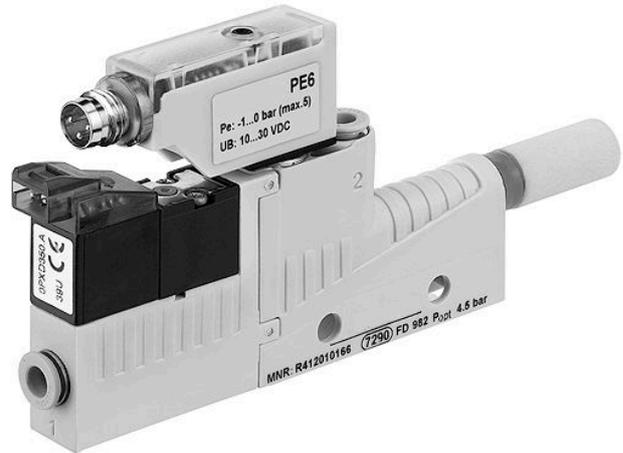


## AVENTICS Series EBS Ejectors

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	push-in fitting
Type	Ejector
Version	electrical control, T-design
with silencer	with silencer
Nozzle Ø	0.7 mm
vacuum switch	electronic adjustable
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	Ø 4

# Ejector, Series EBS

2024-02-20

R412010167

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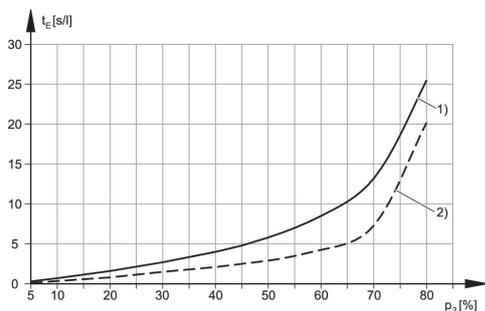
Vacuum connection+	Ø 4
Max. suction capacity	16.8 l/min
Air consumption at p.opt.	24 l/min
Max. vacuum level at p.opt	85 %
Sound pressure level intake effect	59 dB
Sound pressure level intake effect	65 dB
Protection against overpressure (max.)	5 bar
Protection class	IP40
Duty cycle according to DIN VDE 0580 standard	100 %
Operational voltage DC	24 V
Hysteresis	2% of the final value, fixed
Precision (% of full scale value)	± 3 %
Repeatability (% of full scale value)	± 1 %
Voltage tolerance DC	- 5% / +10%
Power consumption solenoid valve	1.3 W
Switching point	adjustable 0 ... 100%
Weight	0.033 kg
Housing material	Polyamide fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber
Nozzle material	Aluminum
Silencer material	Polyethylene
Material pressure sensor	Polycarbonate
Part No.	R412010167

## 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 less than ambient and medium temperature and may not exceed 3 °C.

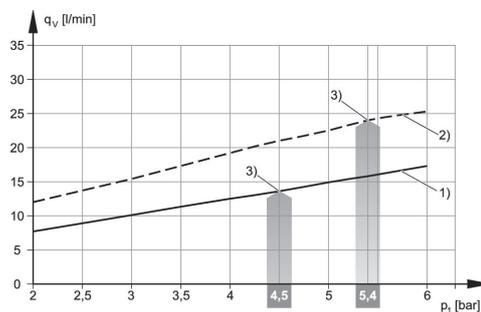


Evacuation time  $t_E$  depending on vacuum  $p_2$  for 1 l volume (with optimal operating pressure  $p_{1opt}$ )



1) = Ø nozzle 0.5 mm 2) = Ø nozzle 0.7 mm

Air consumption  $q_v$  depending on working pressure  $p_1$



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