

Art.-Nr.: 10.02.02.05234



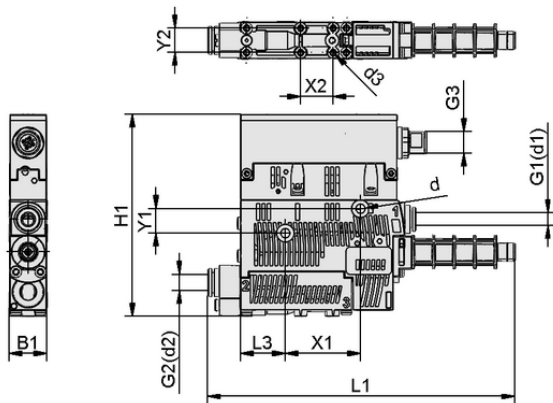
SCPS-UHV-HD 16 G02 NC NPN

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

Technical data

Attribute	Value
Nozzle diameter	1.6 mm
Shape compact ejectors	HD
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
Control valve	Normally closed



Design data SCPS-UHV-HD 16 G02 NC NPN

Design data

Attribute	Value
Length L1	148.40 mm
Length L2	91.50 mm
Length L	135.00 mm
Width B1	18.60 mm
Width B	18.00 mm
Height H2	40.80 mm
Outside diameter D2	9.0 mm
Outside diameter D	16.50 mm
Internal diameter d	4.40 mm
Thread G1	G1/8"-F

Art.-Nr.: 10.02.02.05234

**Technical data**

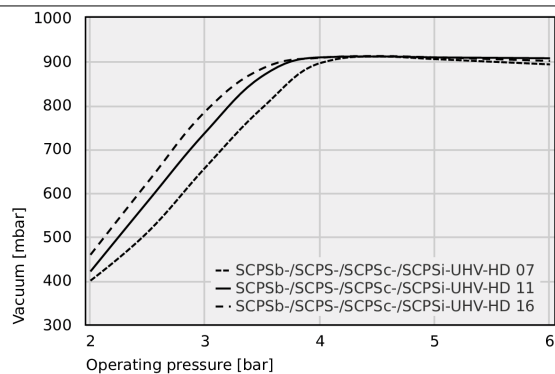
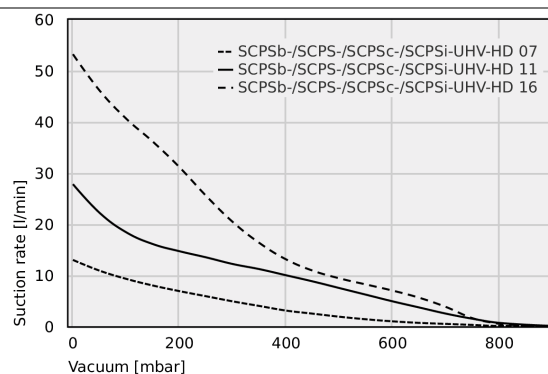
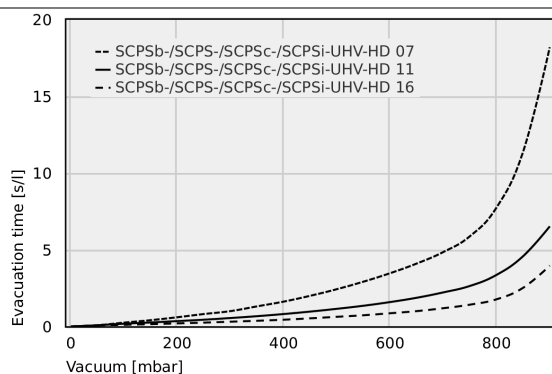
Attribute	Value
Degree of evacuation	91.0 %
Sound pressure level suction	77.0 dB(A)
Sound pressure level free	75.0 dB(A)
Weight	0.210 kg
Max. air consumption blow-off	120.0 l/min
Air consumption blow-off	4.237 cfm
Air consumption suction	3.729 cfm
Suction rate (max.)	1.878 cfm
Pressure range (operating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



Art.-Nr.: 10.02.02.05234



Performance data



Art.-Nr.: 10.02.02.05234

	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.: 10.02.02.05234

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.02.05234**Ordering Data Accessories 10.02.02.05234**

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 10.02.02.05234**

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

