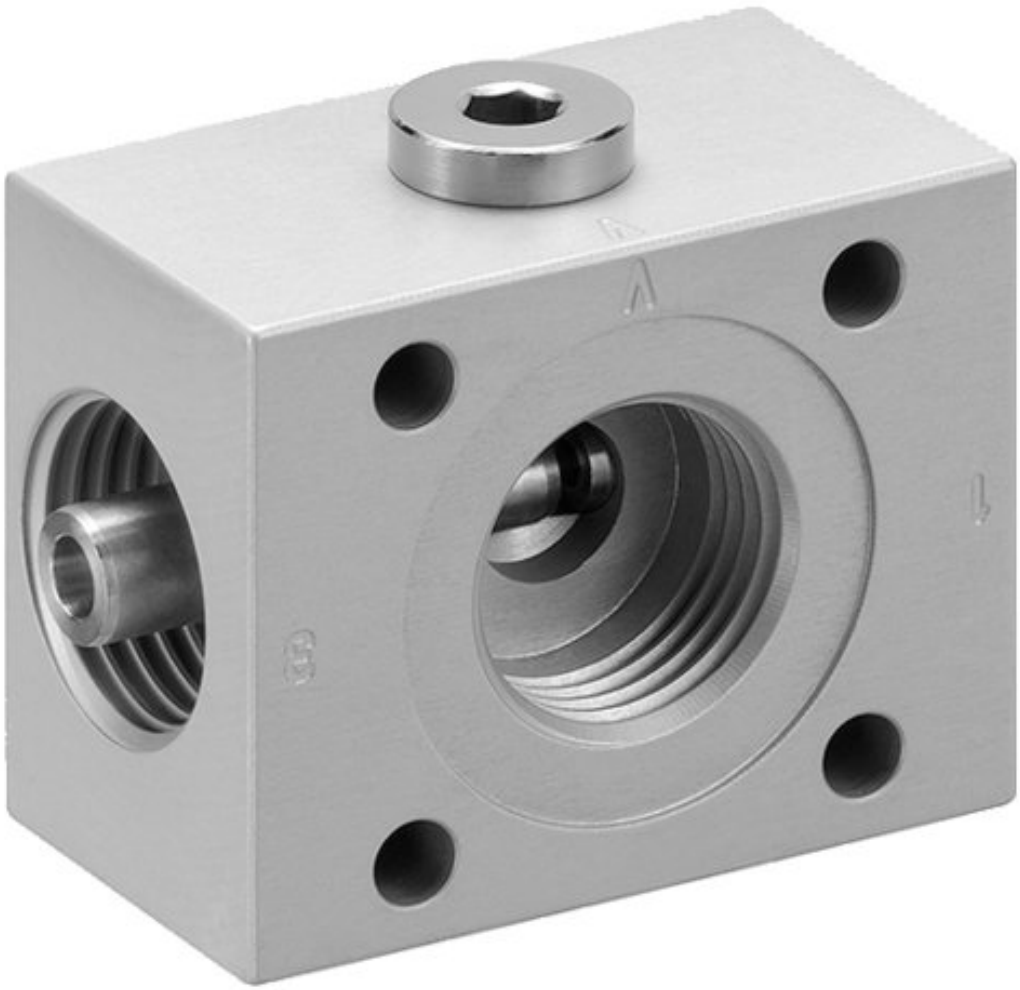
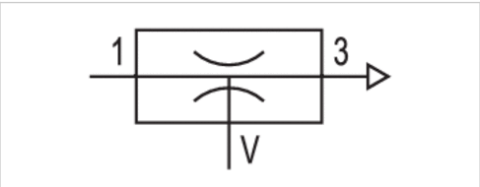
Series EBP



AVENTICS™ Series EBP

EMERSON.

