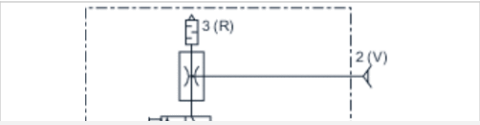
UK Office
5 Caulside Drive
Antrim
BT41 2DU
United Kingdom
+44 (0) 28 9448 1808

European Office
Unit 6, Saint Anthony's Business Park
Dublin
D22 VW95
Ireland
+353 (0) 1 4373653

Ejector, Series EBS

- push-in fitting
- 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/m³
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+
R412007764	EBS-ET-05-NC	0,5 mm	Ø 4	Ø 4
R412007765	EBS-ET-07-NC	0,7 mm	Ø 4	Ø 4

Part No.	Max. vacuum level at p.opt	Max. suction capacity	Air consumption at p.opt.
R412007764	84 %	7,5 l/min	14 l/min
R412007765	85 %	16,8 l/min	24 l/min

Part No.	Sound pressure level intake effect	Sound pressure level intake effect
R412007764	53 dB	58 dB
R412007765	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 .

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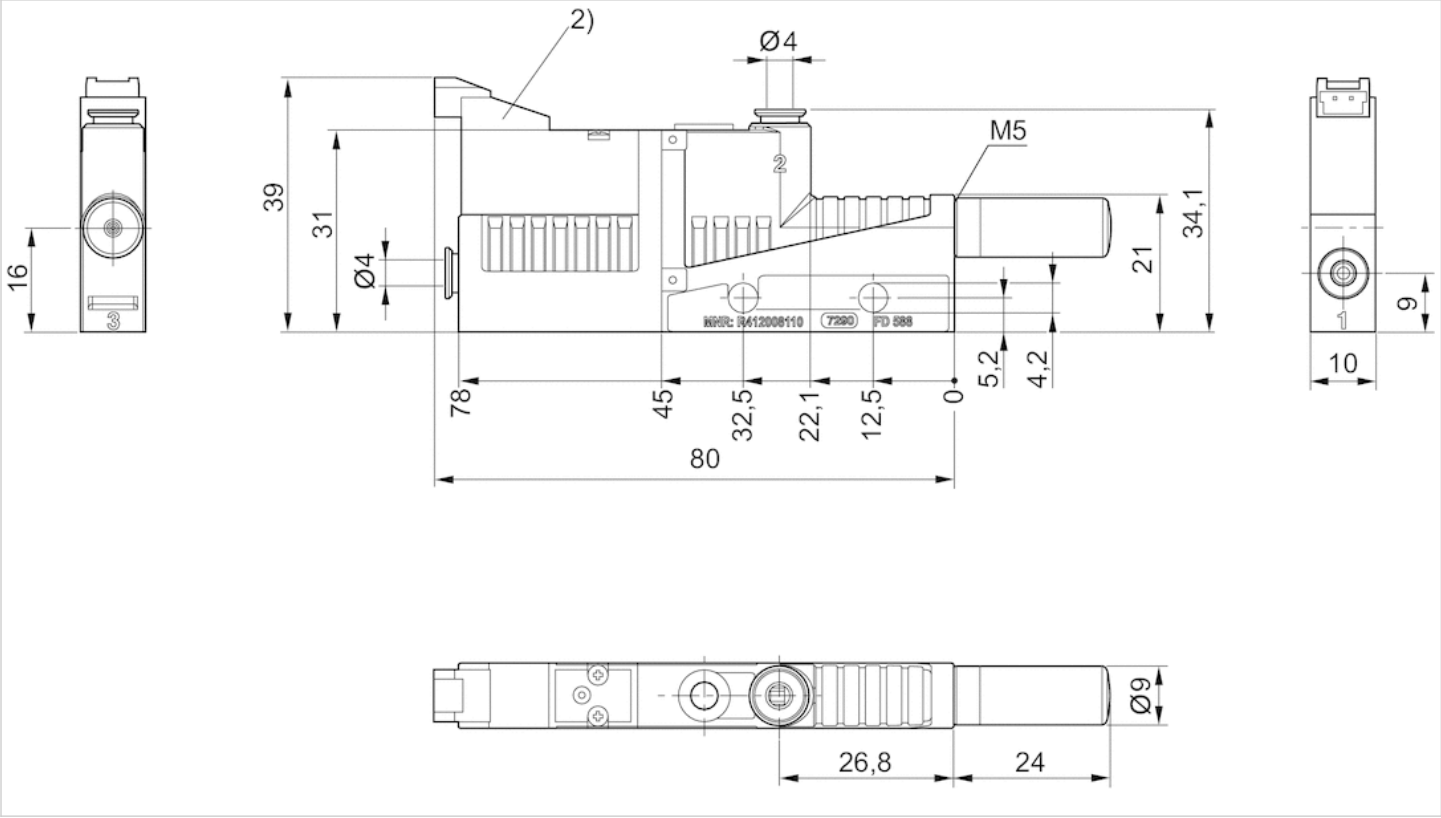
Technical information

