

Art.-Nr.: 10.02.01.01605



SBPL 50 HF NPT

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

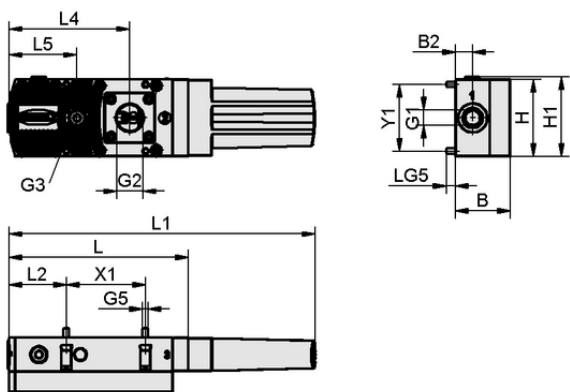
Available accessories: retrofit kit, sealing plugs, vacuum manometer, quick exhaust valves, exhaust kit, retrofit kit, solenoid valves, vacuum cup filter, mounting brackets, vacuum hose, hose nozzle

Technical data

Attribute	Value
Weight	0.750 kg
Air consumption suction	160.0 l/min
Suction rate (max.)	500.0 l/min
Size	50.00
Shape	High flow
Type	NPT

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	51.00 mm
Height H1	74.00 mm
Height H	72.00 mm
Thread G1	NPT3/8" -F
Thread G2	NPT3/4" -F
Length L4	113.00 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 50 HF NPT

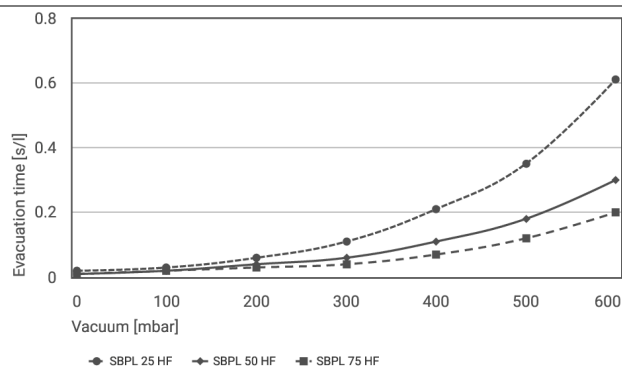
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**Technical data**

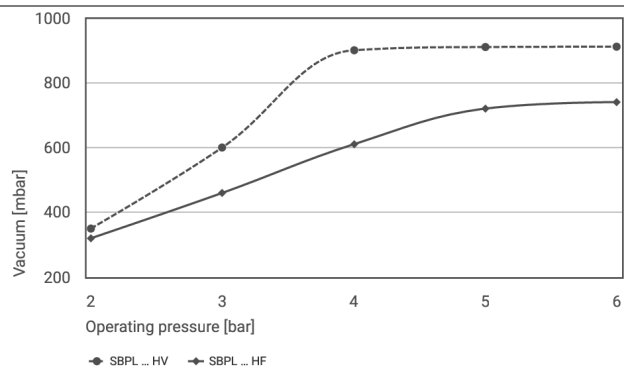
Attribute	Value
Recommended hose internal diameter compressed air	6.0 mm
Recommended hose internal diameter vacuum	25.0 mm
Degree of evacuation	60.0 %
Max. vacuum	17.718 inHg
Sound pressure level suction	55.0 dB(A)
Sound pressure level free	65.0 dB(A)
Weight	0.750 kg
Air consumption suction	9.750 m ³ /h
Size	50.00
Pressure range (operating pressure) [bar]	2.0 ... 6.0 bar
Operating temperature	0 ... 60 °C
Suction rate (real)	30.000 m ³ /h
Suction rate (theoretical)	39.000 m ³ /h
Pressure range (operating pressure) [psi]	29.0 ... 87.0
Product family	SBPL



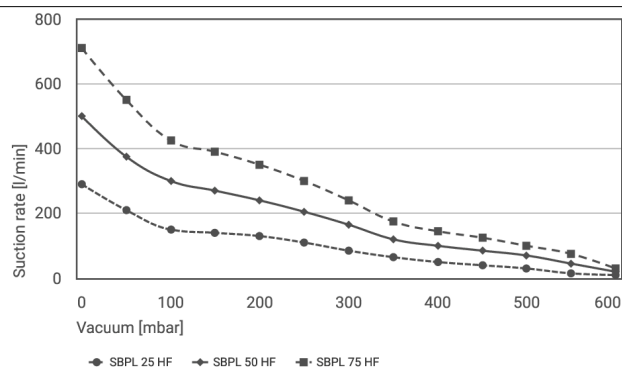
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**Performance data**

Evacuation time for various vacuum ranges [s/l]



Achievable vacuum at various operating pressures



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

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

	0	100	200	300	400	500	600
SBPL 25 HF	0.02	0.03	0.06	0.11	0.21	0.35	0.61
SBPL 50 HF	0.01	0.02	0.04	0.06	0.11	0.18	0.30
SBPL 75 HF	0.01	0.02	0.03	0.04	0.07	0.12	0.20



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**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

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

	0	50	100	150	200	250	300	350	400	450	500	550	600
SBPL 25 HF	290.00	210.00	150.00	140.00	130.00	110.00	85.00	65.00	50.00	40.00	30.00	15.00	10.00
SBPL 50 HF	500.00	375.00	300.00	270.00	240.00	205.00	165.00	120.00	100.00	85.00	70.00	45.00	20.00
SBPL 75 HF	710.00	550.00	425.00	390.00	350.00	300.00	240.00	175.00	145.00	125.00	100.00	75.00	30.00

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.01.01605**Ordering Data Accessories 10.02.01.01605**

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 25 AL-EL	10.02.01.01680
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
Vacuum cup filter	VFT G3/4-IG 80	10.07.01.00128
Retrofitting kit	SET SBPL/SCPL 75/100	10.02.01.01685
Extension (round)	VRL-R NPT3/4 44.5x39 AL	10.02.01.02094



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**Ordering Data Spare Parts 10.02.01.01605**

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 10.02.01.01605**

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

