

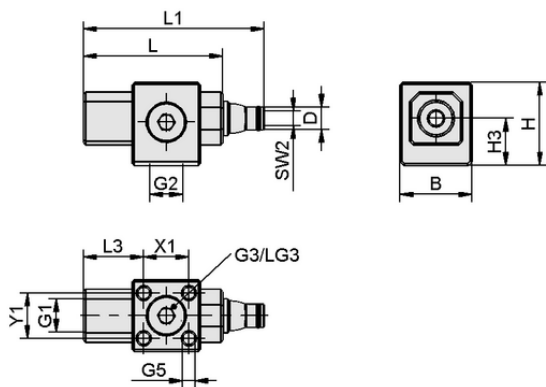


SBP HF 2 03 7

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

Technical data

Attribute	Value
Nozzle diameter	0.3 mm
Degree of evacuation	55.0 %
Air consumption suction	5.0 l/min
Suction rate (max.)	15.3 l/min
Size	7.00
Optimal operating pressure	4.00 bar
Number of stages	2
Shape	High flow



Design data SBP HF 2 03 7

Design data

Attribute	Value
Length L1	48.00 mm
Length L	37.00 mm
Width B	19.00 mm
Height H	22.00 mm
Outside diameter D	6.00 mm
Thread G1	G1/8"-F
Thread G2	G1/8"-F
Thread length LG3	6.0 mm
Spanner size SW2	4.0 mm
Length L3	16.00 mm

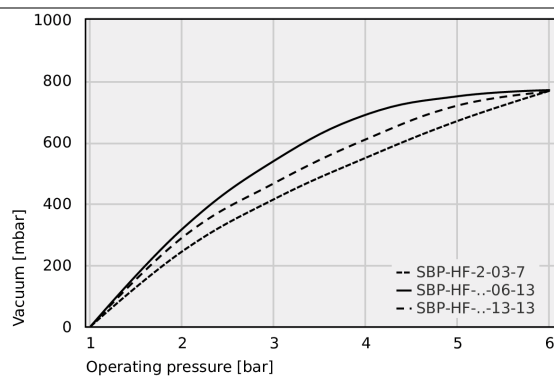
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**Technical data**

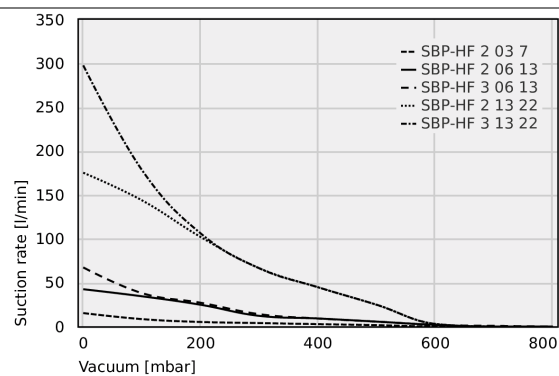
Attribute	Value
Nozzle diameter	0.3 mm
Recommended hose internal diameter compressed air	2.0 mm
Recommended hose internal diameter vacuum	4.0 mm
Degree of evacuation	55.0 %
Sound pressure level suction	54.0 dB(A)
Sound pressure level free	63.0 dB(A)
Weight	28.7 g
Air consumption suction	0.176 cfm
Suction rate (max.)	0.540 cfm
Optimal operating pressure	4.00 bar
Number of stages	2
Pressure range (operating pressure) [bar]	29.0 - 87.0
Operating temperature	0 ... 60 °C
Optimal pressure	58.0 psi
Product family	SBP-HV-HF



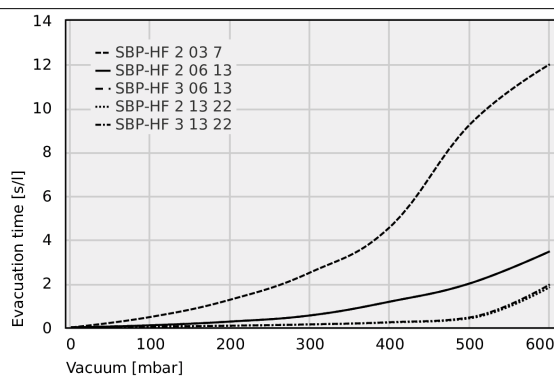
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**Performance data**

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-HF-2-03-7	0.0	245	415	550	670	768
SBP-HF-...-06-13	-	318	540	690	750	770
SBP-HF-...-13-22	-	290	467	610	720	765



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

	0	100	200	300	400	500	600	700	800
SBP-HF 2 03 7	15.25	8.38	5.13	3.88	2.63	1.5	-	-	-
SBP-HF 2 06 13	42.44	34.39	24.73	12.08	9.09	5.52	1.84	-	-
SBP-HF 3 06 13	67.28	38	27.03	14.00	9.09	5.52	1.84	0.69	-
SBP-HF 2 13 22	175.26	143.8	102	66.33	44.67	24.67	2.88	-	-
SBP-HF 3 13 22	297.6	178.3	106.1	66.3	44.7	24.7	2.9	-	-

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

	0	100	200	300	400	500	600
SBP-HF 2 03 7	-	0.48	1.27	2.51	4.59	9.26	12
SBP-HF 2 06 13	-	0.1	0.27	0.55	1.18	2.01	3.47
SBP-HF 3 06 13	-	0.1	0.27	0.55	1.18	2.01	3.47
SBP-HF 2 13 22	-	0.04	0.08	0.14	0.23	0.42	1.84
SBP-HF 3 13 22	-	0.04	0.08	0.14	0.24	0.46	1.96

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.01.01715**Ordering Data Accessories 10.02.01.01715**

Typ	Item number
Mounting bracket	BEF-WIN 30x40x25.5 4 SFE-7 10.08.03.00313

**Ordering Data Spare Parts 10.02.01.01715**

Typ	Item number
Ejector module	SEP HF 2 03 7 10.02.01.01341
Schmalz Holder Cap	SHC 2 7 10.02.01.01510
Schmalz Fixation Element	SFE 7 AL 10.02.01.01464

