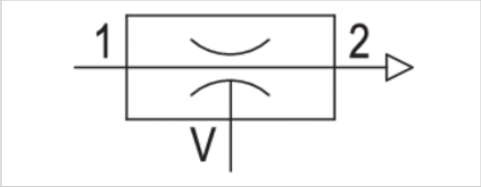
Ejector, Series EBS

- push-in fitting
- pneumatic control, T-design
- with silencer



Type	Ejector
Version	pneumatic control, T-design
Activation	pneumatically
Working pressure min./max.	3 ... 6 bar
Ambient temperature min./max.	0 ... 60 °C
Medium temperature min./max.	0 ... 60 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 1 mg/m³
Weight	See table below

Technical data

Part No.	Type	Nozzle Ø	Compressed air connection	Vacuum connection+
R412007449	EBS-PT-05-NN	0,5 mm	Ø 4	Ø 4
R412007450	EBS-PT-07-NN	0,7 mm	Ø 4	Ø 4
R412007451	EBS-PT-10-NN	1 mm	Ø 6	Ø 8
R412007452	EBS-PT-15-NN	1,5 mm	Ø 6	Ø 8
R412007453	EBS-PT-20-NN	2 mm	Ø 8	Ø 10
R412007454	EBS-PT-25-NN	2,5 mm	Ø 8	Ø 10

Part No.	Max. vacuum level at p.opt	Max. suction capacity	Air consumption at p.opt.
R412007449	84 %	7 l/min	14 l/min
R412007450	85 %	16 l/min	25 l/min
R412007451	85 %	38 l/min	48 l/min
R412007452	85 %	70 l/min	118 l/min
R412007453	86 %	123 l/min	208 l/min
R412007454	82 %	215 l/min	311 l/min

Part No.	Sound pressure level intake effect	Sound pressure level intake effect	Weight	Fig.
R412007449	53 dB	58 dB	0,007 kg	Fig. 1
R412007450	59 dB	65 dB	0,007 kg	Fig. 1
R412007451	59 dB	65 dB	0,02 kg	Fig. 2

Part No.	Sound pressure level intake effect	Sound pressure level intake effect	Weight	Fig.
R412007452	66 dB	72 dB	0,02 kg	Fig. 2
R412007453	68 dB	77 dB	0,05 kg	Fig. 3
R412007454	75 dB	78 dB	0,05 kg	Fig. 3

p.opt. = optimum working pressure

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 .

