Gripper and vacuum technology → Vacuum generators

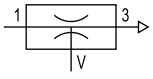
Series EBP

00131803

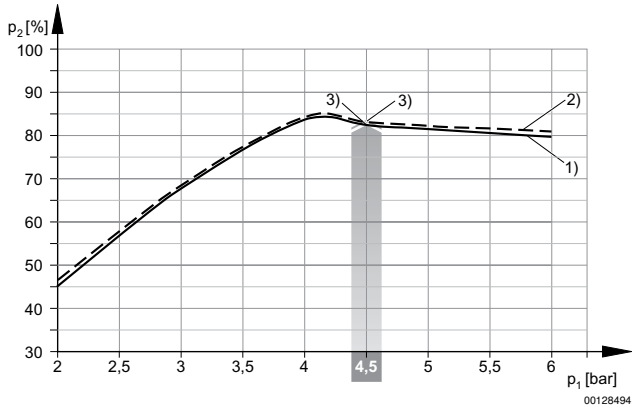
Ambient temperature min./max.	+0°C / +50°C
Medium temperature min./max.	+0°C / +60°C
Working pressure min./max.	2 bar / 6 bar
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 mg/m³ - 1 mg/m³
Materials:	
Housing	Aluminum, anodized
Seal	Acrylonitrile Butadiene Rubber
Nozzle	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.

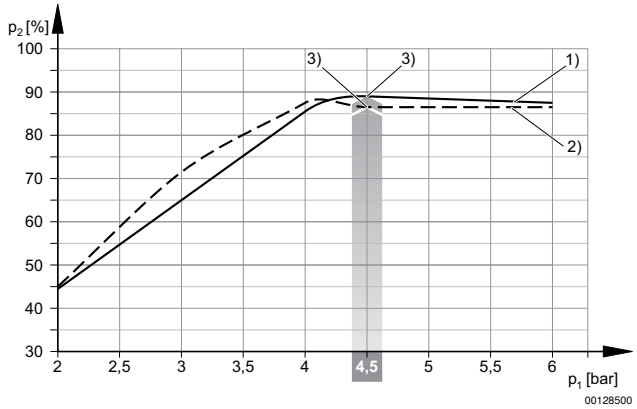
	Type	Nozzle Ø	Max. vacuum level at p.opt	Max. suction capacity	Air consumption at p.opt.	Weight	Part No.
			[%]	[l/min]	[l/min]	[kg]	
	EBP-PT-05-NN	0.5	82	6.4	15.5	0.06	**7350150000**
	EBP-PT-07-NN	0.7	83	17	27	0.08	**7350300000**
	EBP-PT-10-NN	1	89	40	60	0.13	**7350600000**
	EBP-PT-15-NN	1.5	87	70	120	0.14	**7351200000**
	EBP-PT-21-NN	2.1	90	125	225	0.22	**7352400000**
	EBP-PT-30-NN	3	90	240	420	0.24	**7354200000**

