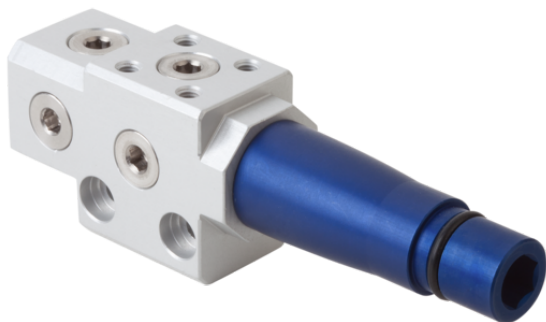
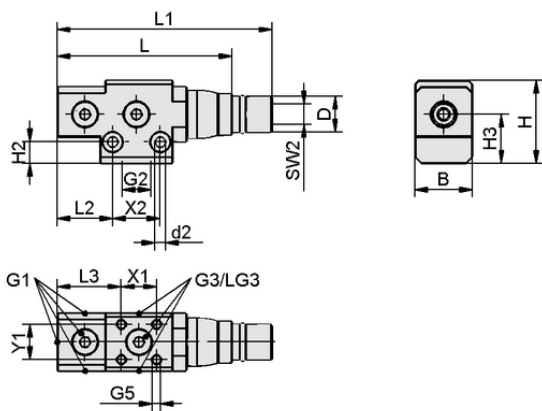


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SBP HV 3 07 13 S

The basic ejectors SBP-HV/HF is delivered as a ready-to-connect product.



Design data SBP HV 3 07 13 S

Technical data

Attribute	Value
Nozzle diameter	0.7 mm
Degree of evacuation	85.0 %
Air consumption suction	23.5 l/min
Suction rate (max.)	63.8 l/min
Size	13.00
Optimal operating pressure	4.00 bar
Number of stages	3
Shape compact ejectors	With safety valve
Shape	High vacuum

Design data

Attribute	Value
Length L1	104.00 mm
Length L2	22.00 mm
Length L	88.00 mm
Width B	23.00 mm
Height H2	8.50 mm
Height H	33.00 mm
Outside diameter D	14.20 mm
d2	4.2 mm
Thread G1	G1/8"-F
Thread G2	G1/4"-F

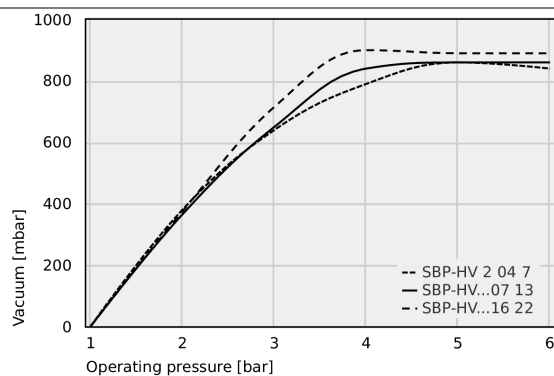
Art.-Nr.: 10.02.01.01722

**Technical data**

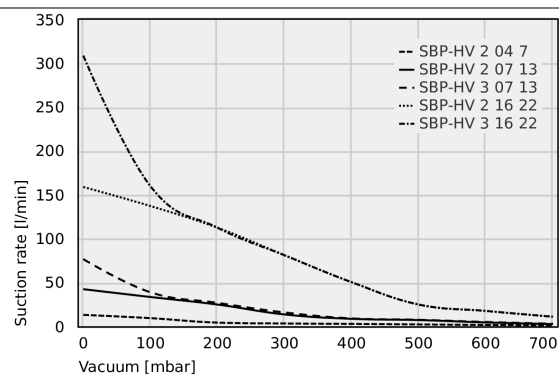
Attribute	Value
Nozzle diameter	0.7 mm
Recommended hose internal diameter compressed air	4.0 mm
Recommended hose internal diameter vacuum	6.0 mm
Degree of evacuation	85.0 %
Sound pressure level suction	61.0 dB(A)
Sound pressure level free	70.0 dB(A)
Weight	89.6 g
Air consumption suction	0.829 cfm
Suction rate (max.)	2.253 cfm
Optimal operating pressure	4.00 bar
Number of stages	3
Pressure range (operating pressure) [bar]	29.0 ... 87.0
Operating temperature	0 ... 60 °C
Optimal pressure	58.0 psi
Product family	SBP-HV-HF



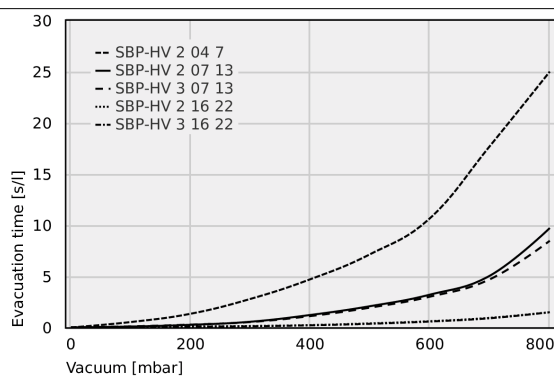
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**Performance data**

Achievable vacuum at various operating pressures



Suction rate at various degrees of evacuation [l/min]



Evacuation time for various vacuum ranges [s/l]

**Achievable vacuum at various operating pressures**

	1	2	3	4	5	6
SBP-HV 2 04 7	-	380	640	790	860	840
SBP-HV...07 13	-	365	650	840	860	860
SBP-HV...16 22	-	375	715	900	890	890



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**Suction rate at various degrees of evacuation [l/min]**

	0	100	200	300	400	500	600	700
SBP-HV 2 04 7	13.2	9.5	4.4	3.4	2.9	2.3	1.7	1.2
SBP-HV 2 07 13	42.5	33.6	25.0	13.7	8.7	7.3	4.6	2.7
SBP-HV 3 07 13	76.8	39	26.9	16	9.2	7.6	5.1	3.1
SBP-HV 2 16 22	159.0	137.3	112.6	81.2	50.5	25	17.7	11.1
SBP-HV 3 16 22	308.8	160	112.6	81.2	50.5	25	17.7	11.1

**Evacuation time for various vacuum ranges [s/l]**

	0	100	200	300	400	500	600	700	800
SBP-HV 2 04 7	-	0.53	1.34	2.79	4.71	7.16	10.68	17.73	25
SBP-HV 2 07 13	-	0.09	0.26	0.56	1.22	2.08	3.21	5.06	9.71
SBP-HV 3 07 13	-	0.11	0.28	0.53	1.11	1.94	3.01	4.71	8.47
SBP-HV 2 16 22	-	0.06	0.09	0.14	0.23	0.4	0.61	0.94	1.49
SBP-HV 3 16 22	-	0.04	0.08	0.12	0.21	0.36	0.58	0.90	1.49

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.01.01722**Ordering Data Accessories 10.02.01.01722**

Typ		Item number
Mounting set	SET SFE 13	10.02.01.01579
Mounting bracket	BEF-WIN 36x40x27 5 SFE-13	10.08.03.00314
Quick release valve	SEV G1/8-IG G1/4-AG	10.02.01.01471
Silencer (round)	SD 16.5x51.5 SHC 13	10.02.01.01498

**Ordering Data Spare Parts 10.02.01.01722**

Typ		Item number
Ejector module	SEP HV 3 07 13 S	10.02.01.01407
Schmalz Fixation Element	SFE 13 AL	10.02.01.01419
Schmalz Holder Cap	SHC 3 13	10.02.01.01497

