

Compact ejector

SCPb-FS 20 NO RP



Art.-Nr.: 10.02.02.05561



SCPb-FS 20 NO RP

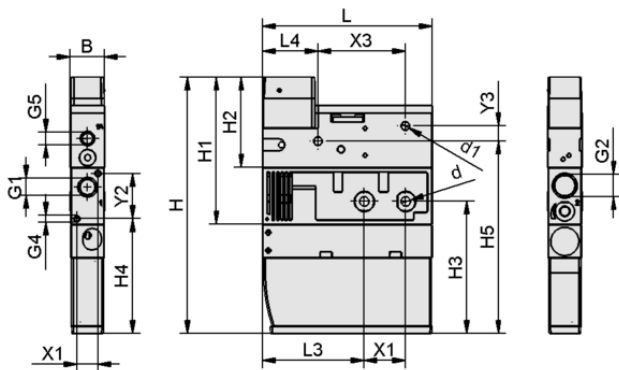
The compact ejector SCPb / SCPi FS RP is supplied as a ready-to-connect product (without connection cable).

Available spare parts: Silencer

Available accessories: Connection cable

Technical data

Attribute	Value
Max. vacuum	-850 mbar
Sound pressure level free	76.0 dB(A)
Air consumption suction	190.0 l/min
Suction rate (max.)	135.0 l/min
Pressure range (operating pressure) [bar]	4.0 ... 7.0 bar
Shape compact ejectors	Pneumatic control
Control valve	Normally open
Functionality of the ejector	pneumatic air-saving function
Switch-on value regulation	-630.00 mbar



Design data SCPb-FS 20 NO RP

Design data

Attribute	Value
Length L	112.50 mm
Width B	22.80 mm
Height H1	98.00 mm
Height H2	60.00 mm
Height H	170.00 mm
Internal diameter d1	5.5 mm
Internal diameter d	6.40 mm
Thread G1	G1/4"-F
Thread G2	G3/8"-F
Length L3	67.50 mm



Art.-Nr.: 10.02.02.05561

**Technical data**

Attribute	Value
Nozzle diameter	2.0 mm
Recommended hose internal diameter compressed air	6.0 mm
Recommended hose internal diameter vacuum	8.0 mm
Degree of evacuation	85.0 %
Sound pressure level free	76.0 dB(A)
Weight	585.000 kg
Max. air consumption blow-off	310.0 l/min
Air consumption suction	6.709 cfm
Suction rate (max.)	4.767 cfm
Pressure range (operating pressure) [bar]	58.0 ... 101.5
Operating temperature	5 ... 50 °C
Air consumption blow-off	10.947 cfm
Max. vacuum	-25.100 inHg
Product family	SCPb
Control valve	Normally open



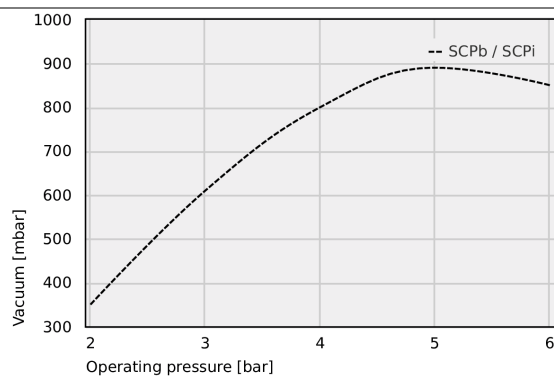
Compact ejector SCPb-FS 20 NO RP



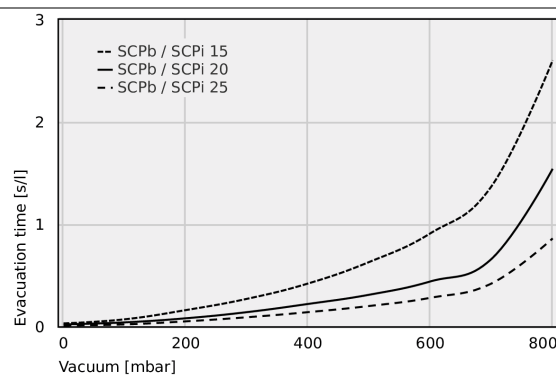
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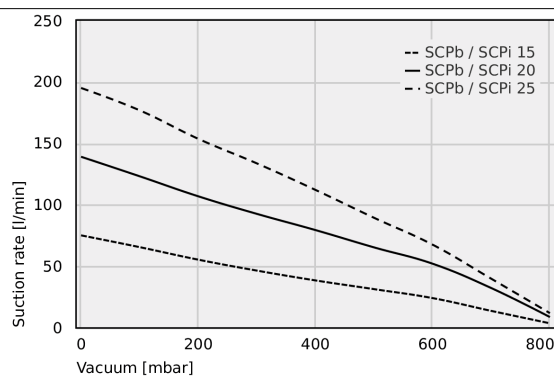
Performance data



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
SCPb / SCPI	350	610	800	890	850



Art.-Nr.: 10.02.02.05561

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

	0	100	200	300	400	500	600	700	800
SCPb / SCPi 15	0.03	0.07	0.16	0.27	0.42	0.63	0.91	1.37	2.60
SCPb / SCPi 20	0.02	0.04	0.08	0.14	0.22	0.31	0.44	0.66	1.54
SCPb / SCPi 25	0.01	0.02	0.05	0.09	0.14	0.20	0.28	0.42	0.86

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

	0	100	200	300	400	500	600	700	800
SCPb / SCPi 15	75.0	65.4	55.2	46.3	38.3	31.2	23.9	13.5	3.4
SCPb / SCPi 20	139.0	123.1	106.8	92.5	79.3	65.2	51.9	32.1	8.5
SCPb / SCPi 25	195.0	176.8	153.6	133.6	112.0	89.3	67.4	39.7	11.7

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.02.05561**Ordering Data Spare Parts 10.02.02.05561**

Typ	Item number
Silencer (cube-shaped) SD 111x21x45 SMPi/SCPi	10.02.02.03381

