

Art.-Nr.: 10.02.01.01606



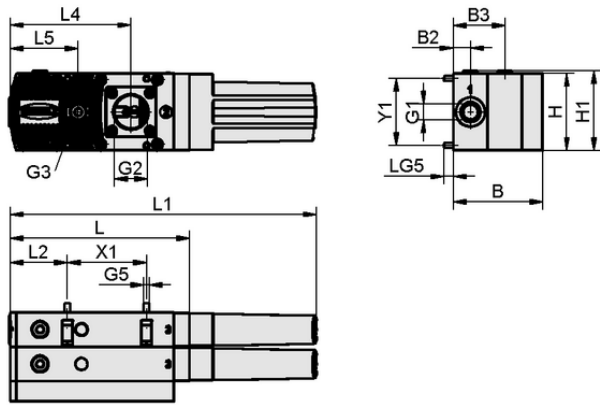
Technical data

Attribute	Value
Weight	1.100 kg
Air consumption suction	300.0 l/min
Suction rate (max.)	860.0 l/min
Size	100.00
Shape	High flow
Type	NPT

SBPL 100 HF NPT

The basic ejector SBPL is delivered as a ready-to-connect product.

Available accessories: retrofit kit, sealing plugs, vacuum manometer, quick exhaust valves, exhaust kit, retrofit kit, solenoid valves, vacuum cup filter, mounting brackets, vacuum hose, hose nozzle

**Design data**

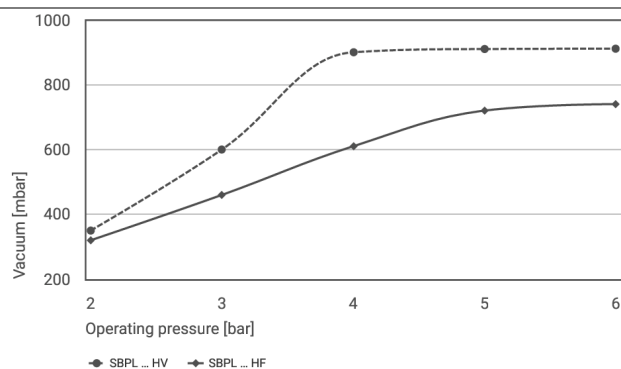
Attribute	Value
Length L1	285.30 mm
Length L2	54.00 mm
Length L	167.50 mm
Width B2	16.00 mm
Width B	83.00 mm
Height H1	74.00 mm
Height H	72.00 mm
Thread G1	NPT3/8"-F
Thread G2	NPT1-F
Length L4	113.00 mm
Width B3	48.00 mm
Hole spacing Y1	62.0 mm
Hole spacing X1	73.5 mm
Thread length LG5	8.5 mm
Length L5	64.00 mm
Thread G3	NPT1/4"-F
Thread G5	M5-M

Design data SBPL 100 HF NPT

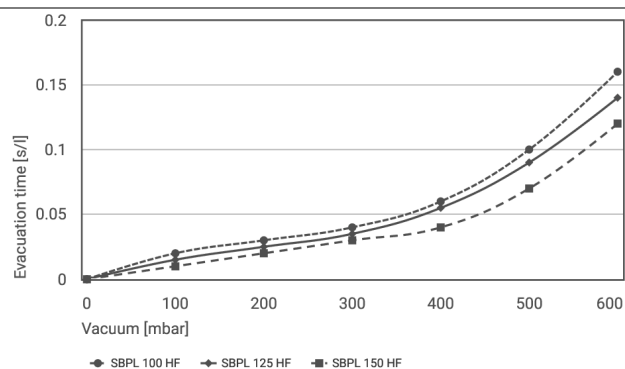
**Technical data**

Attribute	Value
Recommended hose internal diameter compressed air	9.0 mm
Recommended hose internal diameter vacuum	32.0 mm
Degree of evacuation	60.0 %
Max. vacuum	17.718 inHg
Sound pressure level suction	58.0 dB(A)
Sound pressure level free	69.0 dB(A)
Weight	1.100 kg
Air consumption suction	18.500 m³/h
Size	100.00
Pressure range (operating pressure) [bar]	2.0 ... 6.0 bar
Operating temperature	0 ... 60 °C
Suction rate (real)	51.600 m³/h
Suction rate (theoretical)	78.000 m³/h
Pressure range (operating pressure) [psi]	29.0 ... 87.0
Product family	SBPL