Technical information

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

Dimensions

Fig. 1

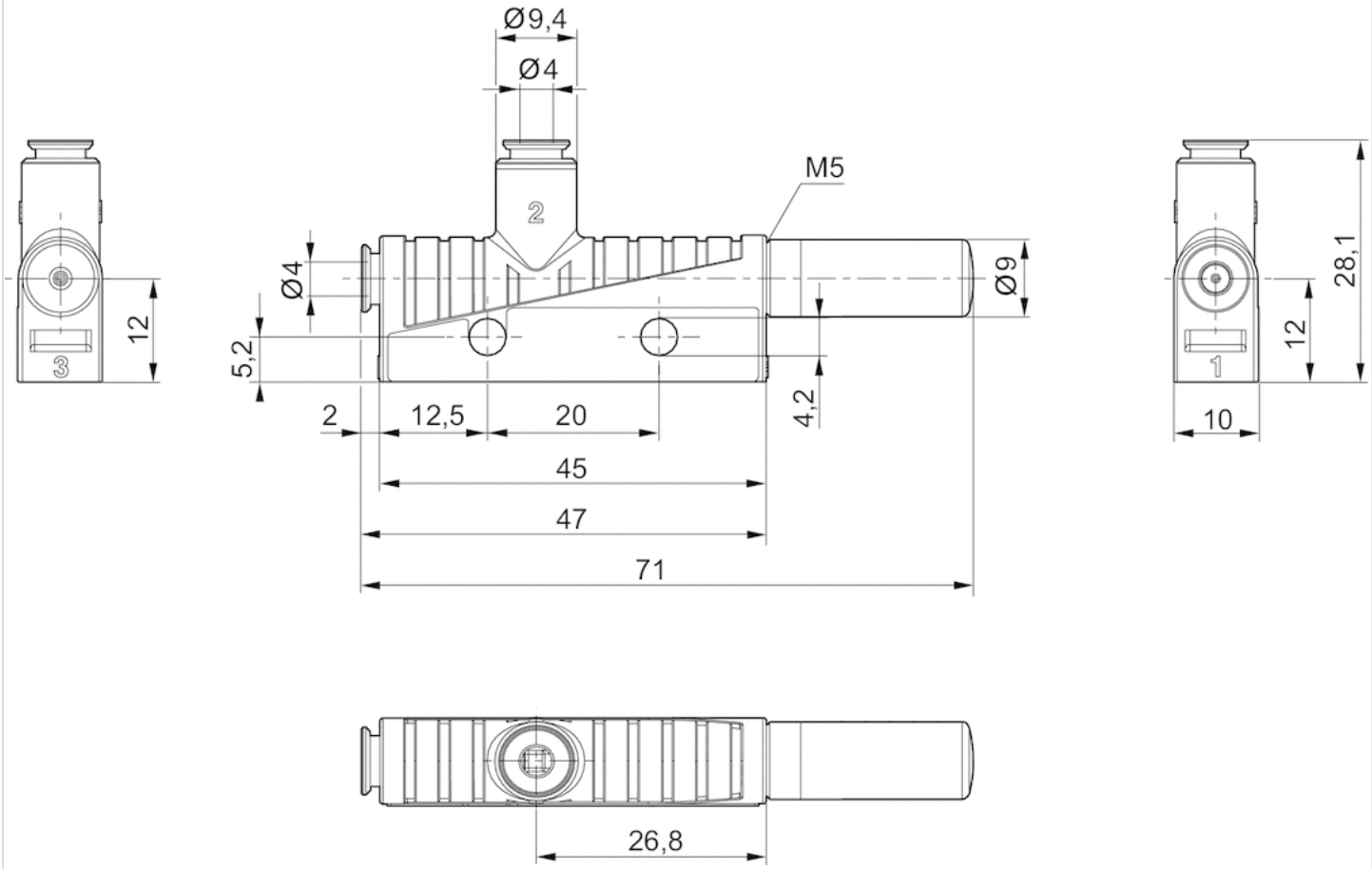