Material	
Housing	Polyamide, fiber-glass reinforced
Seal	Acrylonitrile butadiene rubber
Nozzle	Aluminum
Release ring	Polyamide
Silencers	Polyethylene

Dimensions

Dimensions



2) Solenoid valve for vacuum ON/OFF

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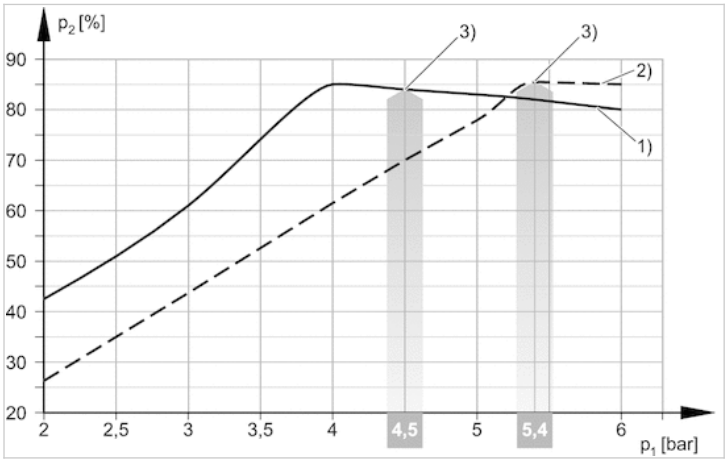
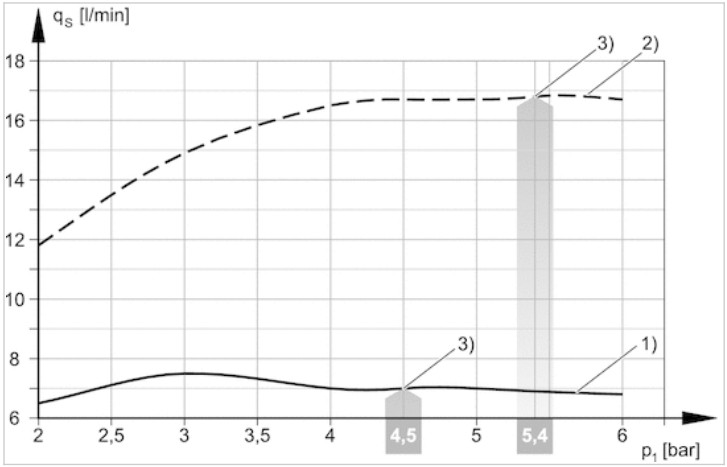
Diagrams

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 qs depending on working pressure p1



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

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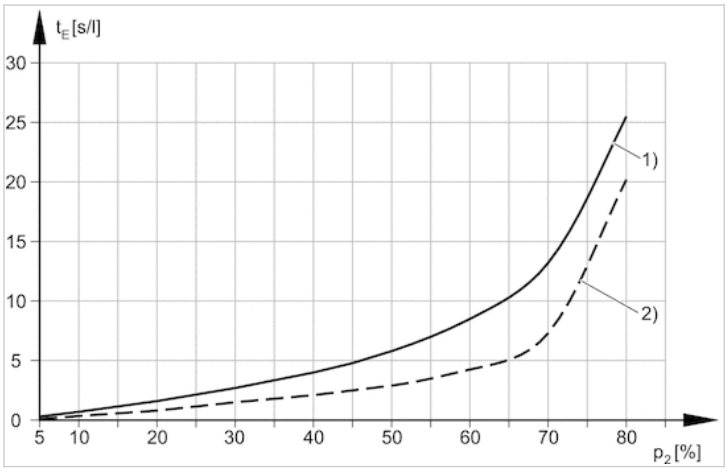
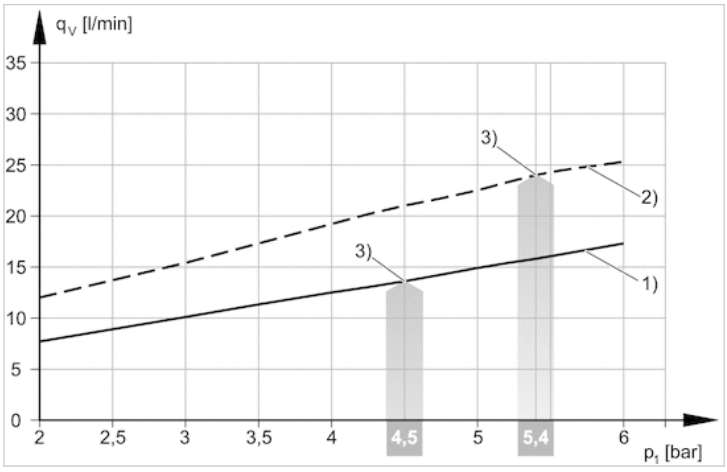
Evacuation time tE depending on vacuum p2 for 1 l volume (with optimal operating pressure



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

Air consumption qv depending on working pressure p1



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