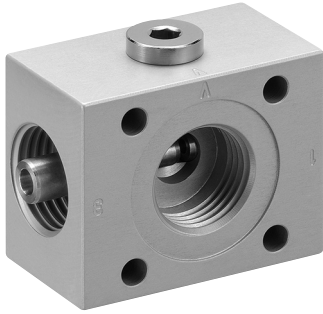


Gripper and vacuum technology → Vacuum generators

Series EBP



00131803

Ambient temperature min./max. +0 °C / +50 °C
 Medium temperature min./max. +0 °C / +60 °C
 Working pressure min./max. 2 bar / 6 bar
 Medium Compressed air
 Particle size max. 5 µm
 Oil content of compressed air 0 mg/m³ - 1 mg/m³

Materials:

Housing

Aluminum, anodized

Seal

Acrylonitrile Butadiene Rubber

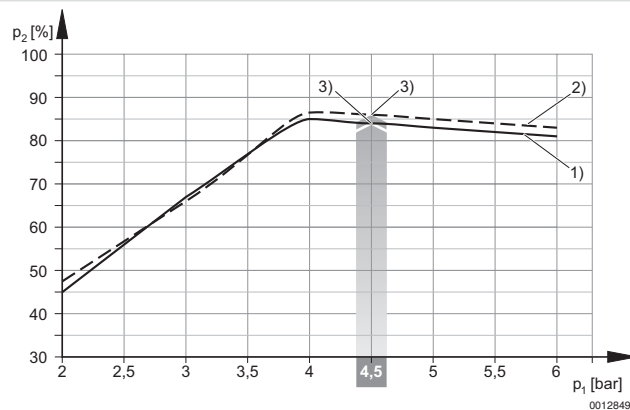
Nozzle

Brass

Technical Remarks

- Note: All data refers to an ambient pressure of 1013 mbar 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 air pressure must remain constant during the life cycle.

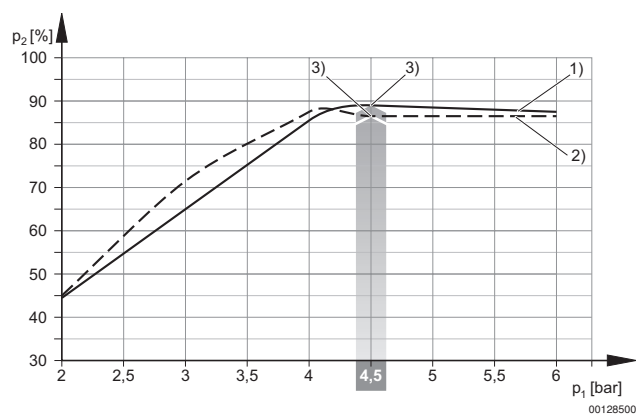
	Type	Nozzle Ø	Max. vacuum level at p.opt	Max. suction capacity	Air consumption at p.opt.	Wt.	Part No.
			[%]	[l/min]	[l/min]	[kg]	
	EBP-PT-05 -G018	0.5	84	6	21	0.06	7350150000
	EBP-PT-07 -G018	0.7	86	23	34	0.08	7350300000
	EBP-PT-10 -G014	1	89	40	60	0.13	7350600000
	EBP-PT-15 -G014	1.5	87	70	120	0.14	7351200000
	EBP-PT-21 -G014	2.1	90	125	225	0.22	7352400000
	EBP-PT-30 -G014	3	90	240	420	0.24	7354200000