Fig. 2

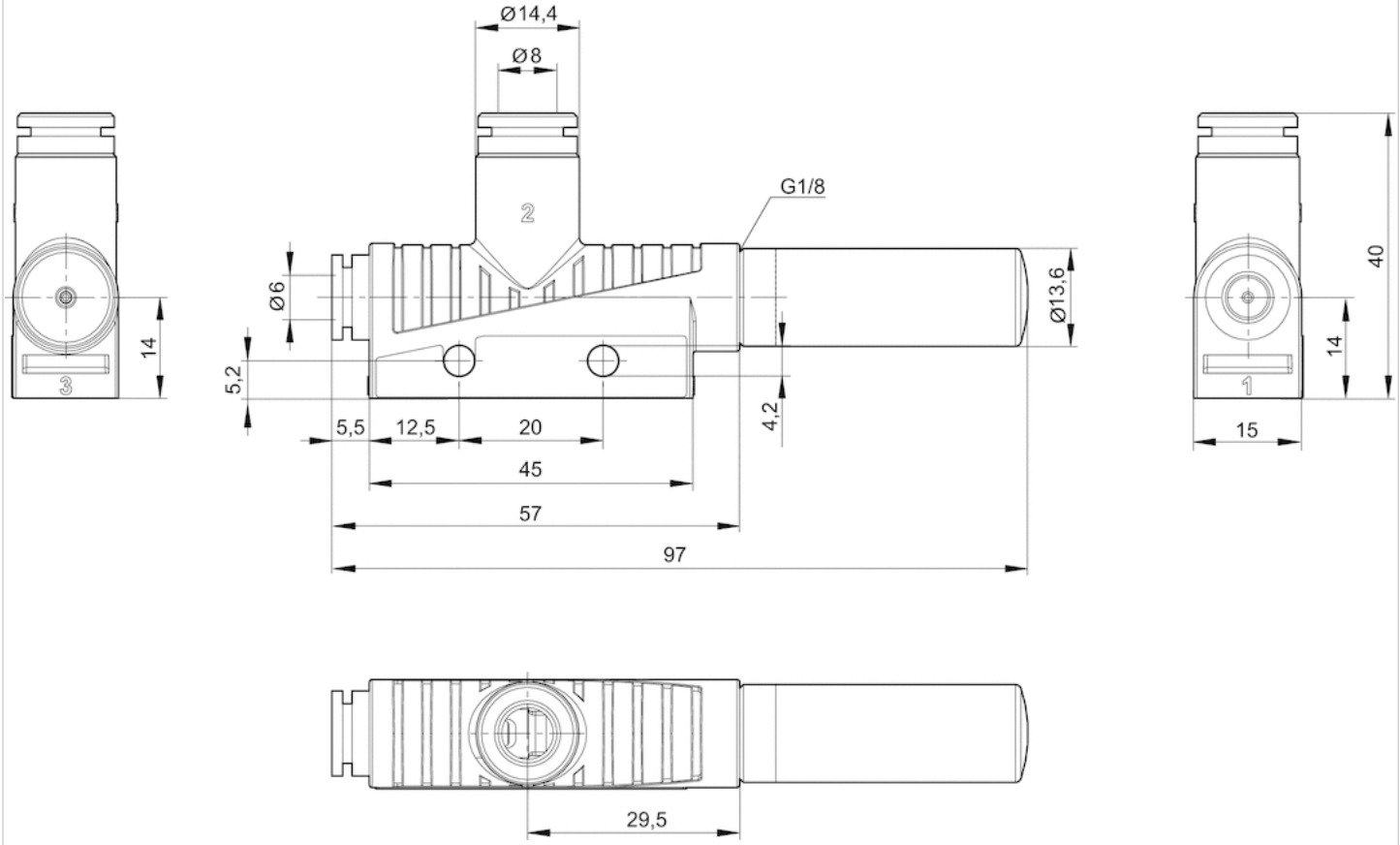
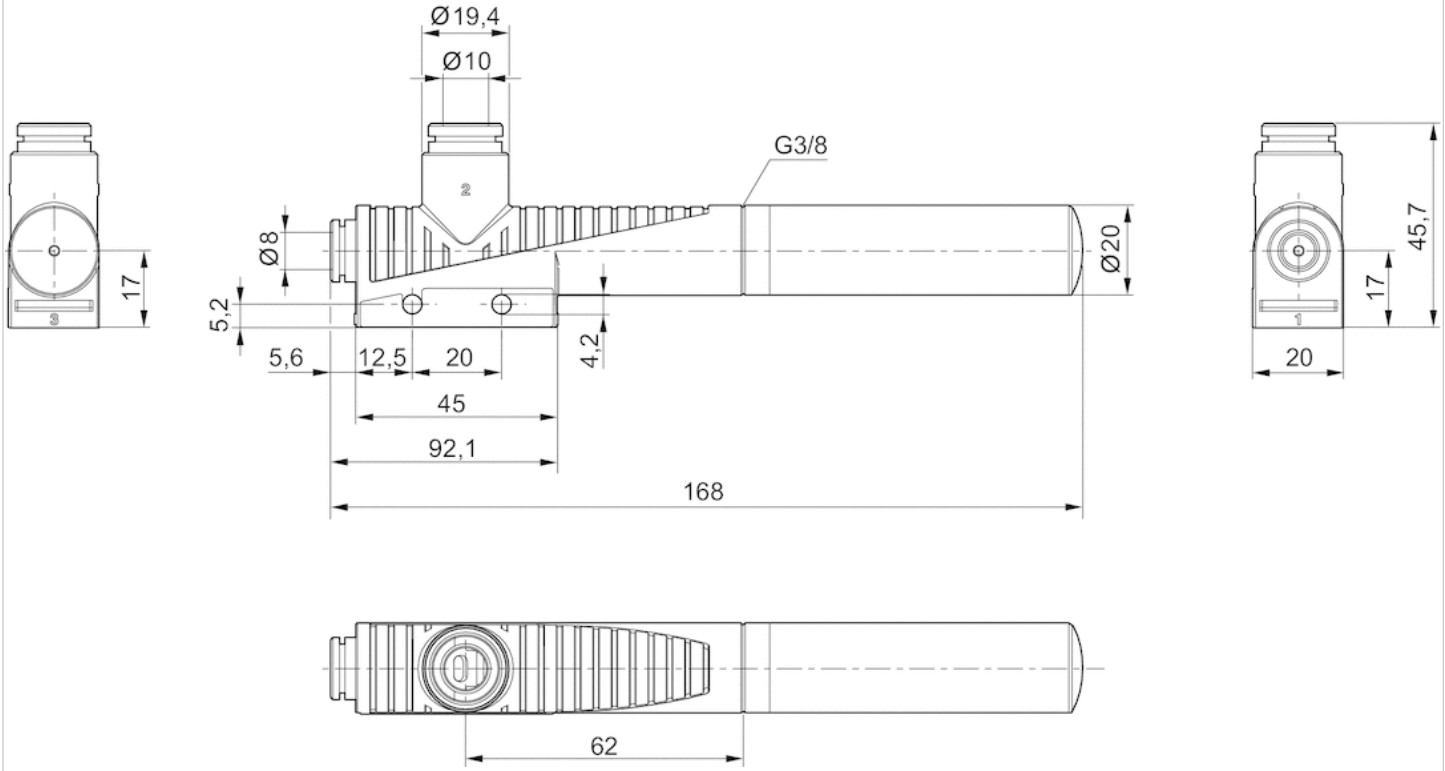
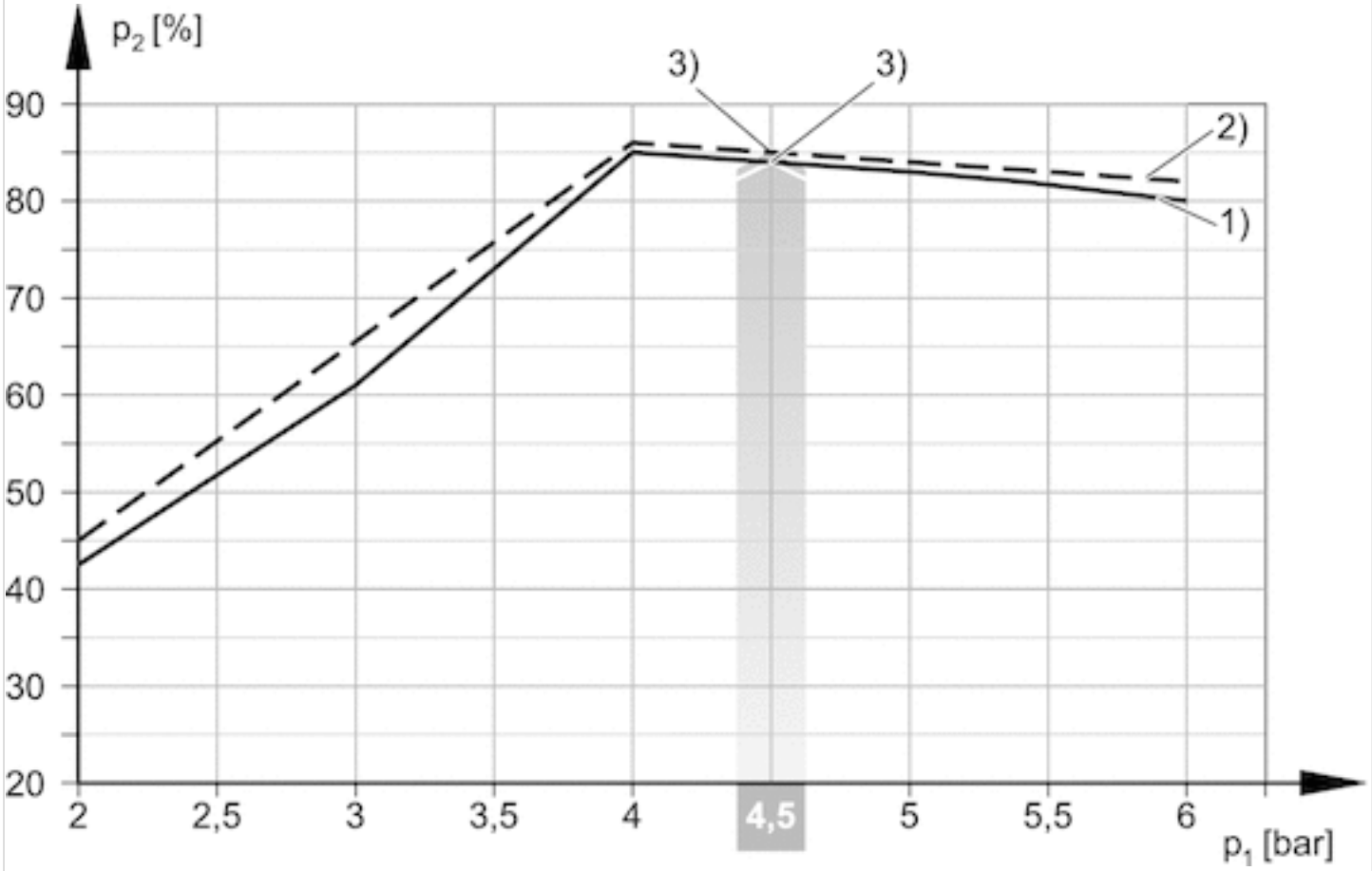