Series EBP



Activation	pneumatically
Working pressure min./max.	2 ... 6 bar
Ambient temperature min./max.	0 ... 50 °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	Max. vacuum level at p.opt	Max. suction capacity
7350150000	EBP-PT-05-NN	0.5 mm	82 %	6.4 l/min
7350300000	EBP-PT-07-NN	0.7 mm	83 %	17 l/min
7350600000	EBP-PT-10-NN	1 mm	89 %	40 l/min
7351200000	EBP-PT-15-NN	1.5 mm	87 %	70 l/min
7352400000	EBP-PT-21-NN	2.1 mm	90 %	125 l/min
7354200000	EBP-PT-30-NN	3 mm	90 %	240 l/min

Part No.	Air consumption at p.opt.	Weight
7350150000	15.5 l/min	0.06 kg
7350300000	27 l/min	0.08 kg
7350600000	60 l/min	0.13 kg
7351200000	120 l/min	0.14 kg
7352400000	225 l/min	0.22 kg
7354200000	420 l/min	0.24 kg

p.opt. = optimum working pressure

Technical information

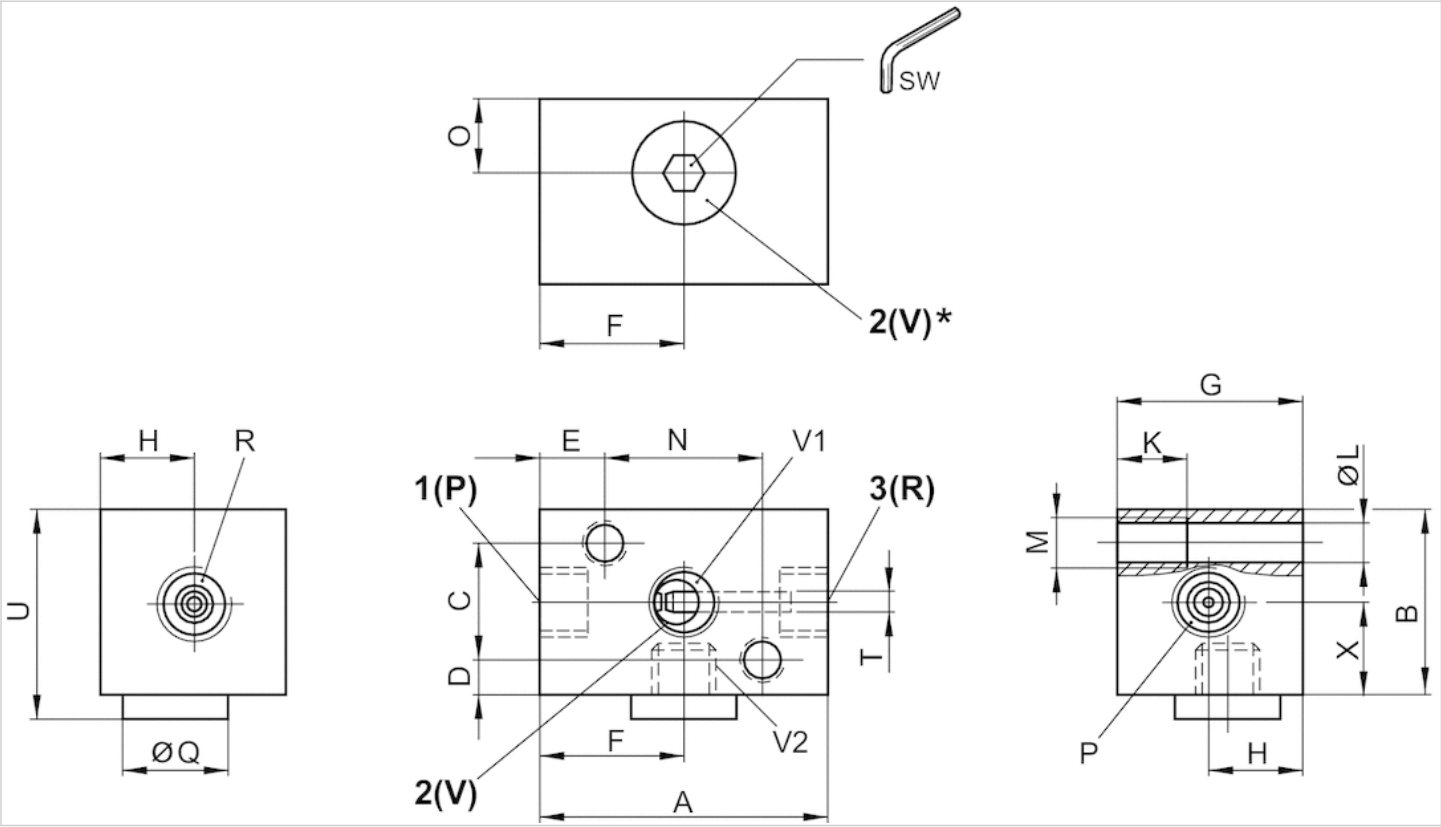
Note: All data refers to an ambient pressure of 1.013 bar and an ambient temperature of 20 °C .
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.

