

Basic Ejector

SBPL 100 HV



Art.-Nr.: 10.02.01.01591



SBPL 100 HV

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

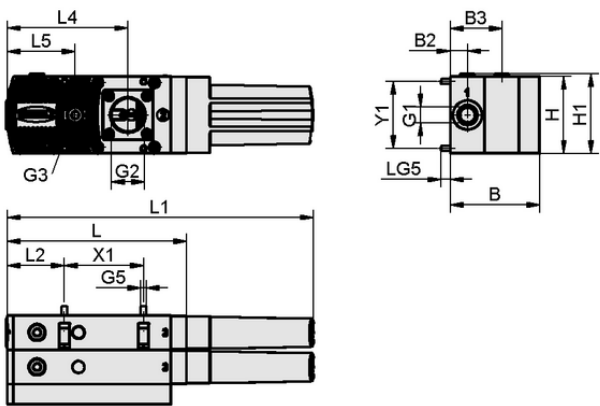
Available accessories: retrofit kit, sealing plugs, vacuum manometer, quick exhaust valves, exhaust kit, retrofit kit, solenoid valves, vacuum cup filter, mounting brackets, vacuum hose, hose nozzle

Technical data

Attribute	Value
Weight	1.100 kg
Air consumption suction	395.0 l/min
Suction rate (max.)	870.0 l/min
Size	100.00
Shape	High vacuum

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	G3/8"-F
Thread G2	G1"-F
Length L4	113.00 mm



Design data SBPL 100 HV



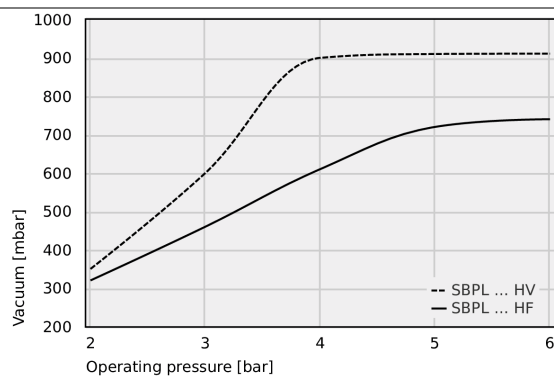
Art.-Nr.: 10.02.01.01591

**Technical data**

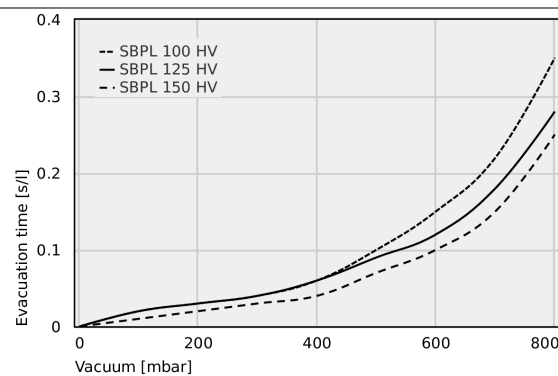
Attribute	Value
Recommended hose internal diameter compressed air	9.0 mm
Recommended hose internal diameter vacuum	32.0 mm
Degree of evacuation	90.0 %
Max. vacuum	26.577 inHg
Sound pressure level suction	64.0 dB(A)
Sound pressure level free	70.0 dB(A)
Weight	1.100 kg
Air consumption suction	24.500 m ³ /h
Suction rate (max.)	870.0 l/min
Size	100.00
Pressure range (operating pressure) [bar]	29.0 ... 87.0
Operating temperature	0 ... 60 °C
Suction rate	79.200 m ³ /h
Product family	SBPL



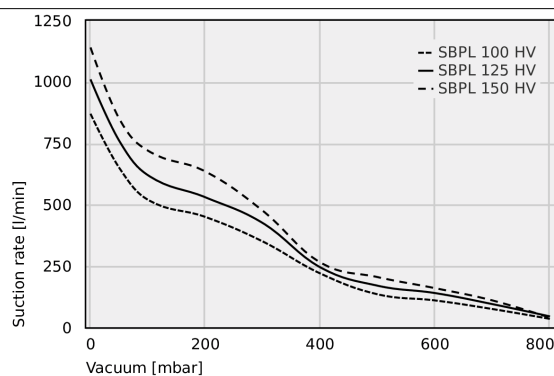
Art.-Nr.: 10.02.01.01591

**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



Art.-Nr.: 10.02.01.01591

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

	0	100	200	300	400	500	600	700	800
SBPL 100 HV	-	0.02	0.03	0.04	0.06	0.1	0.15	0.22	0.35
SBPL 125 HV	-	0.02	0.03	0.04	0.06	0.09	0.12	0.18	0.28
SBPL 150 HV	-	0.01	0.02	0.03	0.04	0.07	0.1	0.15	0.25

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

	0	50	100	200	300	400	500	600	700	800
SBPL 100 HV	870	650	520	450	350	220	135	110	75	35
SBPL 125 HV	1010	760	620	530	425	245	170	140	95	45
SBPL 150 HV	1140	850	720	635	475	265	205	160	110	40

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.01.01591**Ordering Data Accessories 10.02.01.01591**

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
Vacuum/pressure switch	VS i V D M8-4	10.06.02.00577
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 125/150	10.02.01.01686



Art.-Nr.: 10.02.01.01591

**Ordering Data Spare Parts 10.02.01.01591**

Typ		Item number
Ejector module	SEP HV 3 16 22	10.02.01.01397
Silencer (cube-shaped-inst.)	SD 102x71x33 SBPL/SCPL	10.02.01.01585

**Ordering Data Wear Parts 10.02.01.01591**

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