Fig. 3



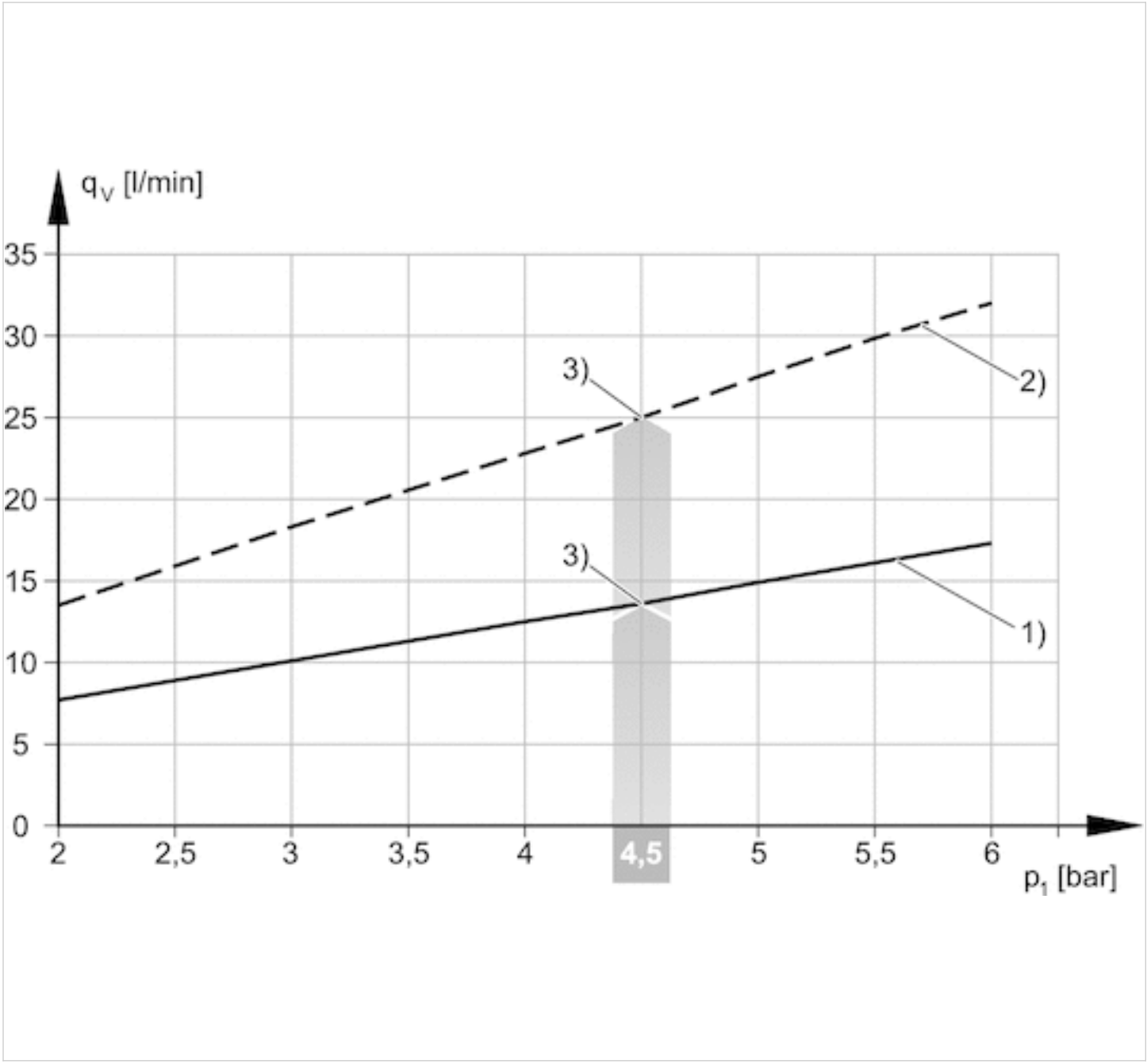
Diagrams

Vacuum p2 depending on working pressure p1



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

Air consumption qv depending on working pressure p1



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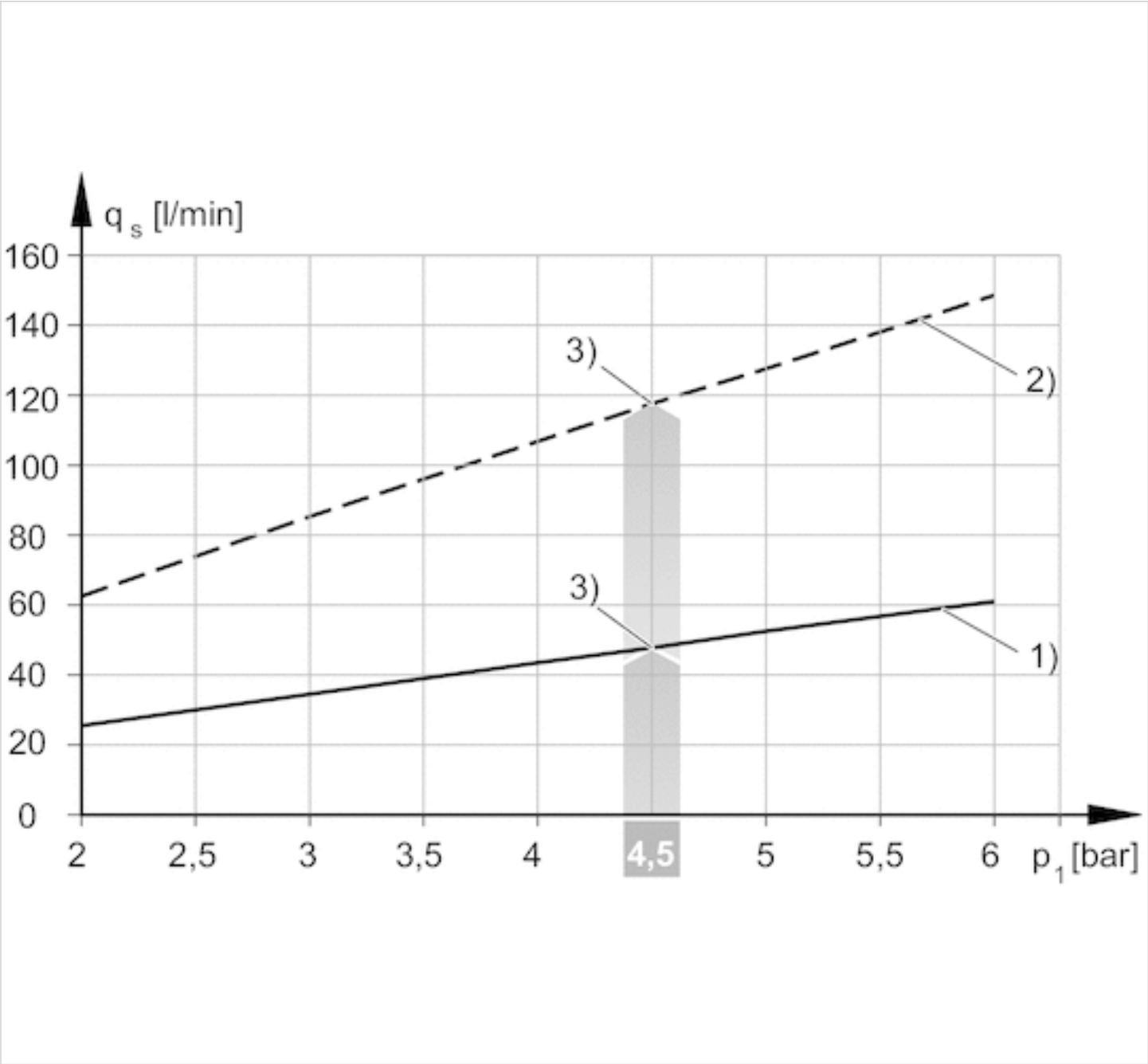

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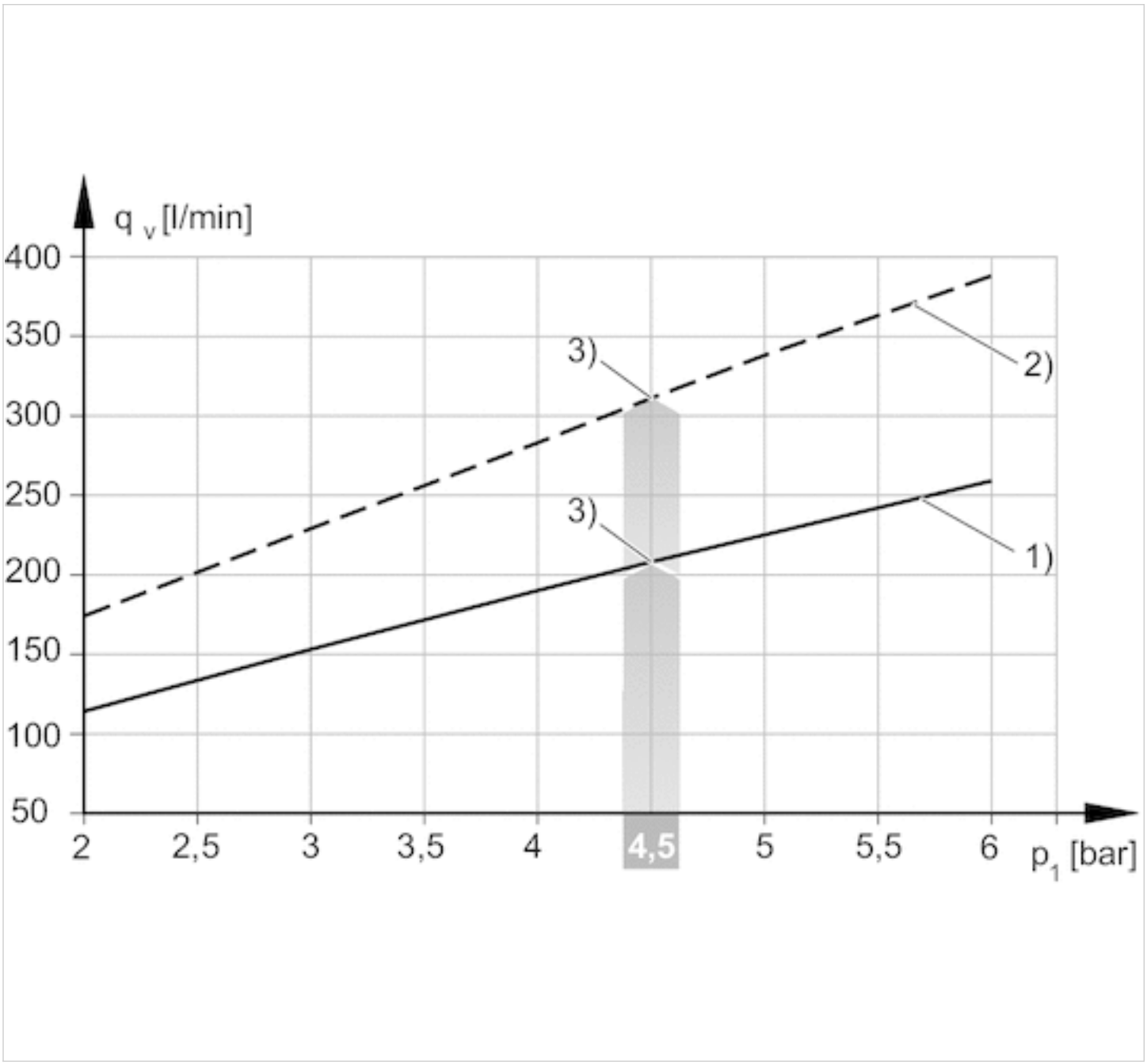