Technical information

Material	
Housing	Aluminum, anodized
Seal	Acrylonitrile butadiene rubber
Nozzle	Brass

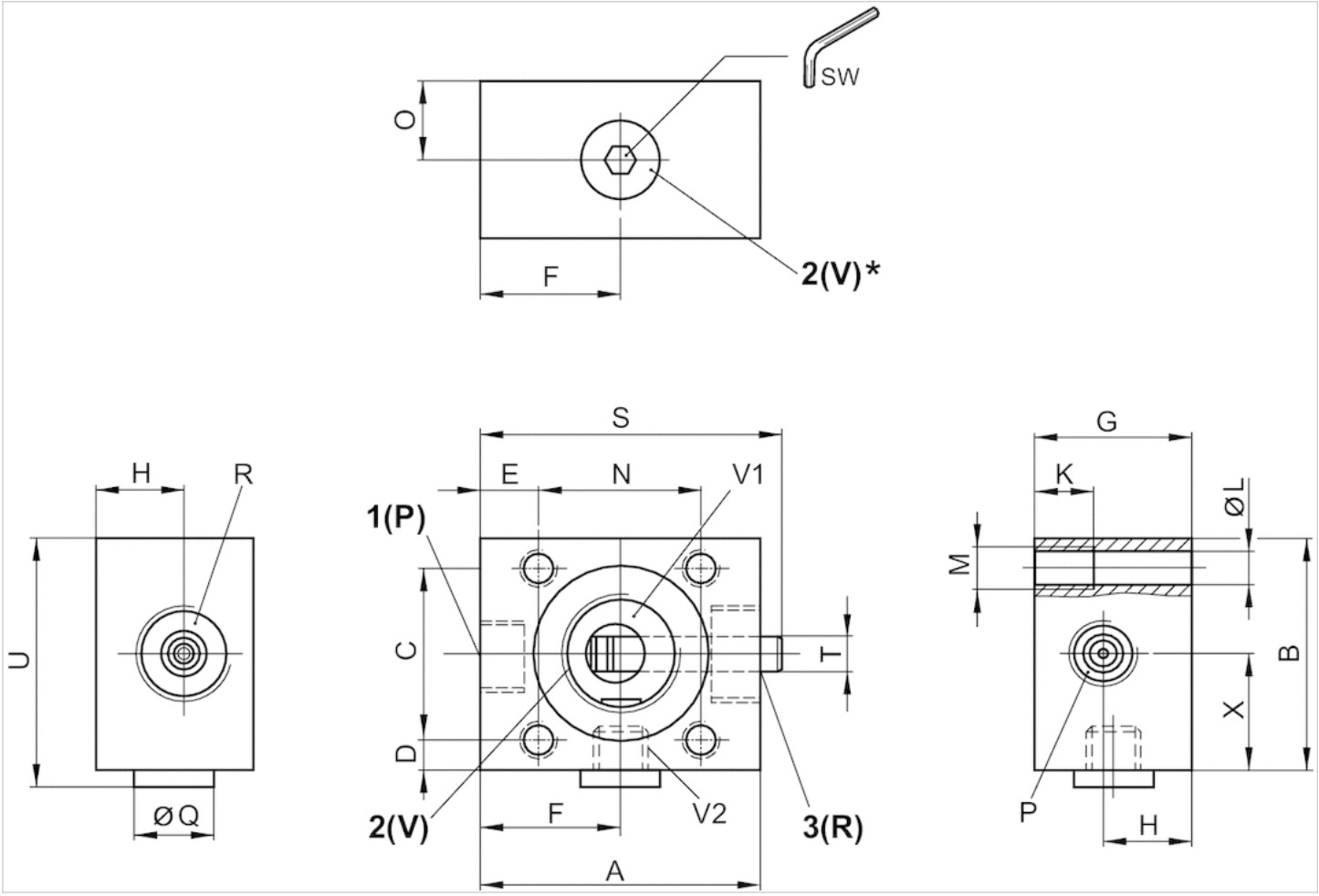
Dimensions

EBP-PT-05 / 07



* Compressed air connection for pressure sensor

EBP-PT-10 .../ -30



* Compressed air connection for pressure sensor

Dimensions

Part No.	A	B	C	D	E	F	G	H	K	Ø L	M	N	O	P 1)	Ø Q	R	S	SW	ØT
7350150000	40	25	16	4.5	9	20	25	12.5	10	5.1	M6	22	10	G 1/8x8	14	G 1/8x8	–	5	5
7350300000	50	25	16	4.5	12	23	25	12.5	10	5.1	M6	22	10	G 1/8x8	14	G 1/8x8	–	5	–
7350600000	50	40	29	5.5	10.5	25	28	15.5	12	5.1	M6	29	14	G 1/4x10	14	G 3/8x9	–	5	8
7351200000	50	40	29	5.5	10.5	25	28	15.5	12	5.1	M6	29	14	G 1/4x10	14	–	52.5	5	8
7352400000	60	40	29	5.5	10.5	25	40	21.5	12	5.1	M6	29	21.5	G 1/4x10	14	G 1x12	–	5	–
7354200000	60	40	29	5.5	10.5	25	40	21.5	12	5.1	M6	29	21.5	G 1/4x10	14	G 1x12	–	5	–

U	V1 2)	V2 3)	X
28	G 1/8x8	G 1/8x7	12,5
28.5	G 1/8x8	G 1/8x7	12,5
43	G 1/2x9	G 1/8x8	20
43	G 1/2x9	G 1/8x8	20
43	G 1/2x9	G 1/8x8	20
43	G 1/2x9	G 1/8x8	20

