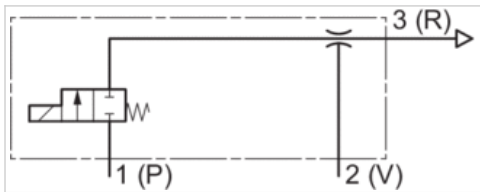


Series EBE

- electrical control, compact form



Version	electrical control, compact form
Activation	Electrically
Working pressure min./max.	2 ... 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/m ³
Protection class With valve plug connector	IP65
Duty cycle according to DIN VDE 0580 standard	100 %
Voltage tolerance DC	-10% / +10%
Weight	See table below

Technical data

Part No.	Type	Nozzle Ø	Compressed air connection	Vacuum connection+
0821305026	EBE-ET-07-NC	0,7 mm	G 1/4	G 1/4
0821305027	EBE-ET-10-NC	1 mm	G 1/4	G 1/4
0821305028	EBE-ET-10-NC	1 mm	G 1/4	G 3/8
0821305029	EBE-ET-07-NC	0,7 mm	G 1/4	G 1/4
0821305030	EBE-ET-10-NC	1 mm	G 1/4	G 1/4
0821305031	EBE-ET-10-NC	1 mm	G 1/4	G 3/8
0821305038	EBE-ET-07-NC	0,7 mm	G 1/4	G 1/4
0821305039	EBE-ET-10-NC	1 mm	G 1/4	G 1/4
0821305040	EBE-ET-10-NC	1 mm	G 1/4	G 3/8

Part No.	Port exhaust	Operational voltage DC	Operational voltage AC 50 Hz
0821305026	G 1/4	24 V	-
0821305027	G 1/4	24 V	-
0821305028	G 1/4	24 V	-
0821305029	G 1/4	-	230 V
0821305030	G 1/4	-	230 V
0821305031	G 1/4	-	230 V
0821305038	G 1/4	-	-
0821305039	G 1/4	-	-
0821305040	G 1/4	-	-

Part No.	Power consumption Solenoid valve DC	Switch-on power AC 50 Hz	Holding power AC 50 Hz
0821305026	4,8 W	-	-
0821305027	4,8 W	-	-
0821305028	4,8 W	-	-
0821305029	-	12,6 VA	9,7 VA
0821305030	-	12,6 VA	9,7 VA
0821305031	-	12,6 VA	9,7 VA
0821305038	-	-	-
0821305039	-	-	-
0821305040	-	-	-

Part No.	Max. vacuum level at p.opt	Max. suction capacity	Air consumption at p.opt.
0821305026	88 %	23 l/min	33 l/min
0821305027	83 %	39 l/min	54 l/min
0821305028	83 %	39 l/min	54 l/min
0821305029	88 %	23 l/min	33 l/min
0821305030	83 %	39 l/min	54 l/min
0821305031	83 %	39 l/min	54 l/min
0821305038	88 %	23 l/min	33 l/min
0821305039	83 %	39 l/min	54 l/min
0821305040	83 %	39 l/min	54 l/min

Part No.	Electr. connection	Weight	Fig.
0821305026	Plug, ISO 6952, form B	0,19 kg	Fig. 1
0821305027	Plug, ISO 6952, form B	0,2 kg	Fig. 1
0821305028	Plug, EN 175301-803, form A	0,27 kg	Fig. 2
0821305029	Plug, ISO 6952, form B	0,19 kg	Fig. 1
0821305030	Plug, ISO 6952, form B	0,2 kg	Fig. 1
0821305031	Plug, EN 175301-803, form A	0,27 kg	Fig. 2
0821305038	Plug	0,13 kg	Fig. 1
0821305039	Plug	0,14 kg	Fig. 1
0821305040	Plug	0,16 kg	Fig. 2

