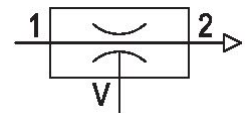## AVENTICS Series EBS Ejectors

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	0.5 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/m³
Max. oil content of compressed air	1 mg/m³
Max. particle size	5 µm
Compressed air connection	Ø 4
Vacuum connection+	Ø 4
Max. suction capacity	8 l/min

Air consumption at p.opt.	13 l/min
Max. vacuum level at p.opt	83 %
Sound pressure level intake effect	52 dB
Sound pressure level intake effect	60 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.	R412007447

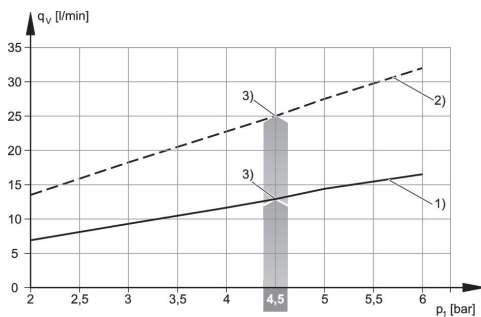## Technical information

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.

Dimensions
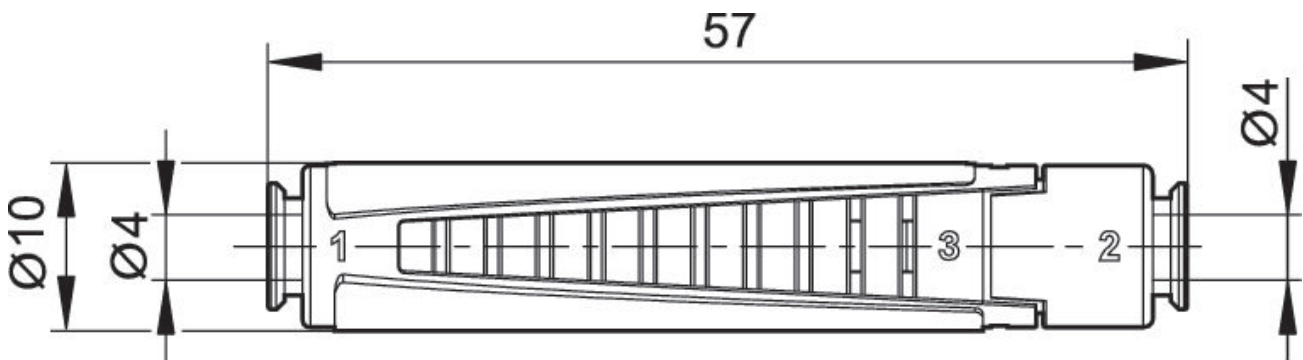
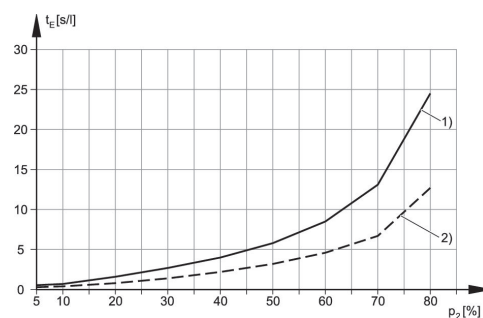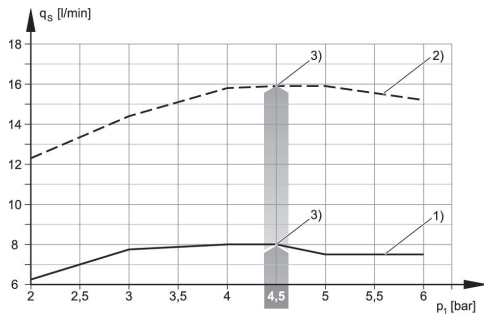## Air consumption qv depending on working pressure p1

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

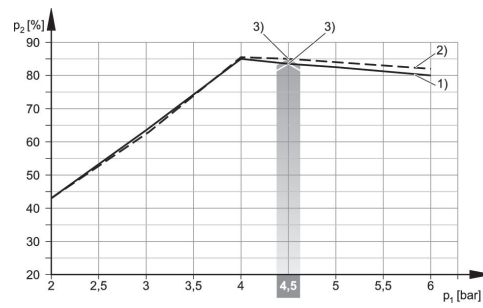## Evacuation time tE depending on vacuum p2 for 1 l volume (with optimal operating pressure p1opt)

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

Suction capacity qs depending on working pressure p1

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

Vacuum p2 depending on working pressure p1

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