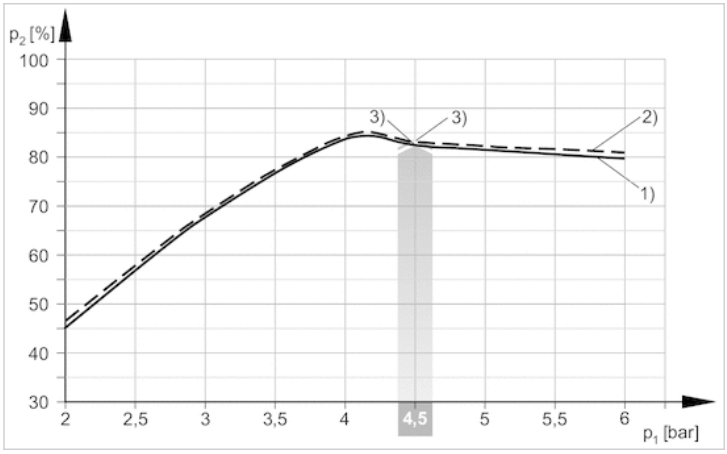
1) Inlet

2) Suction connection

3) Variable connection for vacuum

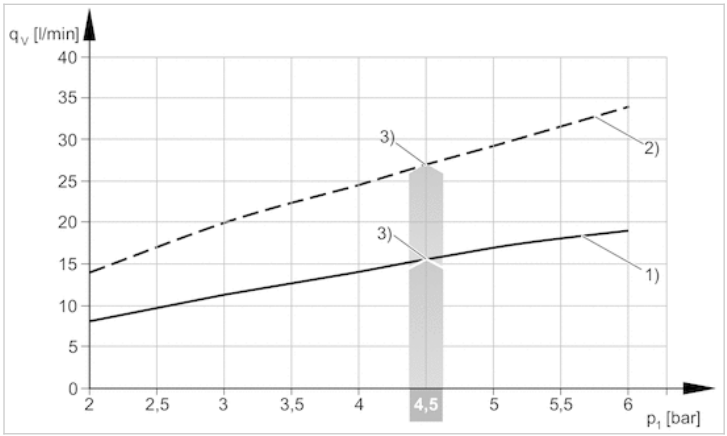
Diagrams

Vacuum p2 depending on working pressure p1

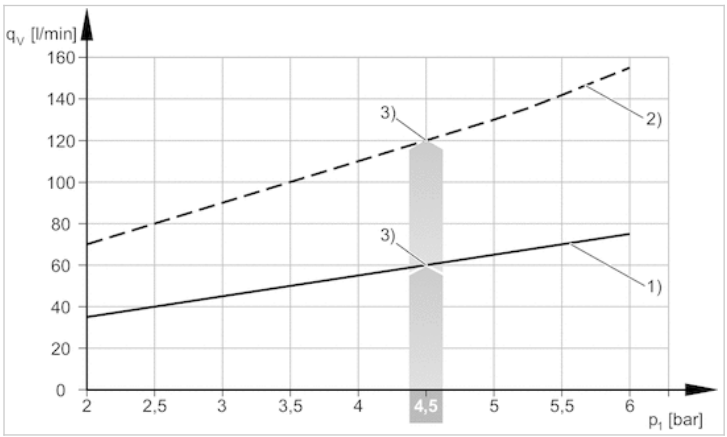


1) Ø nozzle 0.5 mm
2) Ø nozzle 0.7 mm
3) optimum working pressure

