

Art.-Nr.: 10.02.02.08335



SCPMb-Q 03 S01 IMP

The compact ejector SCPM-Q is delivered as a ready-to-connect product (without a connection cable).

Available spare parts: valve set, piston module, solenoid valve, control unit, nozzle string, main body, basic set

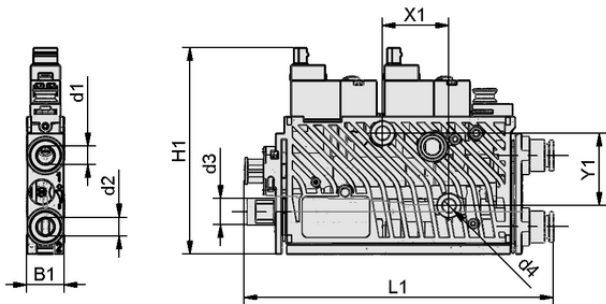
Available accessories: connection cable, mounting kit, connection adapter for SCPM, exhaust air kit, threaded adapter, plug-in screw union, vacuum filter

Technical data

Attribute	Value
Protection type IP	IP 40 (with plug)
Nozzle size	0.3 mm
Max. vacuum	870 mbar
Sound pressure level free	51.0 dB(A)
Air consumption suction	3.5 l/min
Suction rate (max.)	2.2 l/min
Connection	Hose D4(1)-D4(2)
Pressure range (operating pressure) [bar]	3.0 ... 6.0 bar
Control valve	Impulse valve

Design data

Attribute	Value
Length L1	99.60 mm
Width B1	12.00 mm
Height H1	68.20 mm
Internal diameter d1	4.2 mm
d2	4.2 mm
Hole size d3	8.7 mm
Hole spacing Y1	24.0 mm
Hole spacing X1	22.0 mm
Hole size d4	4.5 mm



Design data SCPMb-Q 03 S01 IMP

Art.-Nr.: 10.02.02.08335

**Technical data**

Attribute	Value
Control valve	IMP
Nozzle size	0.3 mm
Recommended hose internal diameter compressed air	2.0 mm
Recommended hose internal diameter vacuum	2.0 mm
Degree of evacuation	87.0 %
Max. vacuum	870 mbar
Sound pressure level suction	42.0 dB(A)
Sound pressure level free	51.0 dB(A)
Weight	78.20 g
Max. air consumption blow-off	64.0 l/min
Air consumption suction	3.5 l/min
Suction rate (max.)	2.2 l/min
Optimal operating pressure	4.00 bar
Connection	Hose D4(1)-D4(2)
Pressure range (operating pressure) [bar]	3.0 ... 6.0 bar
Operating temperature	0 ... 50 °C
Product family	SCPMb-Q