Vacuum p₂ depending on working pressure p₁

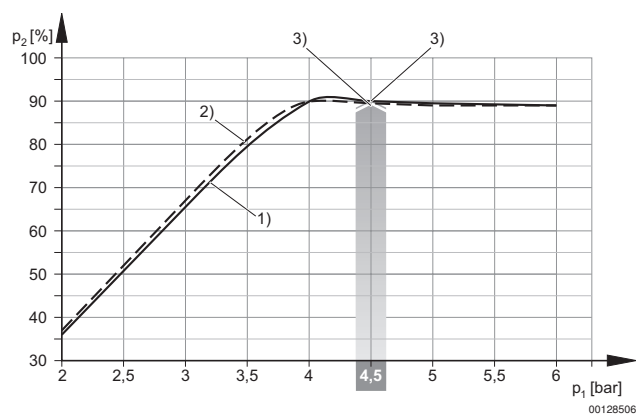
- 1) Ø nozzle 0.5 mm
 2) Ø nozzle 0.7 mm
 3) optimum working pressure

Gripper and vacuum technology → Vacuum generators

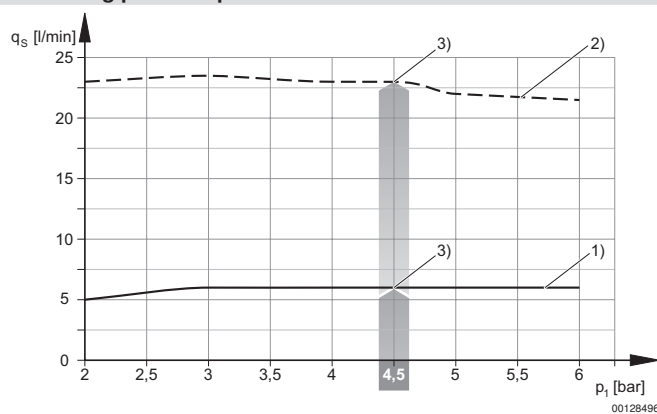
Series EBP



- 1) $\varnothing$ nozzle 1.0 mm
- 2) $\varnothing$ nozzle 1.5 mm
- 3) optimum working pressure



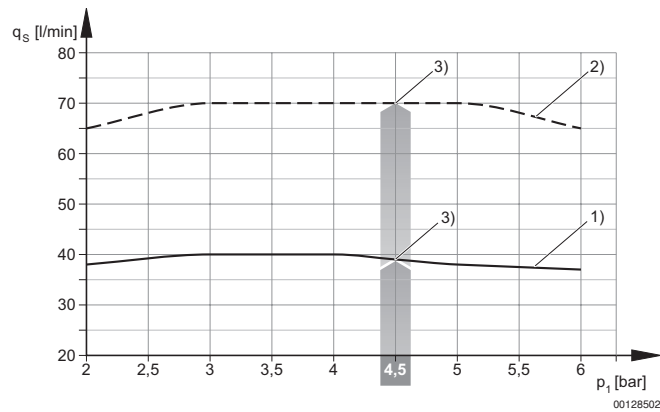
- 1) $\varnothing$ nozzle 2.1 mm
- 2) $\varnothing$ nozzle 3.0 mm
- 3) optimum working pressure

Suction capacity q_s depending on working pressure p_1 

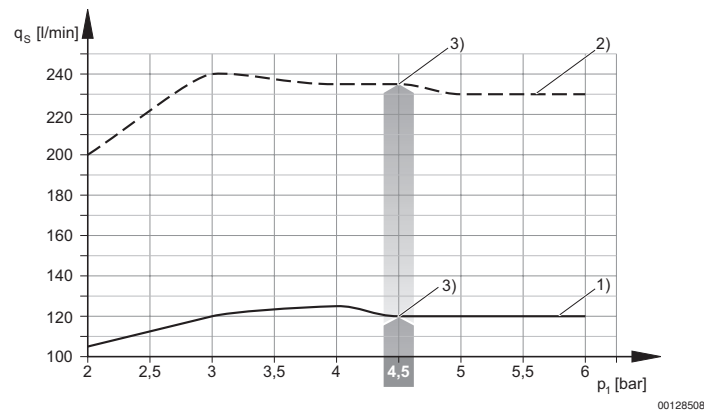
- 1) $\varnothing$ nozzle 0.5 mm
- 2) $\varnothing$ nozzle 0.7 mm
- 3) optimum working pressure