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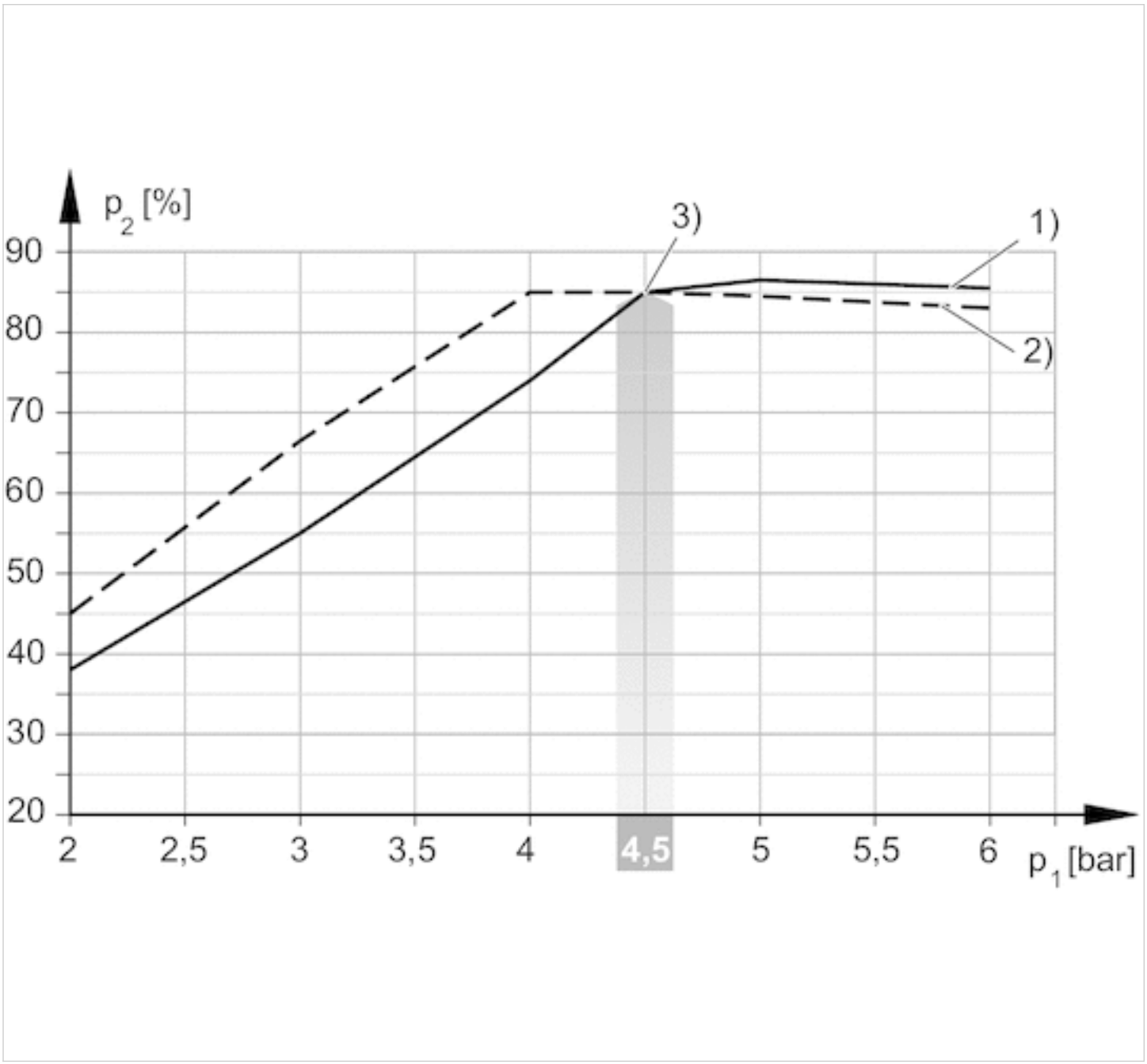

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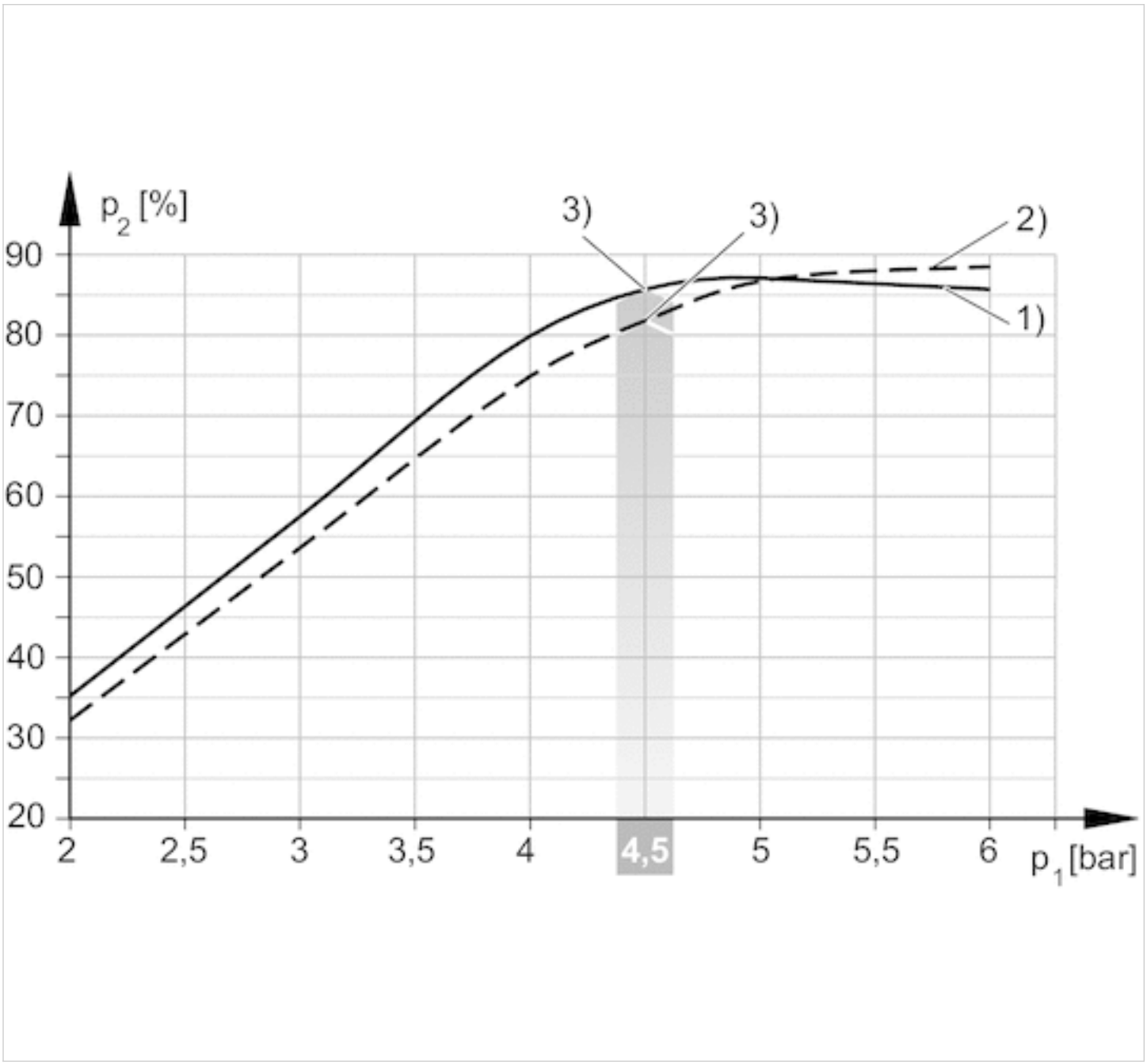

