

Art.-Nr.: 10.02.02.05065



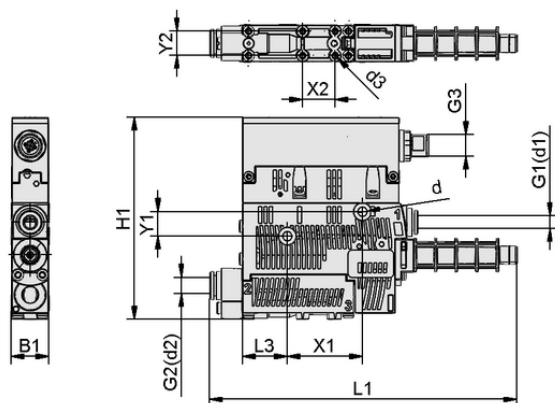
SCPSi-UHV-HD 16 G02 NC

Technical data

Attribute	Value
Nozzle diameter	1.6 mm
Shape compact ejectors	HD
Electrical connection	Male connect M12, 5 pol
Protection type IP	IP 65 (with plug)
Max. vacuum	-910 mbar
Sound pressure level free	75.0 dB(A)
Air consumption suction	105.6 l/min
Suction rate (max.)	53.2 l/min
Connection	G1/8" (1)-G1/8" (2)
Pressure range (operating pressure) [bar]	3.0 ... 6.0 bar

Compact ejector SCPSb- / SCPS- / SCPSc- / SCPSi-UHV-HD is delivered as a ready-to-connect product (without connection cable).

Available accessories: connection cable, distributor, top-hat rail clamp, filter, compressed air connection plate, mounting set



Design data SCPSi-UHV-HD 16 G02 NC

Design data

Attribute	Value
Length L1	148.40 mm
Length L2	91.50 mm
Length L	134.90 mm
Width B1	18.60 mm
Width B	18.00 mm
Height H2	40.80 mm
Height H	99.00 mm
Outside diameter D2	8.9 mm
Outside diameter D	16.50 mm
Internal diameter d	4.40 mm



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**Technical data**

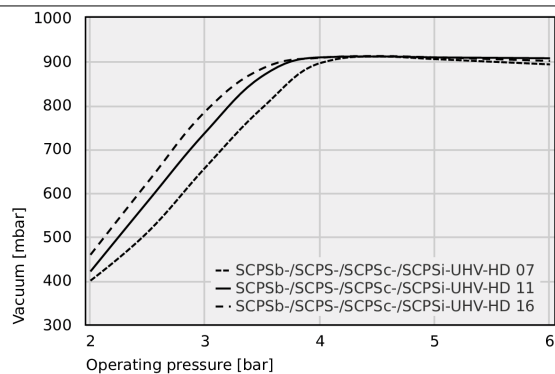
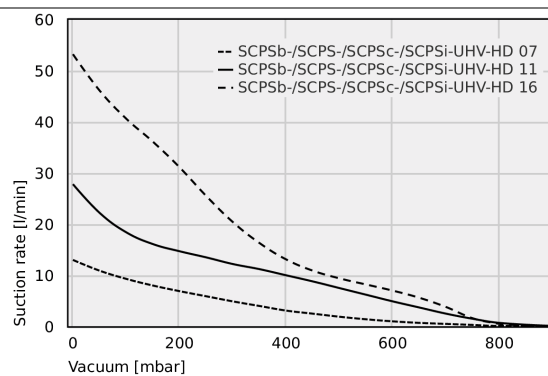
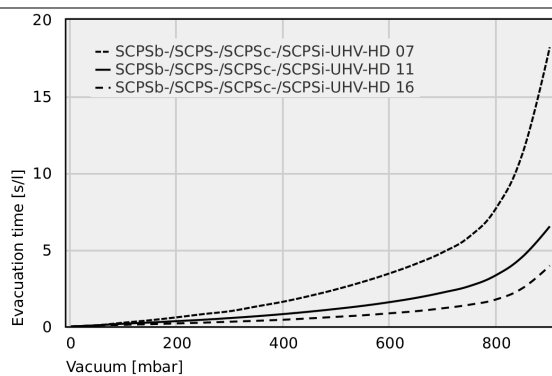
Attribute	Value
Degree of evacuation	91.0 %
Sound pressure level suction	77.0 dB(A)
Sound pressure level free	75.0 dB(A)
Weight	0.210 kg
Max. air consumption blow-off	120.0 l/min
Air consumption blow-off	4.237 cfm
Air consumption suction	3.729 cfm
Suction rate (max.)	1.878 cfm
Pressure range (operating pressure) [bar]	43.5 ... 87.0
Operating temperature	0 ... 50 °C
Max. vacuum	-26.872 inHg
Product family	SCPSi-UHV-HD
Nozzle size	16
Connection	G02
Electrical connection	M12-5
Control valve	Normally closed