p.opt. = optimum working pressure

Technical information

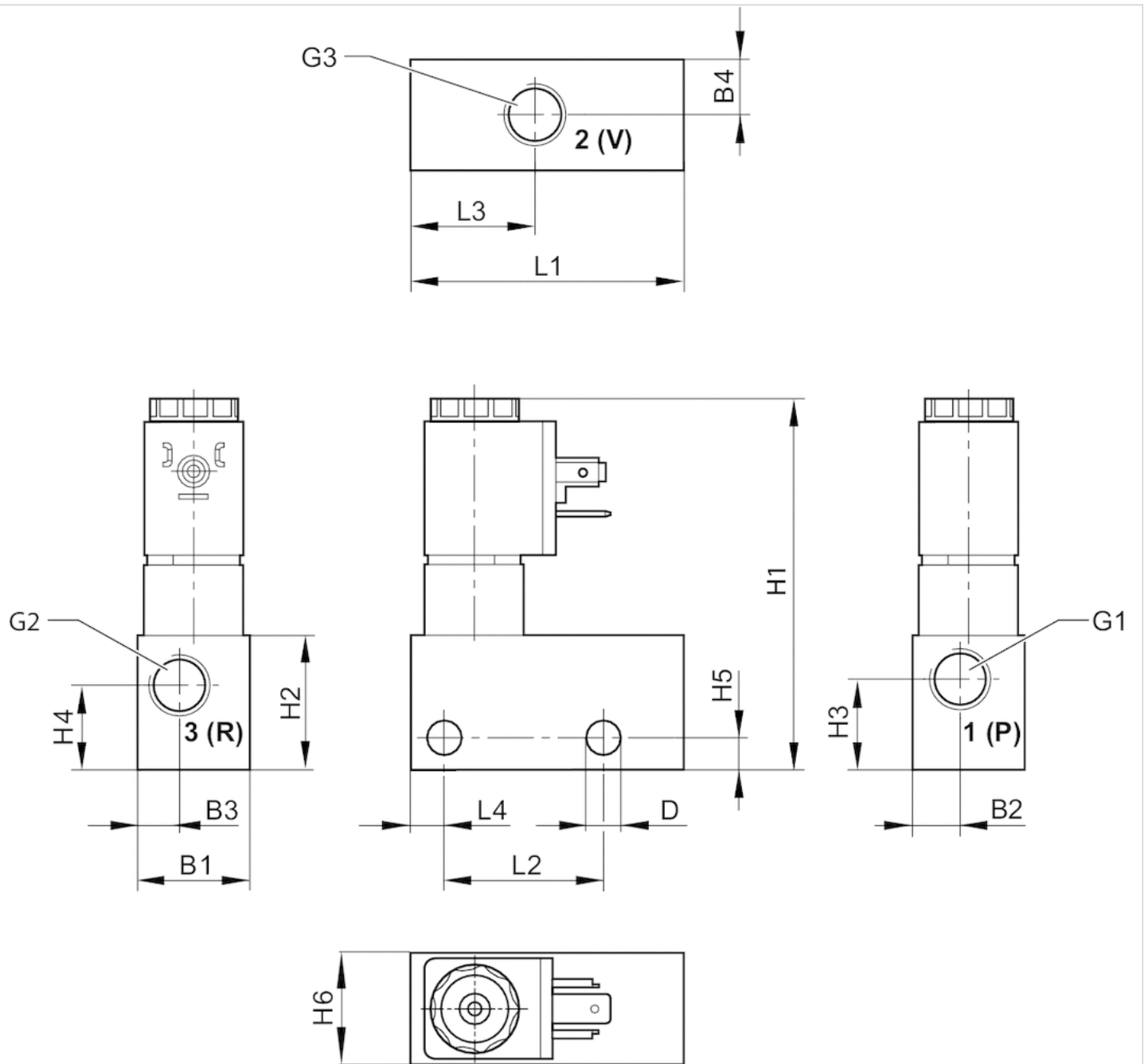
Note: All data refers to an ambient pressure of 1.013 bar and an ambient temperature of 20 °C .
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

Technical information

Material	
Housing	Aluminum, anodized
Nozzle	Brass

Dimensions

Fig. 1, For valve plug connectors according to ISO 6952 (form B)