Mini compact ejector

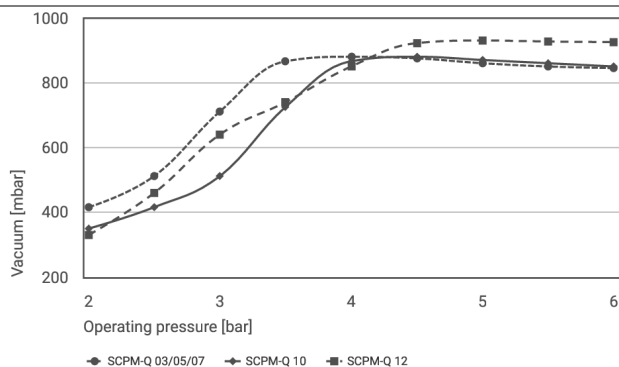
SCPMb-Q 03 S01 IMP



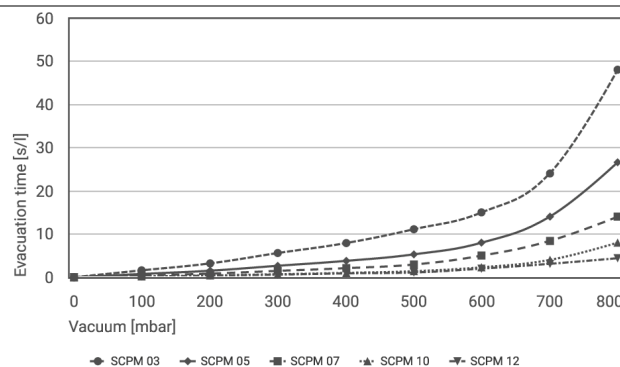
Art.-Nr.: 10.02.02.08335



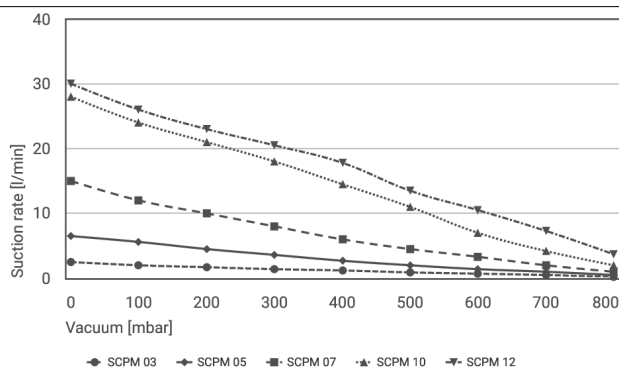
Performance data



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

Typ	2	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
SCPM-Q 03/05/07	416	512	711	866	880	875	860	850	845
SCPM-Q 10	350	416	512	725	866	880	870	860	850
SCPM-Q 12	330	460	640	740	850	922	930	927	925



Art.-Nr.: 10.02.02.08335

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

Typ	0	100	200	300	400	500	600	700	800
SCPM 03	0.00	1.60	3.20	5.60	7.90	11.10	15.00	24.00	48.00
SCPM 05	0.00	0.76	1.51	2.65	3.78	5.29	8.00	14.00	26.60
SCPM 07	0.00	0.42	0.84	1.47	2.10	2.94	5.00	8.40	14.00
SCPM 10	0.00	0.20	0.40	0.70	1.00	1.40	2.30	4.00	8.00
SCPM 12	0.00	0.18	0.38	0.60	0.90	1.10	2.00	3.10	4.40

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

Typ	0	100	200	300	400	500	600	700	800
SCPM 03	2.5	2.0	1.7	1.4	1.2	0.9	0.7	0.5	0.2
SCPM 05	6.5	5.6	4.5	3.6	2.7	2.0	1.4	1.0	0.5
SCPM 07	15.0	12.0	10.0	8.0	6.0	4.5	3.3	2.0	1.0
SCPM 10	28.0	24.0	21.0	18.0	14.5	11.0	7.0	4.2	2.0
SCPM 12	30.0	26.0	23.0	20.5	17.8	13.5	10.5	7.3	3.7

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.02.08335**Ordering Data Accessories 10.02.02.08335**

Typ		Item number
Connection cable	ASK B-MIC10 3000 K-2P	21.04.06.00086
Mounting set	SET SCPMb/c/i-Q	10.02.02.08390
Mounting bracket	BEF-WIN 15x45.6x50 1.5 SCPMb/c/i-Q	10.02.02.08391
Mounting bracket	BEF-WIN 12x45x50 SCPMb/c/i-Q	10.02.02.08392
Exhaust air set	ABL-SET SCPMi/c/b	10.02.02.06080
Thread adapter (inst)	ADP-G M7-IG 10.8x7.9 SCPMi/c/b	10.02.02.05522
Thread adapter (inst)	ADP-G M5-IG 10.5x8.6 SCPMi/c/b	10.02.02.05643
Plug union, straight	STV-GE M5-AG 4	10.08.02.00468
Plug union, straight	STV-GE M7-AG 6	10.08.02.00469
Vacuum filter (inline)	VFI 6/4 50	10.07.01.00328



Mini compact ejector

SCPMb-Q 03 S01 IMP



Art.-Nr.: 10.02.02.08335



Ordering Data Spare Parts 10.02.02.08335

Typ		Item number
Nozzle body (inst)	DUES-STOC 0.3/0.7 SCPMicb-Q 03	10.02.02.08243
Basic body (cube-shaped-inst.)	GK 88.25x12x49.7 SCPMicb-Q	10.02.02.07905
Basis Set	SET SCPMicb-Q	10.02.02.08250



Ordering Data Wear Parts 10.02.02.08335

Typ		Item number
Valve unit	VENT-EINH IMP	10.02.02.08237
Piston (inst.)	KOLB 10.6x70.5	10.02.02.07885
Solenoid valve	EMV 0.7 24V-DC 3/2 NC H FLAN	10.05.01.00395



WWW.SCHMALZ.COM/10.02.02.08335