Air consumption qv depending on working pressure p1

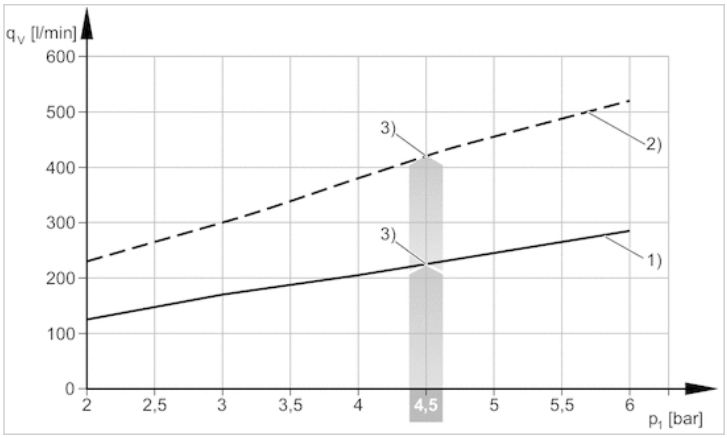


1) Ø nozzle 0.5 mm
2) Ø nozzle 0.7 mm
3) optimum working pressure

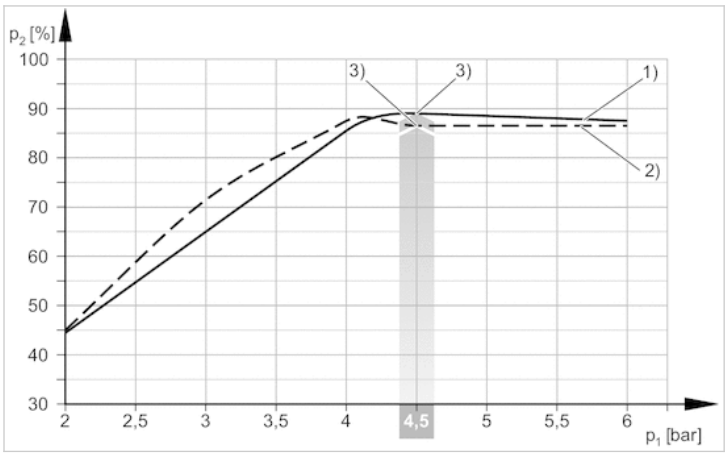


1) Ø nozzle 1.0 mm
2) Ø nozzle 1.5 mm

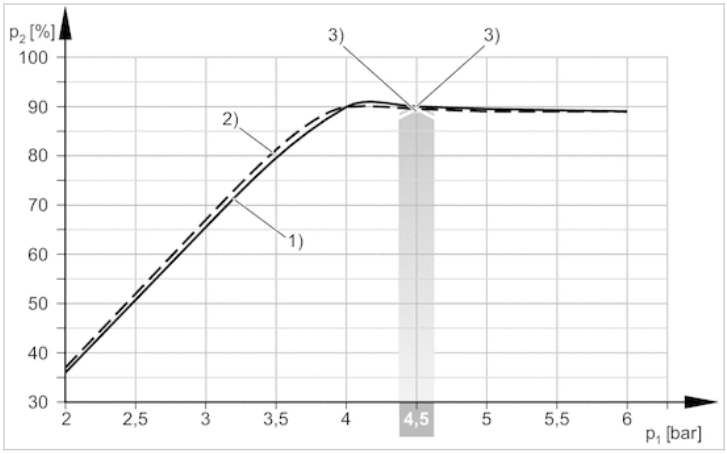
3) optimum working pressure



1) Ø nozzle 2.1 mm
2) Ø nozzle 3.0 mm