Gripper and vacuum technology → Vacuum generators

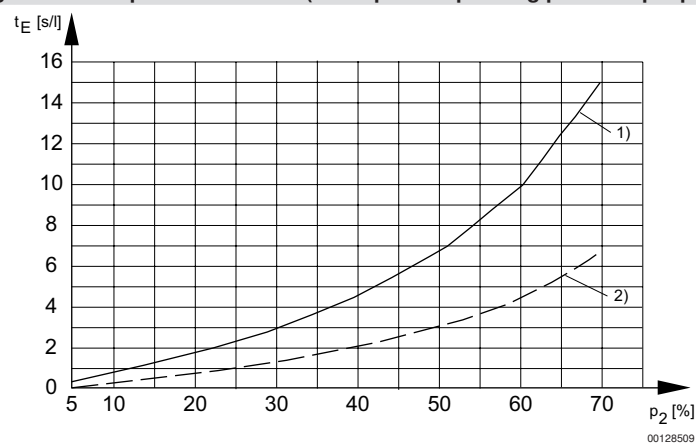
Series EBP



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



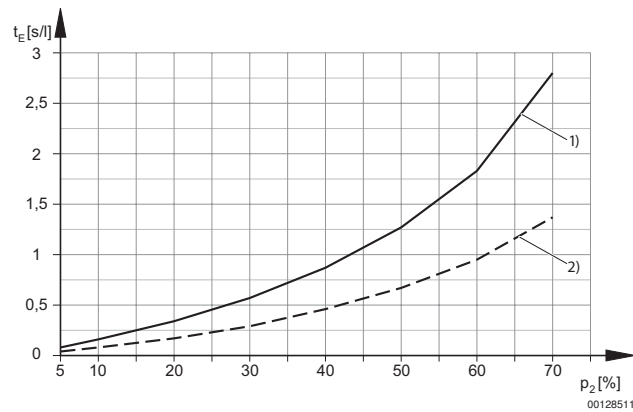
- 1) Ø nozzle 2.1 mm
- 2) Ø nozzle 3.0 mm
- 3) optimum working pressure

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

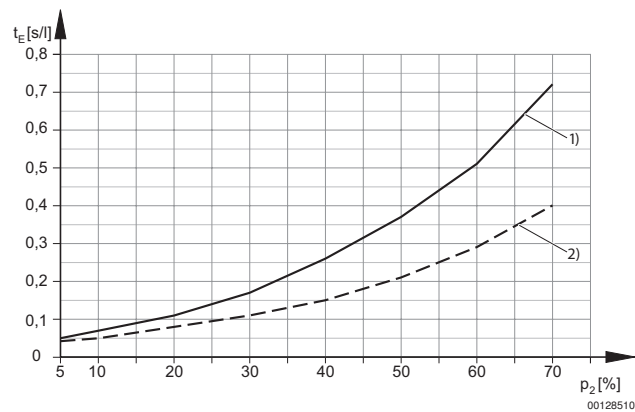
- 1) Ø nozzle 0.5 mm
- 2) Ø nozzle 0.7 mm