Vacuum p2 depending on working pressure p1

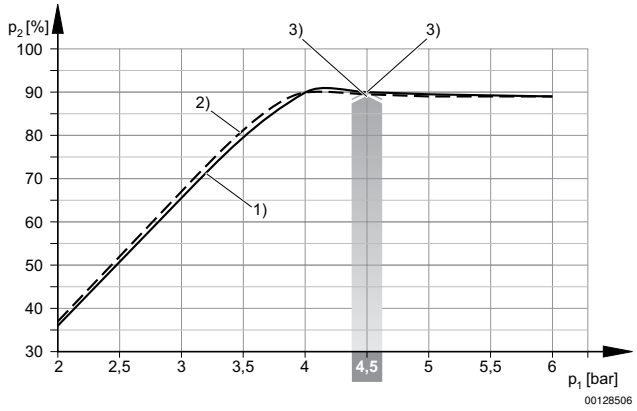


1) Ø nozzle 0.5 mm
2) Ø nozzle 0.7 mm
3) optimum working pressure

Series EBP

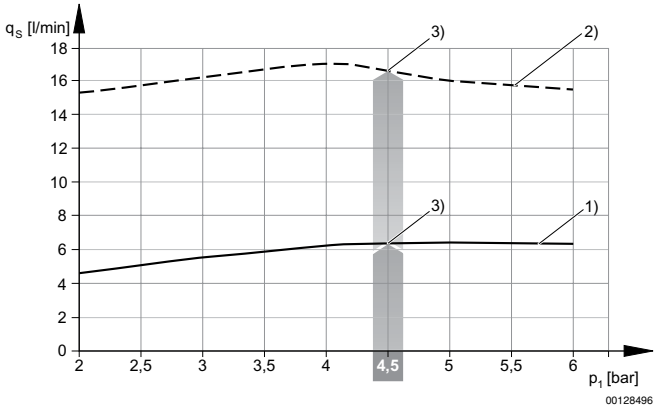


1) Ø nozzle 1.0 mm
2) Ø nozzle 1.5 mm
3) optimum working pressure



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

Suction capacity qs depending on working pressure p1



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2) Ø nozzle 0.7 mm
3) optimum working pressure

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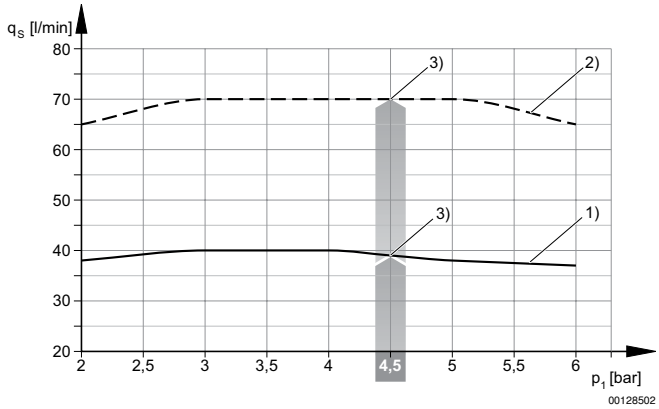

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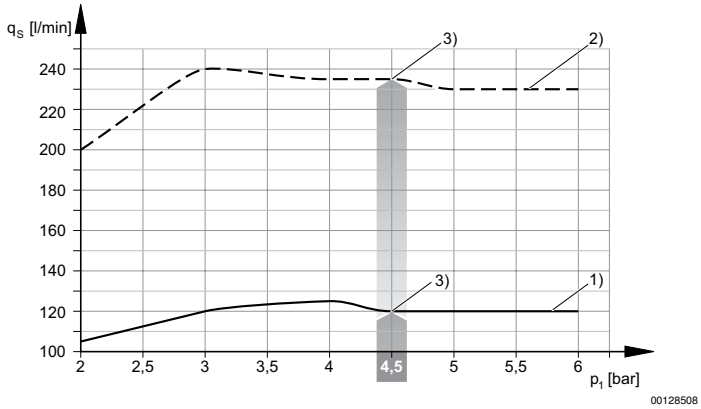
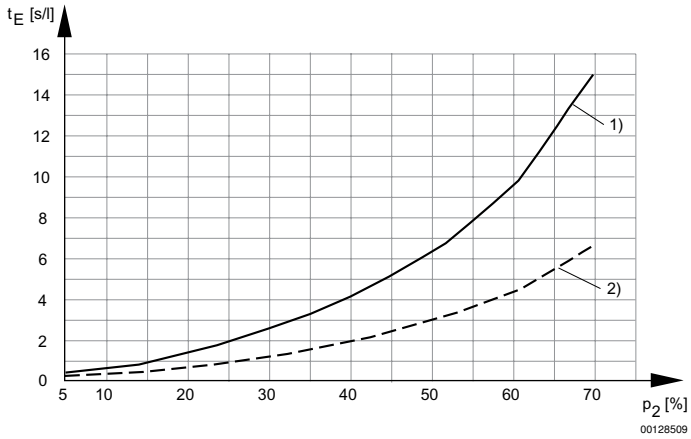