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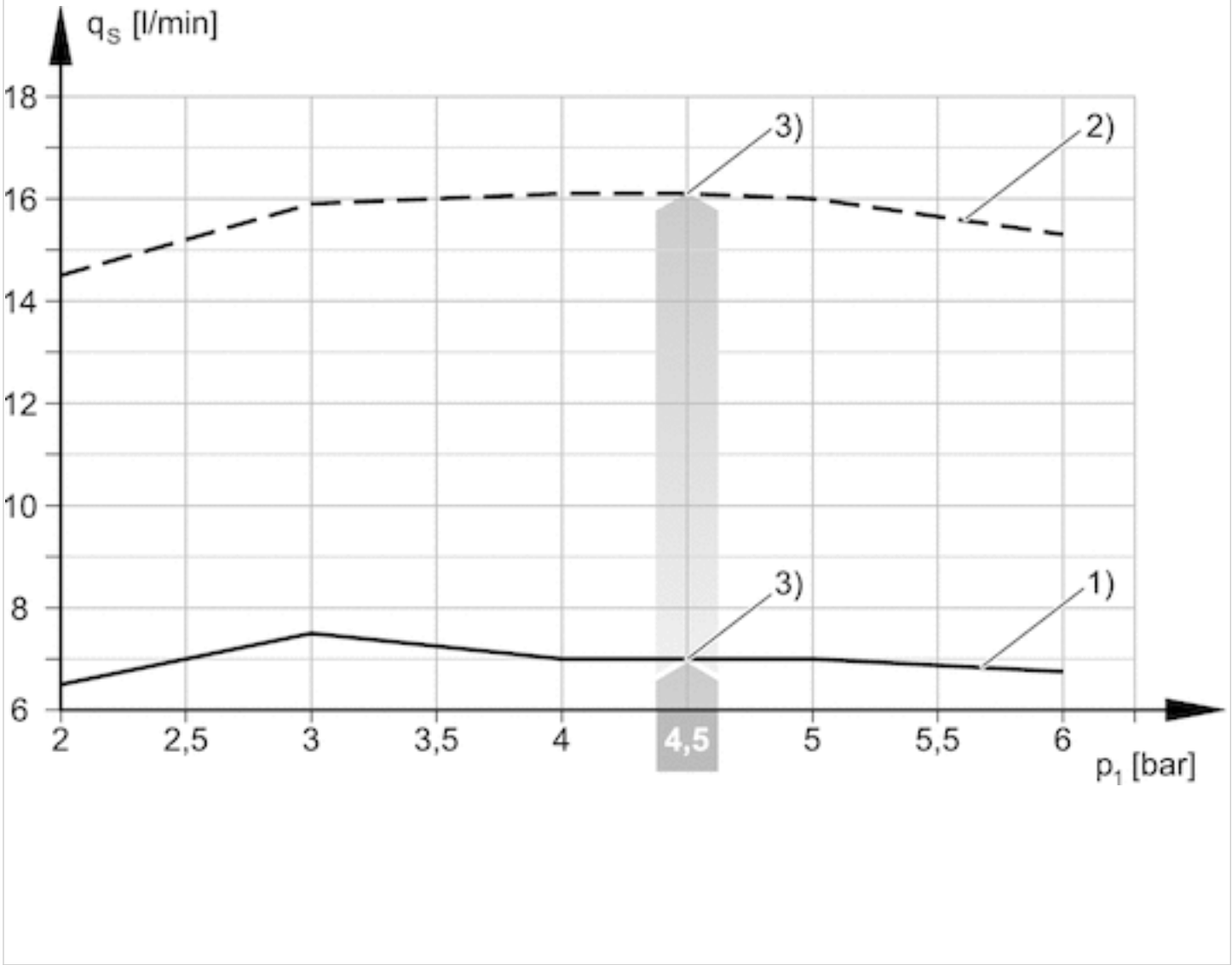
Suction capacity qs depending on working pressure p1



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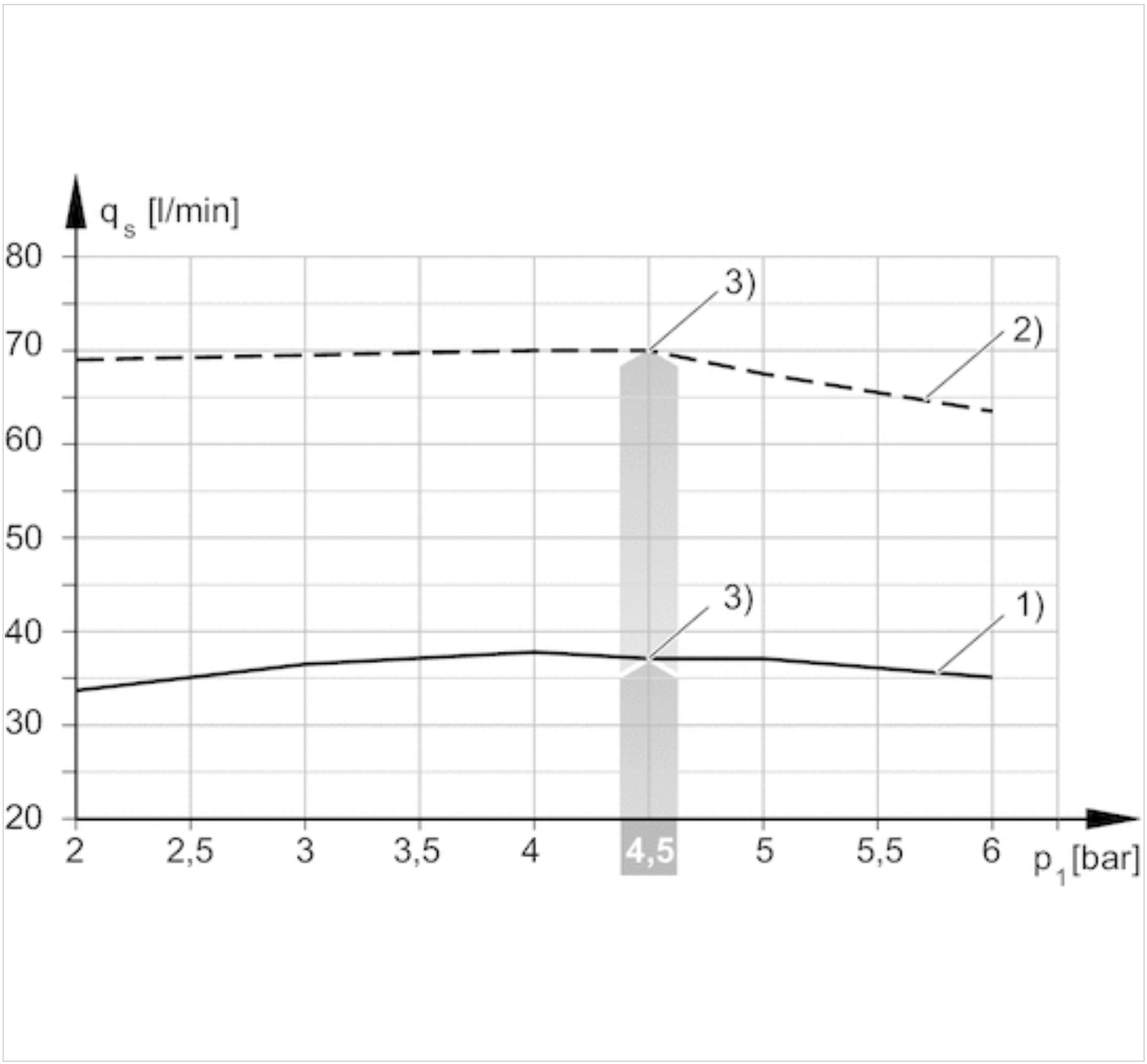