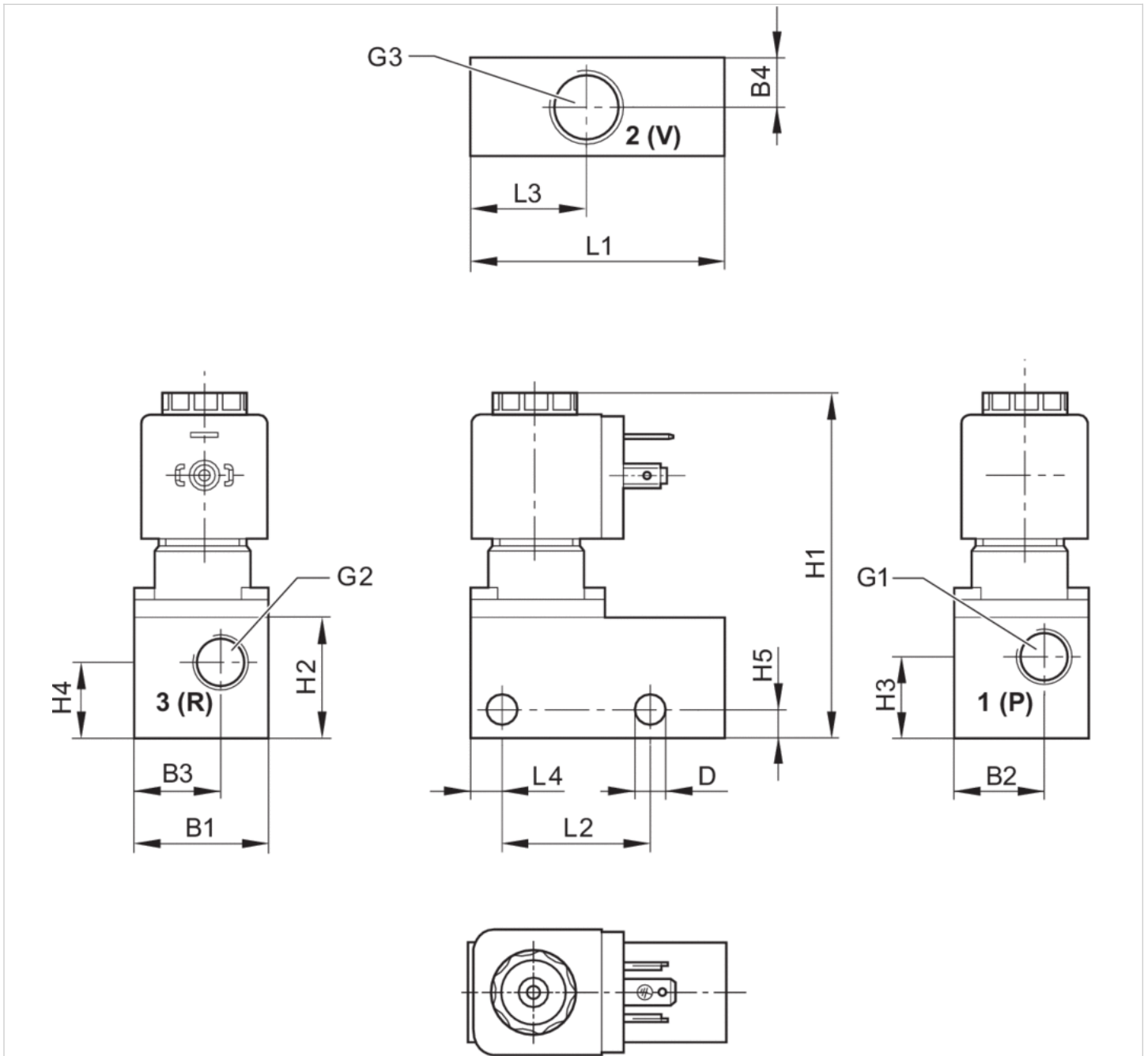


Dimensions

Part No.	G1	G2	G3	B1	B2	B3	B4	D	H1	H2	H3	H4	H5	H6	L1	L2	L3	L4
0821305026	G 1/4x10	G 1/4x11	G 1/4x11	24	10	9	12	Ø 7,5	~82	30	20	19	7	26.9	60	35	28	7.5
0821305027	G 1/4x10	G 1/4x11	G 1/4x11	24	10	9	12	Ø 7,5	~82	30	20	19	7	26.9	60	35	28	7.5
0821305029	G 1/4x10	G 1/4x11	G 1/4x11	24	10	9	12	Ø 7,5	~82	30	20	19	7	26.9	60	35	28	7.5
0821305030	G 1/4x10	G 1/4x11	G 1/4x11	24	10	9	12	Ø 7,5	~82	30	20	19	7	26.9	60	35	28	7.5
0821305038	G 1/4x10	G 1/4x11	G 1/4x11	24	10	9	12	Ø 7,5	--	30	20	19	7	26.9	60	35	28	7.5
0821305039	G 1/4x10	G 1/4x11	G 1/4x11	24	10	9	12	Ø 7,5	--	30	20	19	7	26.9	60	35	28	7.5