1) Ø nozzle 2.1 mm
2) Ø nozzle 3.0 mm
3) optimum working pressure

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



1) Ø nozzle 0.5 mm
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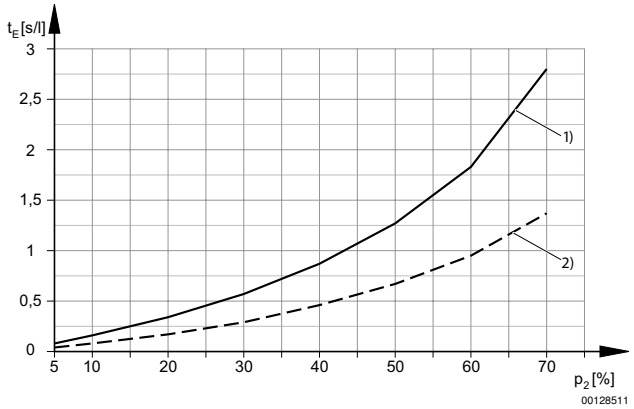
Series EBP



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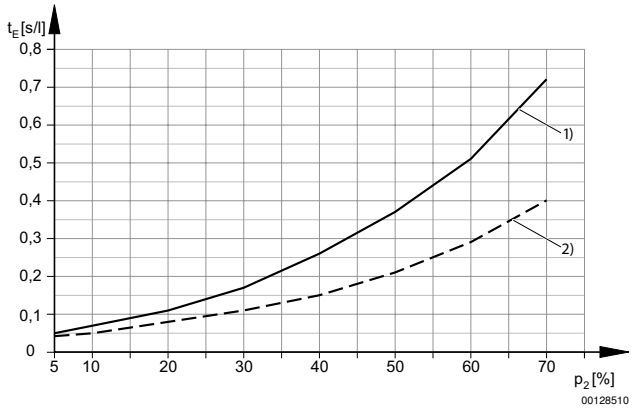
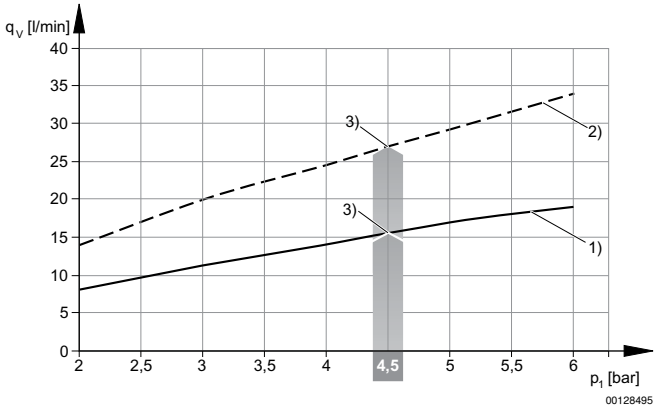
2) Ø nozzle 1.5 mm



1) Ø nozzle 2.1 mm
2) Ø nozzle 3.0 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

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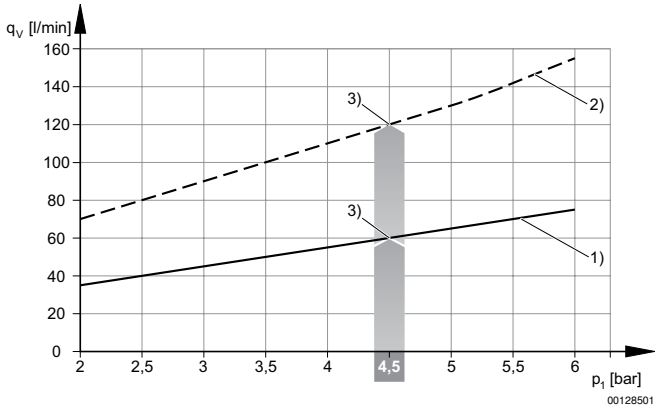