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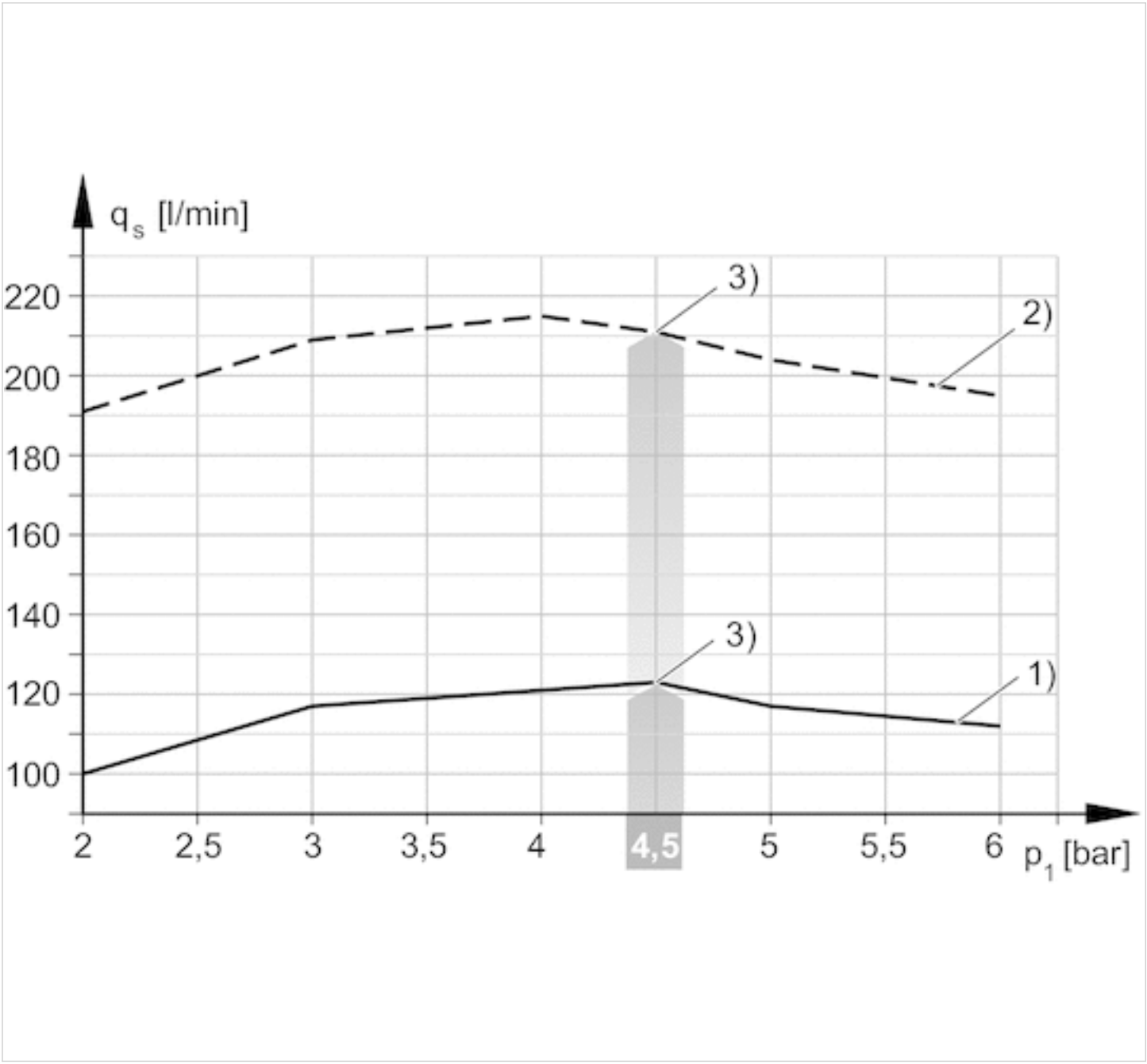

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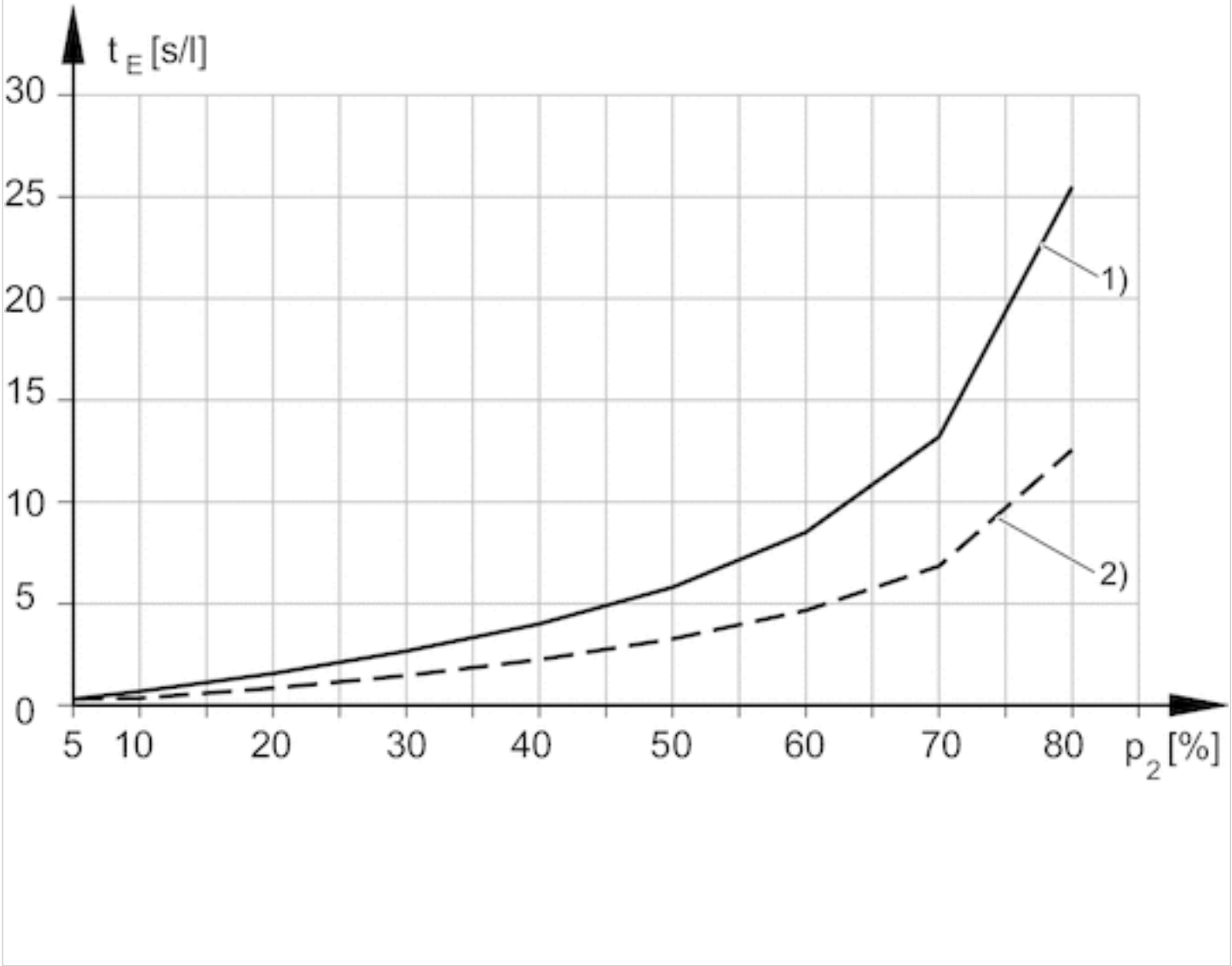
Evacuation time tE depending on vacuum p2 for 1 l volume (with optimal operating pressure p1opt)



