63 dB
Sound pressure level intake effect	63 dB
Weight	0.005 kg
Housing material	Polyamide fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber
Nozzle material	Aluminum
Material release ring	Polyamide
Part No.	R412007448

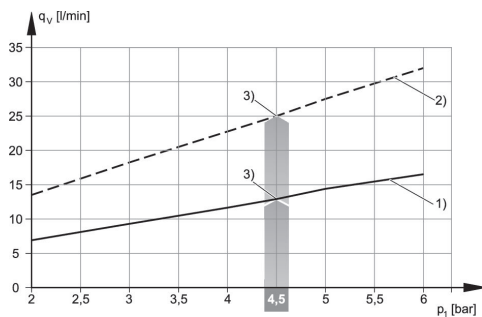
Technical information

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 .

Dimensions

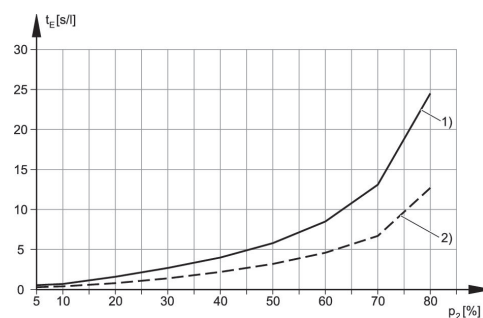


Air consumption q_v depending on working pressure p_1



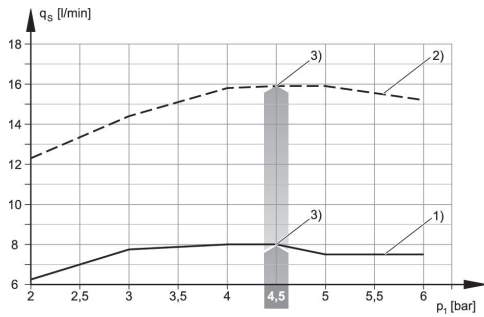
1) = \varnothing nozzle 0.5 mm 2) = \varnothing nozzle 0.7 mm
3) optimum working pressure

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



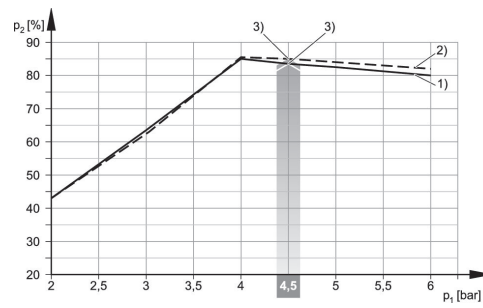
1) = \varnothing nozzle 0.5 mm 2) = \varnothing nozzle 0.7 mm

Suction capacity q_s depending on working pressure p_1



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

Vacuum p_2 depending on working pressure p_1



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