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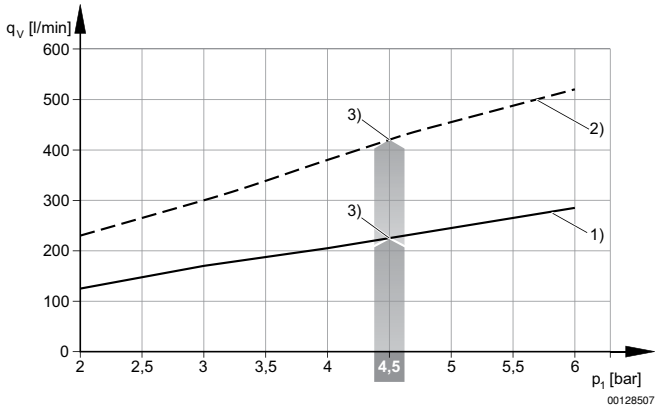
3) optimum working pressure



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2) Ø nozzle 3.0 mm
3) optimum working pressure

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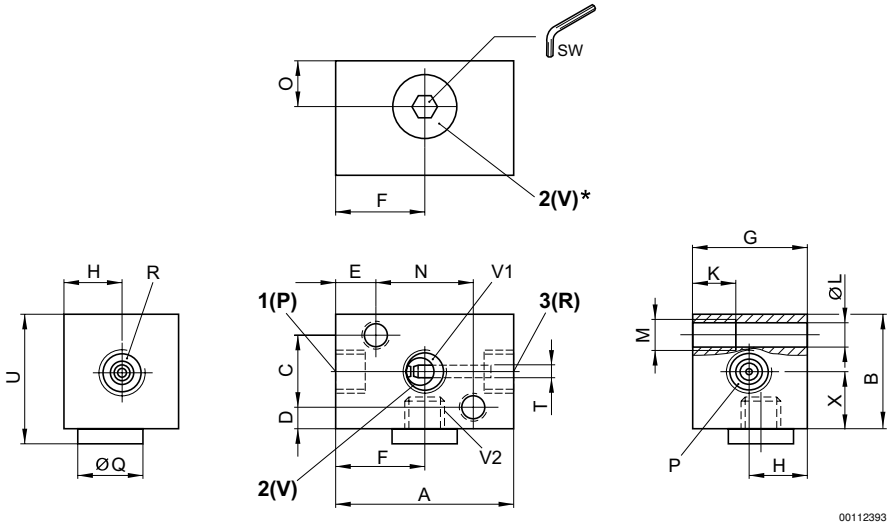
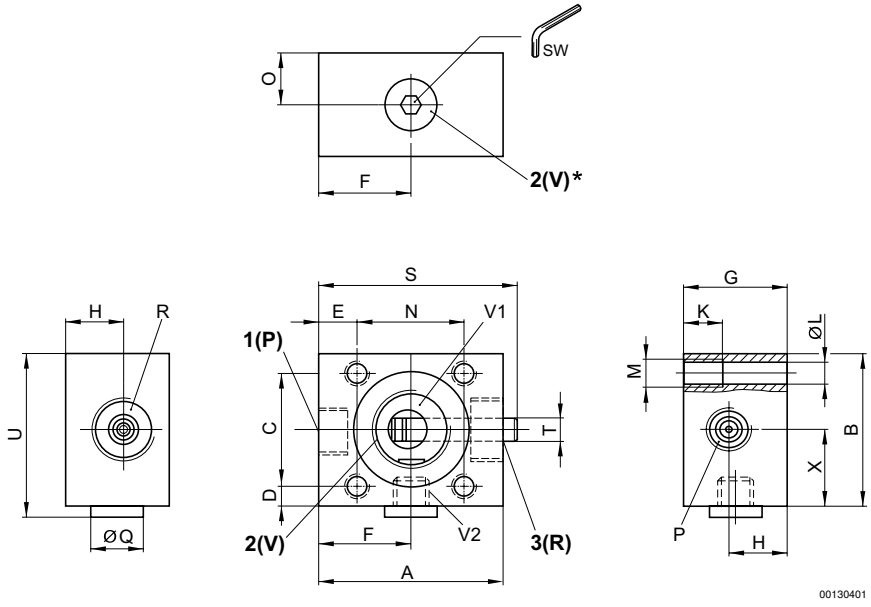
EBP-PT-05 / 07



* Compressed air connection for pressure sensor

EBP-PT-10 .../ -30



* Compressed air connection for pressure sensor

Part No.	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

Series EBP

Part No.	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