Dimensions

Fig. 2, For valve plug connectors according to EN 175301-803 (form A)

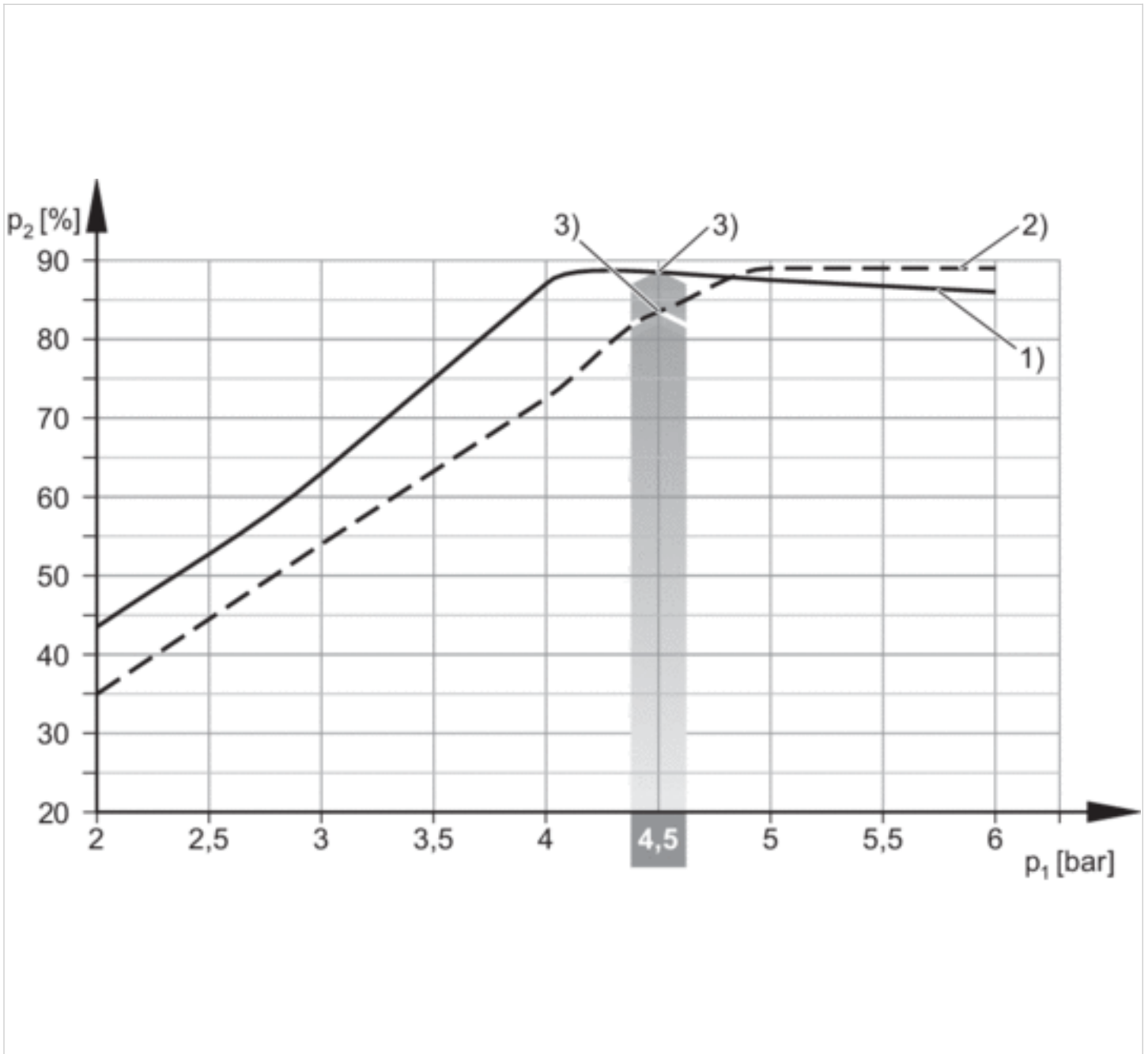


Dimensions

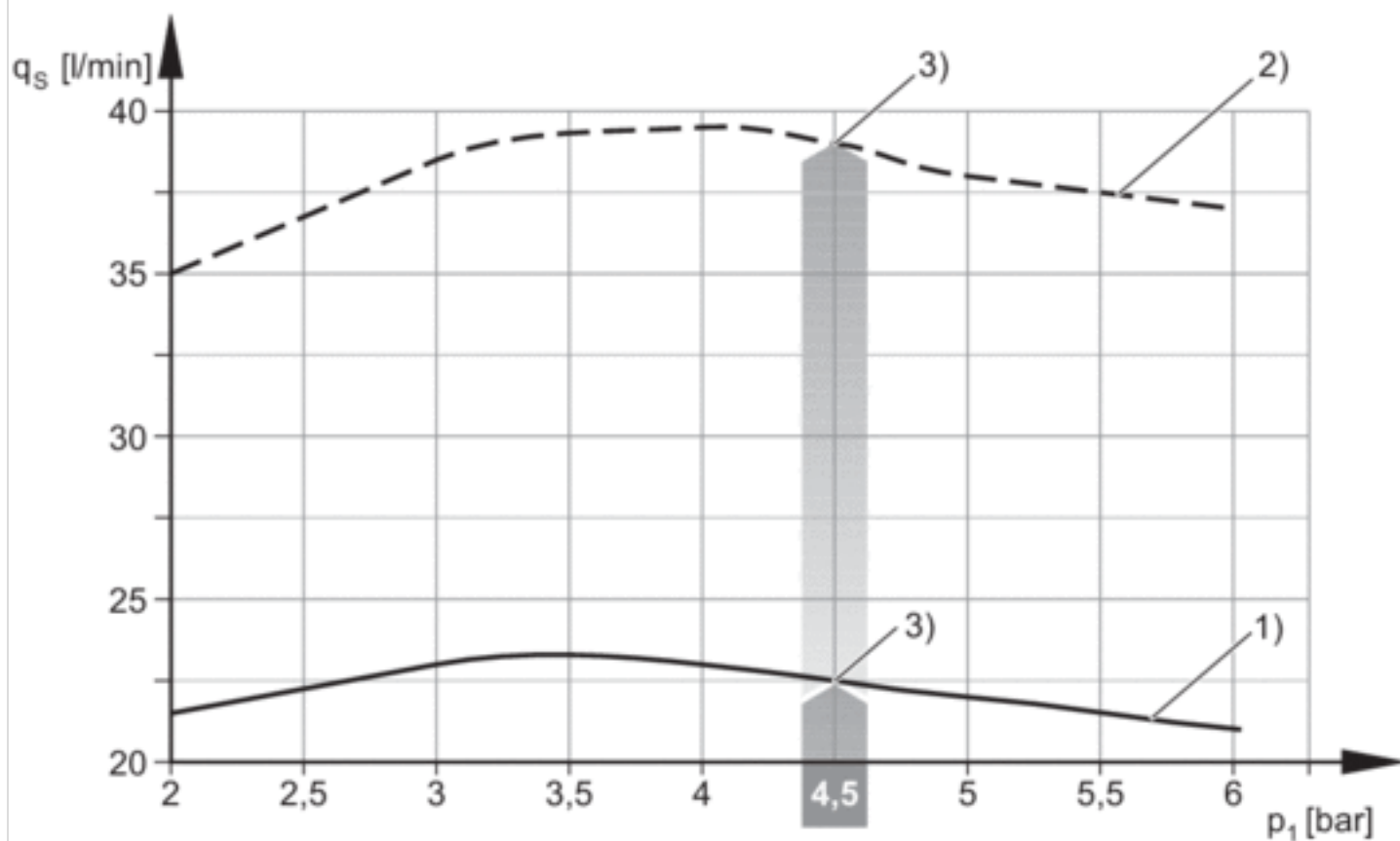
Part No.	G1	G2	G3	B1	B2	B3	B4	D	H1	H2	H3	H4	H5	L1	L2	L3	L4
0821305028	G 1/4x10	G 1/4x11	G 3/8x11	32	21	19.5	16	Ø 7,5	~84	30	20	19	7	60	35	28	7.5
0821305031	G 1/4x10	G 1/4x11	G 3/8x11	32	21	19.5	16	Ø 7,5	~84	30	20	19	7	60	35	28	7.5
0821305040	G 1/4x10	G 1/4x11	G 3/8x11	32	21	19.5	16	Ø 7,5	--	30	20	19	7	60	35	28	7.5