Gripper and vacuum technology → Vacuum generators

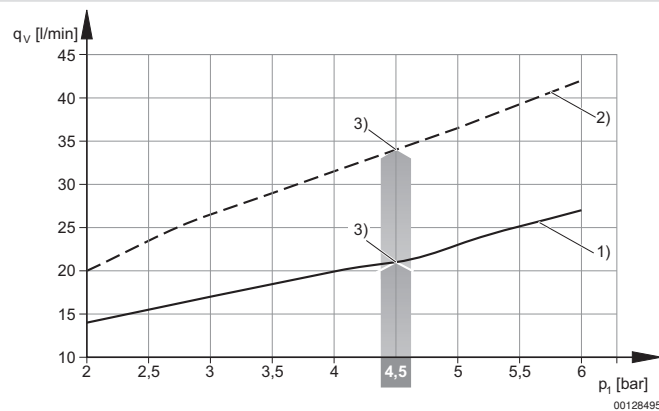
Series EBP



- 1) Ø nozzle 1.0 mm
2) Ø nozzle 1.5 mm



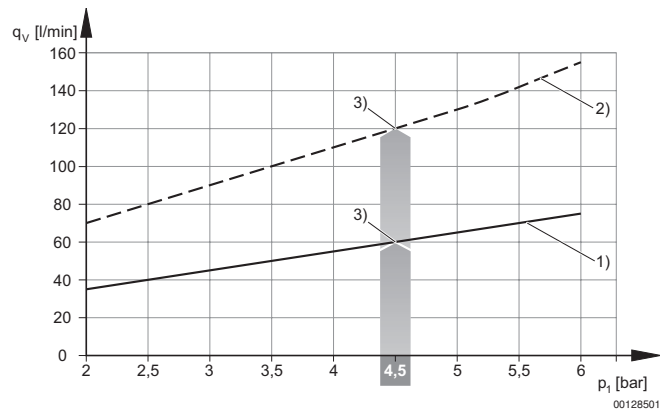
- 1) Ø nozzle 2.1 mm
2) Ø nozzle 3.0 mm

Air consumption q_v depending on working pressure p_1 

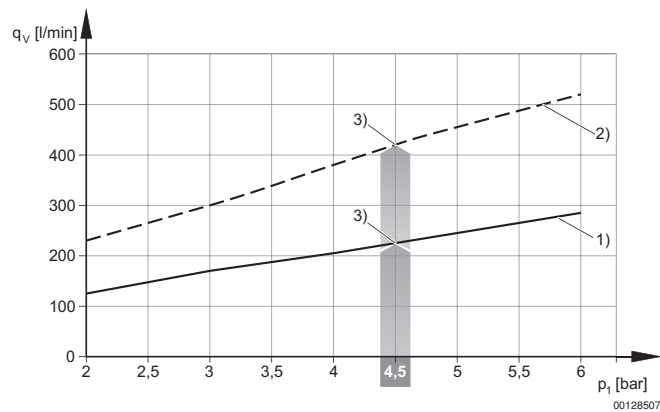
- 1) Ø nozzle 0.5 mm
2) Ø nozzle 0.7 mm
3) optimum working pressure

Gripper and vacuum technology → Vacuum generators

Series EBP



- 1) $\varnothing$ nozzle 1.0 mm
- 2) $\varnothing$ nozzle 1.5 mm
- 3) optimum working pressure

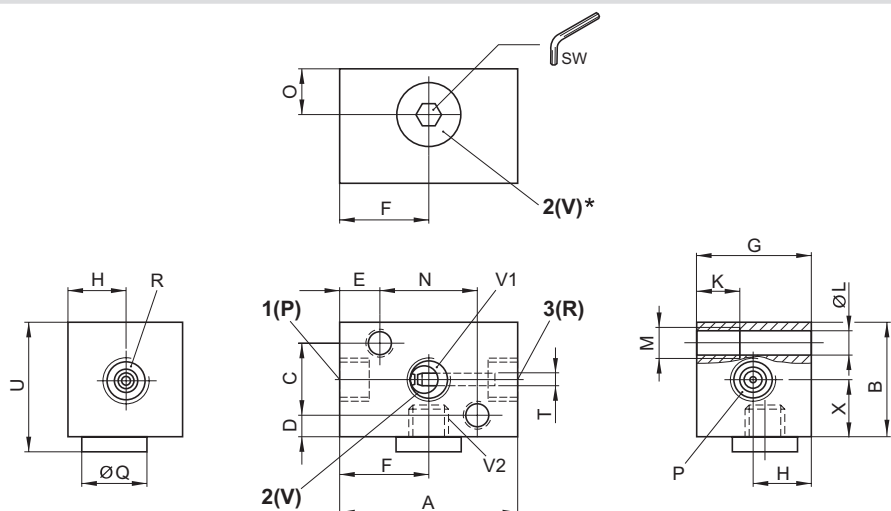


- 1) $\varnothing$ nozzle 2.1 mm
- 2) $\varnothing$ nozzle 3.0 mm
- 3) optimum working pressure