3) optimum working pressure

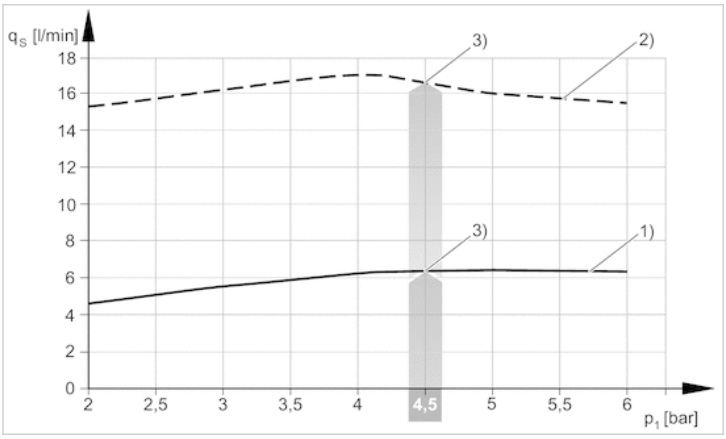


1) Ø nozzle 1.0 mm
2) Ø nozzle 1.5 mm
3) optimum working pressure

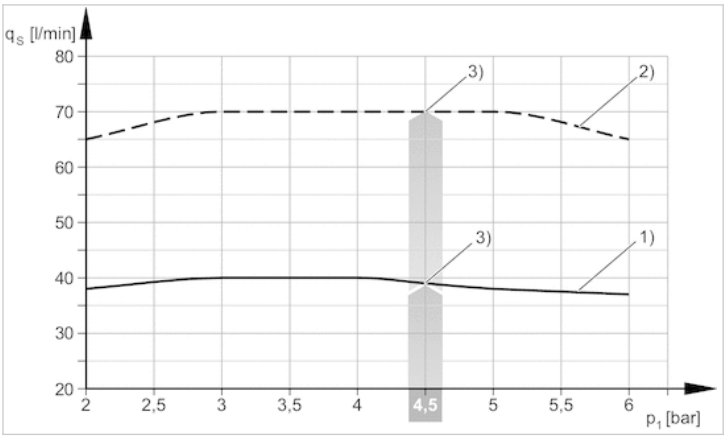


1) Ø nozzle 2.1 mm
2) Ø nozzle 3.0 mm
3) optimum working pressure

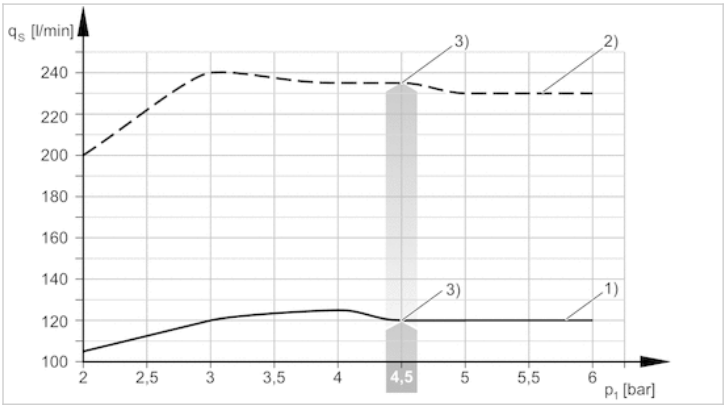
Suction capacity qs depending on working pressure p1



