

Basic Ejector

# SBPL 75 HF



Art.-Nr.: 10.02.01.01650



SBPL 75 HF

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

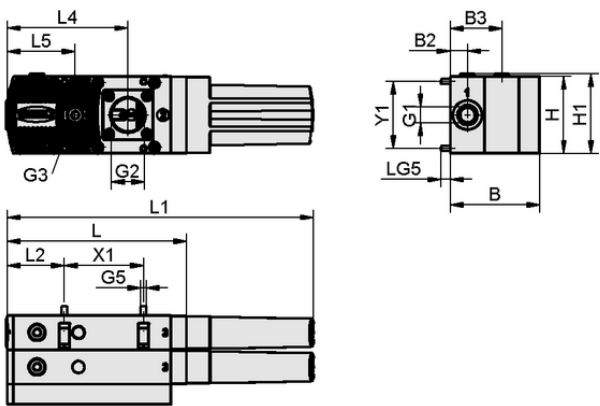
Available accessories: retrofit kit, sealing plugs, vacuum manometer, quick exhaust valves, exhaust kit, retrofit kit, solenoid valves, vacuum cup filter, mounting brackets, vacuum hose, hose nozzle

### Technical data

| Attribute               | Value       |
|-------------------------|-------------|
| Weight                  | 1.100 kg    |
| Air consumption suction | 230.0 l/min |
| Suction rate (max.)     | 710.0 l/min |
| Size                    | 75.00       |
| Shape                   | High flow   |

### 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 |



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**Technical data**

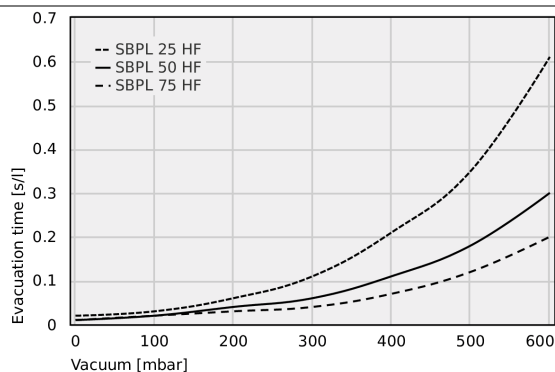
| Attribute                                         | Value                    |
|---------------------------------------------------|--------------------------|
| Recommended hose internal diameter compressed air | 9.0 mm                   |
| Recommended hose internal diameter vacuum         | 32.0 mm                  |
| Degree of evacuation                              | 60.0 %                   |
| Max. vacuum                                       | 17.718 inHg              |
| Sound pressure level suction                      | 57.0 dB(A)               |
| Sound pressure level free                         | 67.0 dB(A)               |
| Weight                                            | 1.100 kg                 |
| Air consumption suction                           | 14.000 m <sup>3</sup> /h |
| Suction rate (max.)                               | 710.0 l/min              |
| Size                                              | 75.00                    |
| Pressure range (operating pressure) [bar]         | 29.0 ... 87.0            |
| Operating temperature                             | 0 ... 60 °C              |
| Suction rate                                      | 58.500 m <sup>3</sup> /h |
| Product family                                    | SBPL                     |



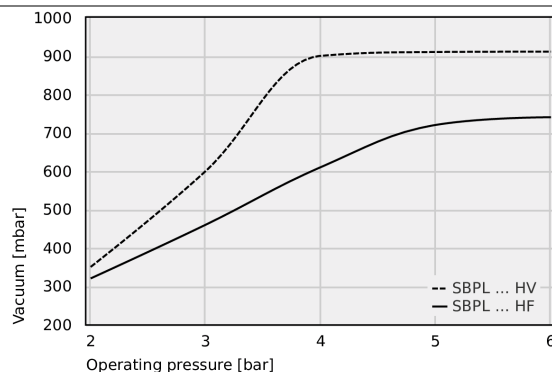
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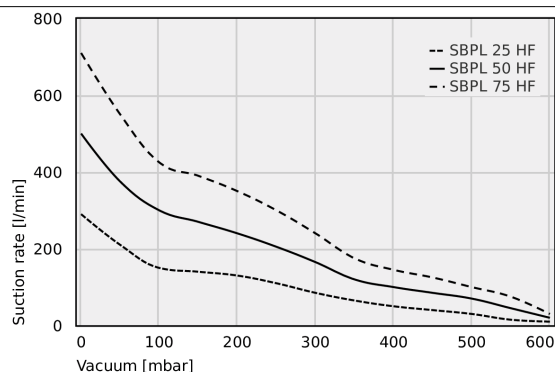
## Performance data



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/10.02.01.01650](http://www.schmalz.com/10.02.01.01650)



### Ordering Data Accessories 10.02.01.01650

| 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    | VSi 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 G3/4-IG N              | 10.07.01.00007 |



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**Ordering Data Spare Parts 10.02.01.01650**

| Typ                          |                        | Item number    |
|------------------------------|------------------------|----------------|
| 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 10.02.01.01650**

| 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 |