Diagrams

Vacuum p_2 depending on working pressure p_1

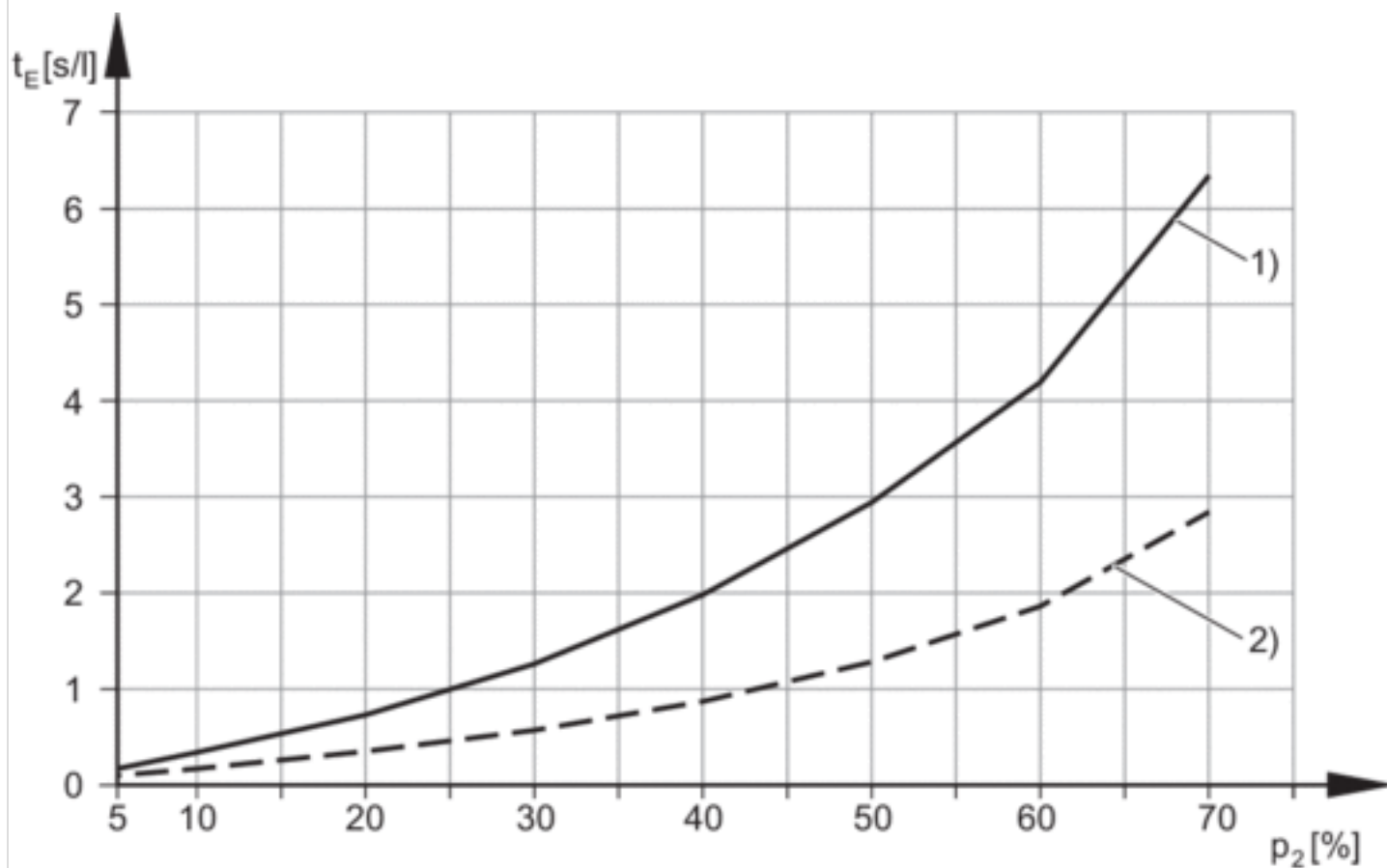


- 1) DMR Ø nozzle 0.7 mm
- 2) DMR Ø nozzle 1.0 mm
- 3) optimum working pressure

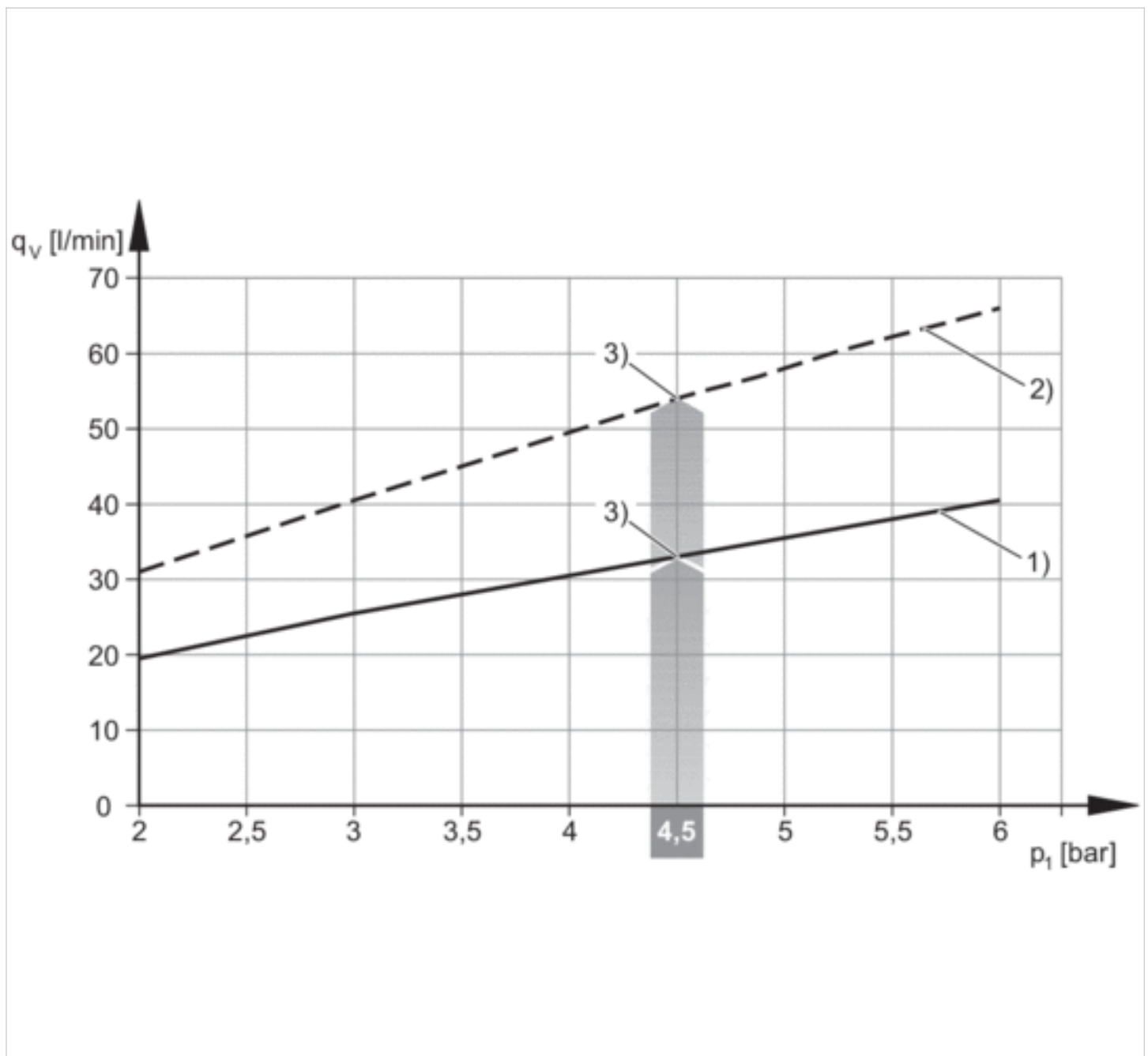
Suction capacity q_s depending on working pressure p_1 

- 1) DMR \varnothing nozzle 0.7 mm
- 2) DMR \varnothing nozzle 1.0 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) DMR \varnothing nozzle 0.7 mm
- 2) DMR \varnothing nozzle 1.0 mm

Air consumption q_v depending on working pressure p_1 

- 1) DMR \varnothing nozzle 0.7 mm
- 2) DMR \varnothing nozzle 1.0 mm
- 3) optimum working pressure

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