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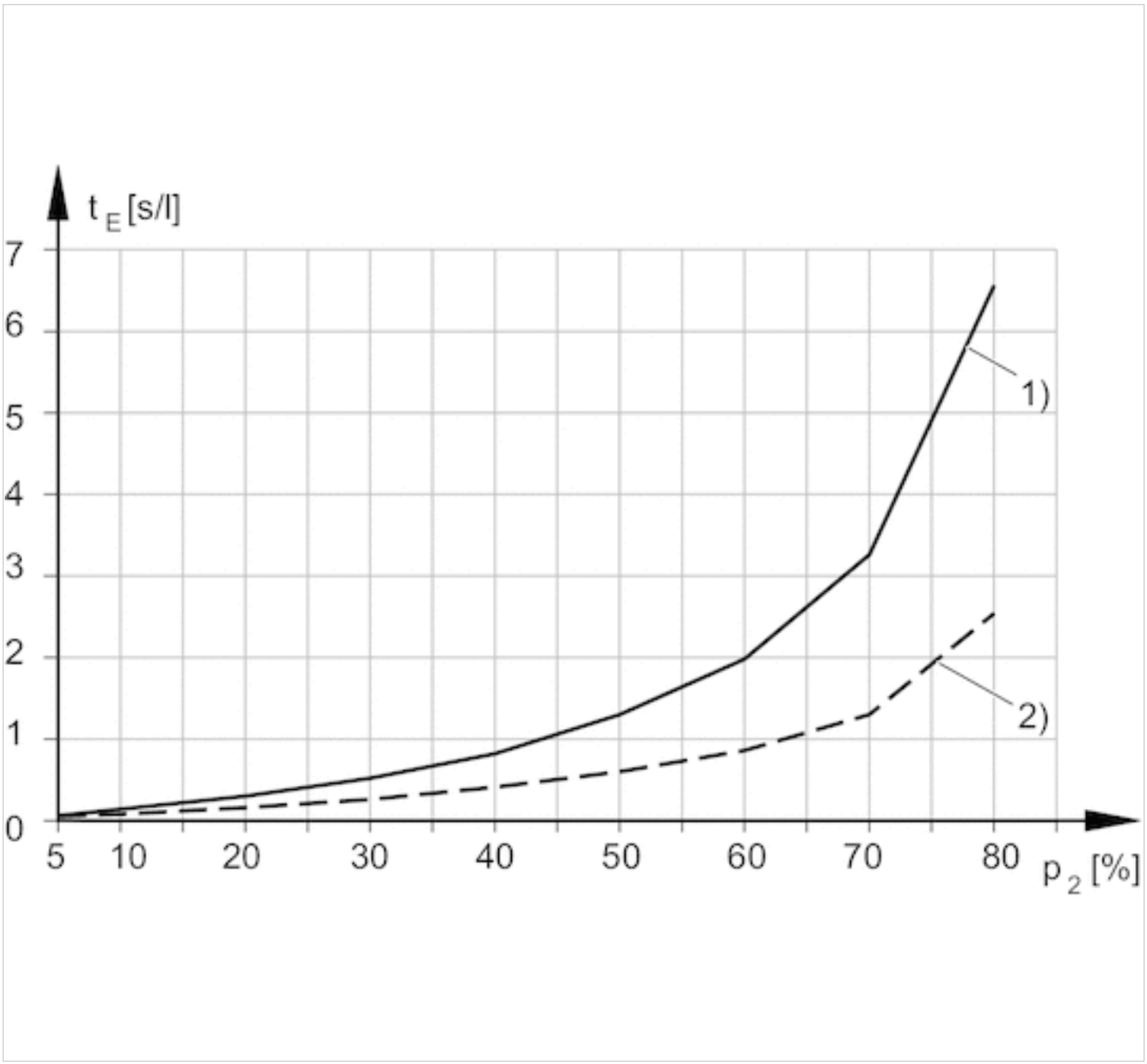

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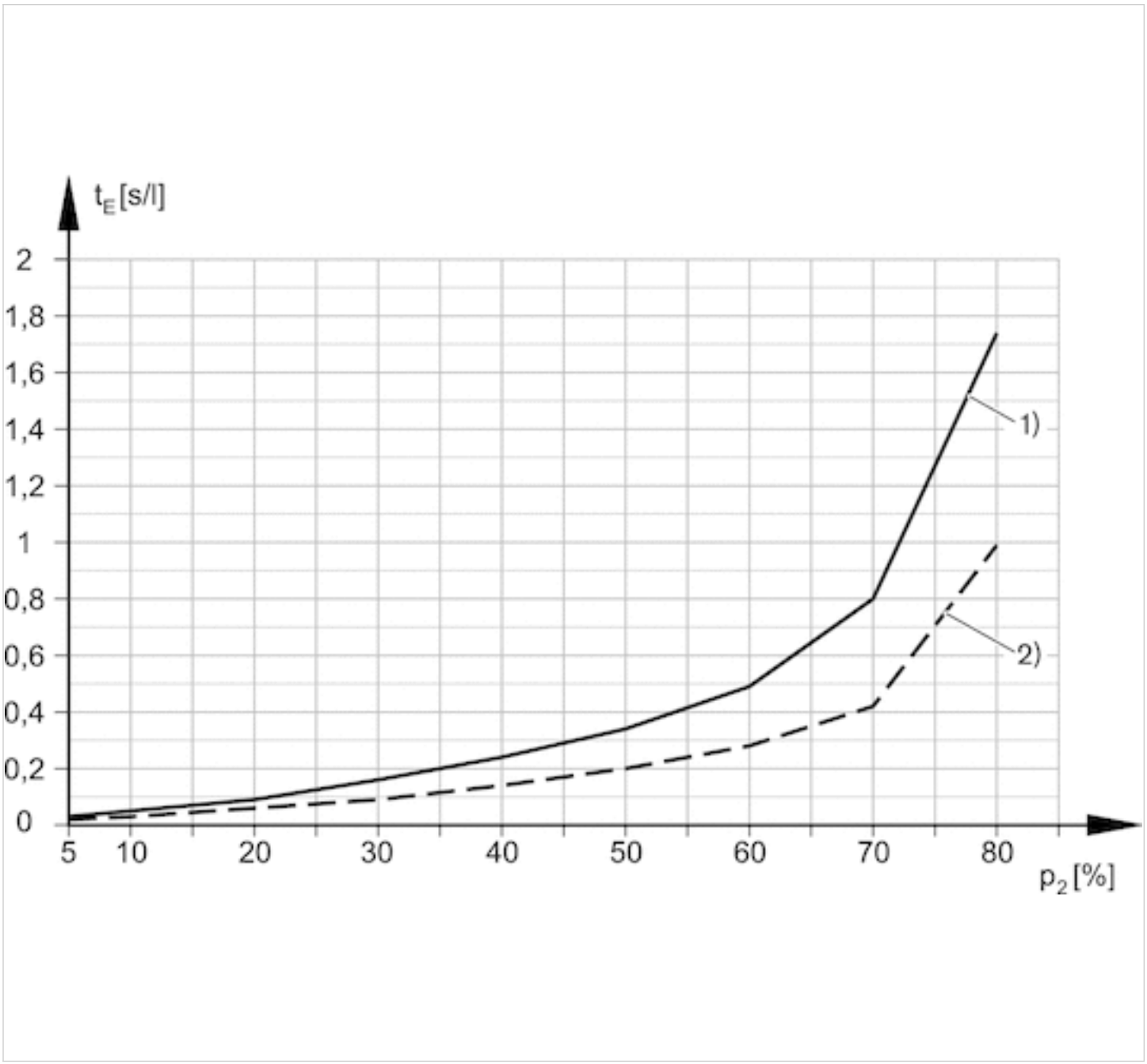

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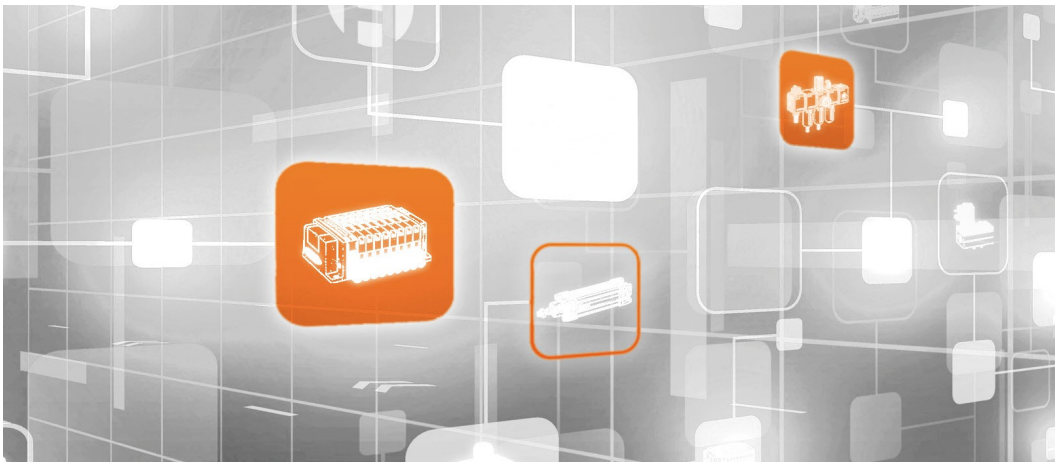

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