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

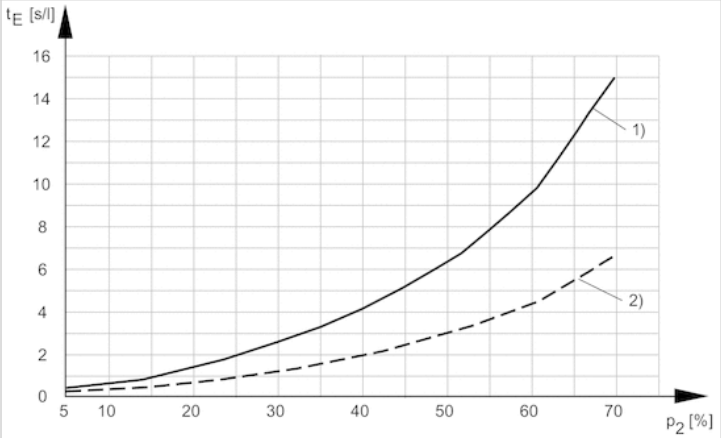


1) Ø nozzle 1.0 mm
2) Ø nozzle 1.5 mm
3) optimum working pressure

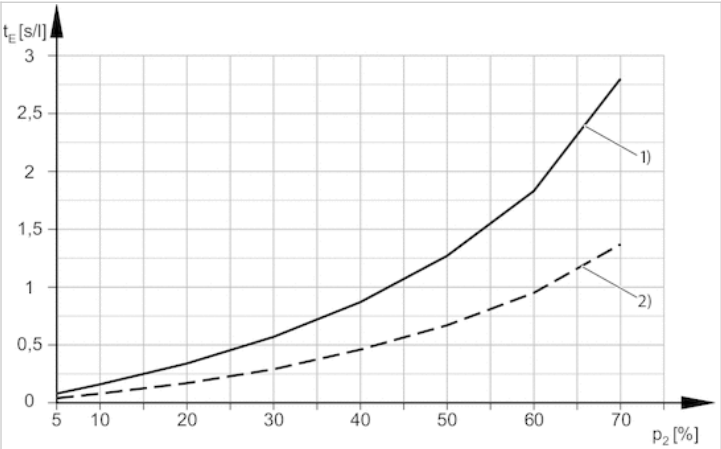


1) Ø nozzle 2.1 mm
2) Ø nozzle 3.0 mm
3) optimum working pressure

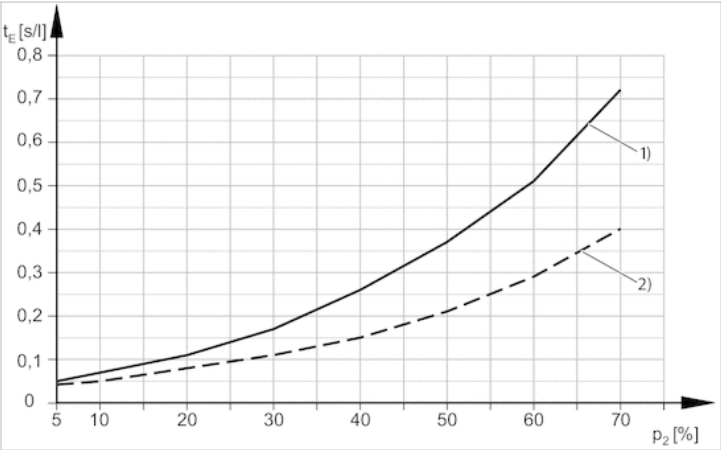
Evacuation time tE depending on vacuum p2 for 1 l volume (with optimal operating pressure p1opt)



1) Ø nozzle 0.5 mm
2) Ø nozzle 0.7 mm

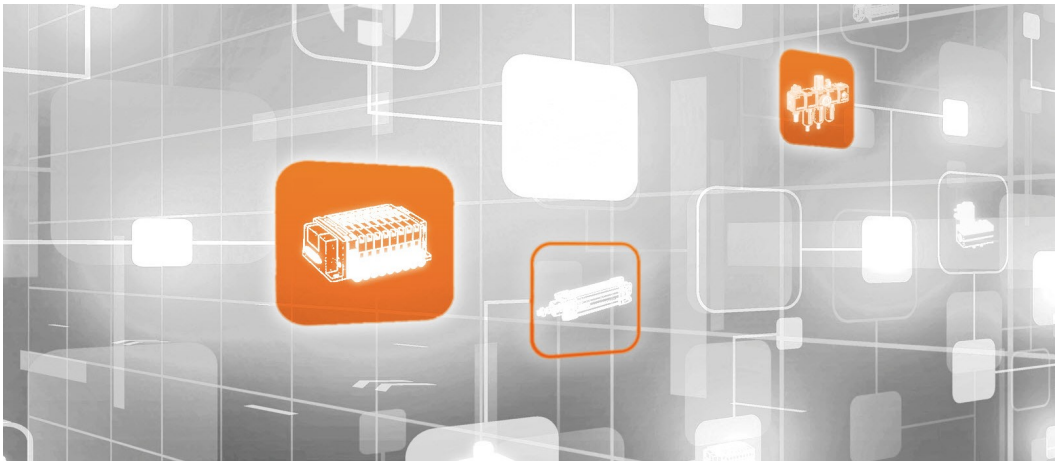


1) Ø nozzle 1.0 mm
2) Ø nozzle 1.5 mm



1) Ø nozzle 2.1 mm
2) Ø nozzle 3.0 mm

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



Visit us: Emerson.com/Aventics

Your local contact: Emerson.com/contactus

Emerson.com

Facebook.com/EmersonAutomationSolutions

LinkedIn.com/company/Emerson-Automation-Solutions

Twitter.com/EMR_Automation

2019-03

EMERSON

CONSIDER IT SOLVED™