Gripper and vacuum technology → Vacuum generators

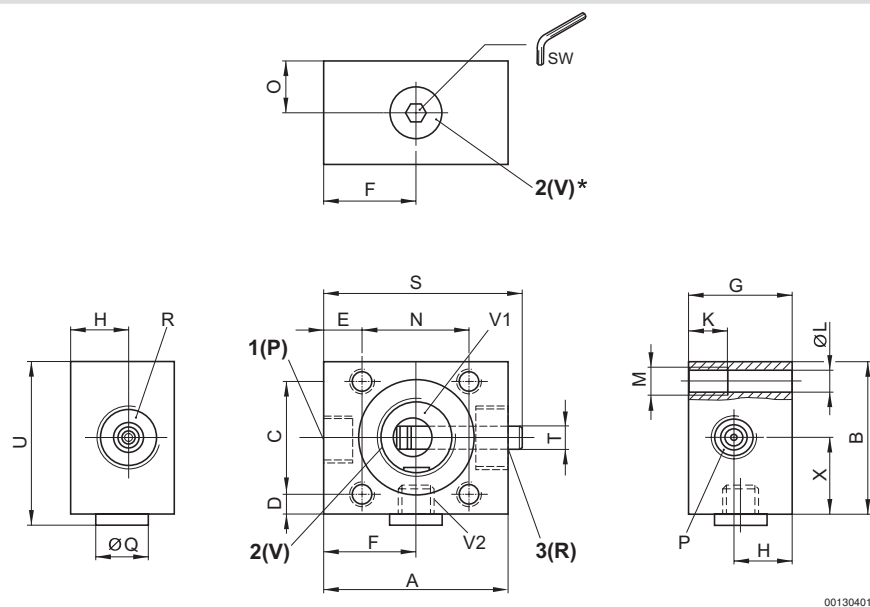
Series EBP

EBP-PT-05 / 07



* Compressed air connection for pressure switch

EBP-PT-10 .../ -30



* Compressed air connection for pressure switch

	A	B	C	D	E	F	G	H	K	Ø L	M	N
7350150000	40	25	16	4.5	9	20	25	12.5	10	5.1	M6	22
7350300000	50	25	16	4.5	12	23	25	12.5	10	5.1	M6	22
7350600000	50	40	29	5.5	10.5	25	28	15.5	12	5.1	M6	29
7351200000	50	40	29	5.5	10.5	25	28	15.5	12	5.1	M6	29
7352400000	60	40	29	5.5	10.5	25	40	21.5	12	5.1	M6	29
7354200000	60	40	29	5.5	10.5	25	40	21.5	12	5.1	M6	29

Gripper and vacuum technology → Vacuum generators
Series EBP

	O	P	Ø Q	R	S	SW	ØT	U	V1	V2	X
7350150000	10	G 1/8x8	14	G 1/8x8	—	5	5	28	G 1/8x8	G 1/8x7	12,5
7350300000	10	G 1/8x8	14	G 1/8x8	—	5	—	28.5	G 1/8x8	G 1/8x7	12,5
7350600000	14	G 1/4x10	14	G 3/8x9	—	5	8	43	G 1/2x9	G 1/8x8	20
7351200000	14	G 1/4x10	14	—	52.5	5	8	43	G 1/2x9	G 1/8x8	20
7352400000	21.5	G 1/4x10	14	G 1x12	—	5	—	43	G 1/2x9	G 1/8x8	20
7354200000	21.5	G 1/4x10	14	G 1x12	—	5	—	43	G 1/2x9	G 1/8x8	20