Art.-Nr.: 10.02.02.05065



Performance data



Art.-Nr.: 10.02.02.05065

	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
SCPSb-/SCPS-/SCPSc-/SCPSi-UHV-HD 07	0.00	0.08	0.25	0.41	0.60	0.81	1.00	1.31	1.62	2.00	2.43	2.92	3.47	4.10	4.85	5.88	7.75	11.39	18.19
SCPSb-/SCPS-/SCPSc-/SCPSi-UHV-HD 11	0.00	0.08	0.18	0.26	0.35	0.44	0.55	0.67	0.81	0.97	1.15	1.35	1.59	1.87	2.22	2.64	3.36	4.58	6.52
SCPSb-/SCPS-/SCPSc-/SCPSi-UHV-HD 16	0.00	0.07	0.11	0.15	0.20	0.25	0.31	0.37	0.44	0.53	0.63	0.73	0.86	1.00	1.19	1.42	1.77	2.52	3.96

	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	900
SCPSb-/SCPS-/SCPSc-/SCPSi-UHV-HD 07	13.0	10.9	9.3	8.0	6.9	5.9	4.9	4.0	3.1	2.5	1.9	1.4	1.0	0.7	0.5	0.3	0.1	0.1
SCPSb-/SCPS-/SCPSc-/SCPSi-UHV-HD 11	27.8	22.2	18.4	16.1	14.7	13.5	12.2	11.2	10.0	8.8	7.5	6.2	4.9	3.7	2.5	1.5	0.7	0.1
SCPSb-/SCPS-/SCPSc-/SCPSi-UHV-HD 16	53.2	46.1	40.6	36.1	31.1	25.5	20.4	16.3	13.1	10.9	9.4	8.2	7.0	5.6	3.8	1.6	0.5	0.1

	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
SCPSb-/SCPS-/SCPSc-/SCPSi-UHV-HD 07	400	511	658	795	896	911	905	899	893
SCPSb-/SCPS-/SCPSc-/SCPSi-UHV-HD 11	421	581	738	867	909	911	909	908	907
SCPSb-/SCPS-/SCPSc-/SCPSi-UHV-HD 16	459	625	786	884	908	912	909	905	901



Art.-Nr.: 10.02.02.05065

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.02.05065**Ordering Data Accessories 10.02.02.05065**

Typ		Item number
Connection cable	ASK B-M12-5 5000 K-5P	21.04.05.00080
Connection cable	ASK B-M12-5 1000 S-M12-5	21.04.05.00158
Connection cable	ASK B-M12-5 2000 S-M12-5	21.04.05.00211
Distributor	ASV SM/CPi B-M12-5 2xS-M12-4	10.02.02.03490
Top-hat rail clamp comp.	HUT-SN-KL 75x18x9 SCPS	10.02.02.04149
Vacuum filter (inline)	VFI CN8/6 50	10.07.01.00245
Vacuum cup filter	VFT G1/4-IG 80	10.07.01.00119

**Ordering Data Spare Parts 10.02.02.05065**

Typ		Item number
Silencer (round)	SD 16.5x51 SCPS	10.02.02.05094
Vacuum set, ejector (inst.)	VACU-SET 16 12.80x76.60 SCPS	10.02.02.05052
Maintenance set ejector	WART SCPS/SCPSi-HD	10.02.02.06343