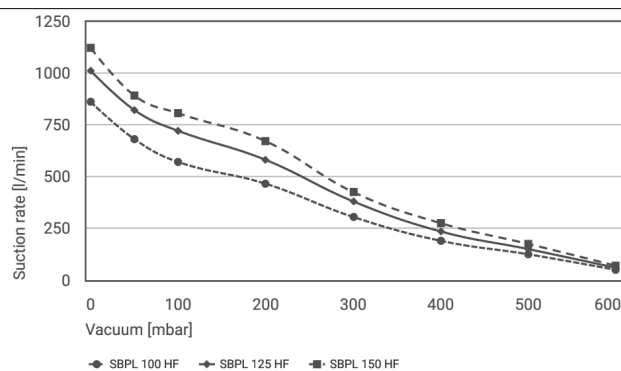
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**Performance data**

Achievable vacuum at various operating pressures



Evacuation time for various vacuum ranges [s/l]



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

**Achievable vacuum at various operating pressures**

	2	3	4	5	6
SBPL ... HV	350.00	600.00	900.00	910.00	911.00
SBPL ... HF	320.00	460.00	610.00	720.00	740.00



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

	0	100	200	300	400	500	600
SBPL 100 HF	-	0.02	0.03	0.04	0.06	0.10	0.16
SBPL 125 HF	-	0.015	0.025	0.035	0.055	0.09	0.14
SBPL 150 HF	-	0.01	0.02	0.03	0.04	0.07	0.12

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

	0	50	100	200	300	400	500	600
SBPL 100 HF	860	680	570	465	305	190	125	50
SBPL 125 HF	1010	820	720	580	380	235	150	60
SBPL 150 HF	1120	890	805	670	425	275	175	70

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.01.01606**Ordering Data Accessories 10.02.01.01606**

Typ		Item number
Mouting bracket (inst.)	BEF-WIN 72x25x77 SBPL/SCPL	10.02.01.01705
Vacuum gauge (electronic)	VAM-D 30x30 VP10 G1/8-AG	10.07.02.00055
Vacuum gauge	VAM 40 V DR BAR	10.07.02.00035
Solenoid valve pressure	EMV 3 24V-DC 2/2 NC K-2P	10.05.01.00366
Quick release valve	SEV G1/8-IG G1/4-AG	10.02.01.01471
Hose sleeve	ST 32 AL-EL	10.02.01.01681
Vacuum hose (meter)	VSL 27-20 PU-DS-AS TR	10.07.09.00047
Vacuum hose (meter)	VSL 32-25 PU-DS-AS TR	10.07.09.00051
Vacuum hose (meter)	VSL 42-32 PU-DS-AS TR	10.07.09.00036
Exhaust air set	ABL-SET SBPL/SCPL M	10.02.01.01939
Exhaust air set	ABL-SET SBPL/SCPL L	10.02.01.01940
Dust filter	STF G1-1/4-IG N	10.07.01.00008
Retrofitting kit	SET SBPL/SCPL 125/150	10.02.01.01686
Extension (round)	VRL-R NPT1 50.3x39 AL	10.02.01.02097



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**Ordering Data Spare Parts 10.02.01.01606**

Typ		Item number
Set of spare parts	ERS SEP-22 6xRUE-KLAP	10.02.01.01450
Silencer (cube-shaped-inst.)	SD 102x71x33 SBPL/SCPL	10.02.01.01585
Ejector module	SEP HF 3 13 22	10.02.01.01348

**Ordering Data Wear Parts 10.02.01.01606**

Typ		Item number
Sealing frame	DI-RA 112.5x34.8 NBR-55 SBPL/SCPL	10.02.01.01541
Set of spare parts	ERS SEP-22 6xRUE-KLAP	10.02.01.01450
O-ring	O-RING 10x2.5 NBR-70	10.07.08.00002

