

Mini Compact Valves SCPM EV



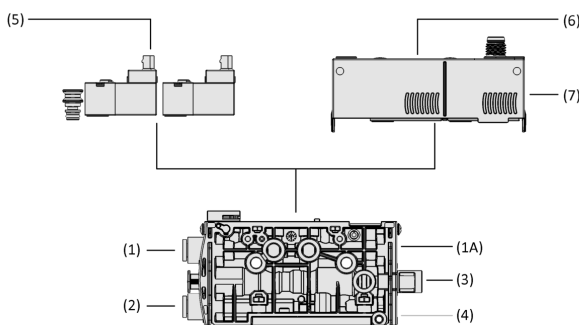
Suitability for Industry Specific Applications



Applications

- Application in vacuum systems for controlling the gripping and depositing of workpieces
- Use in combination with central electrical vacuum generators
- Use in combination with (compact) ejectors
- Compact design enables use in systems with confined space conditions

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Design

- Minimal footprint thanks to compact main body made from high-strength plastics with individual control module (7)
- 3-digit display with two-button operation and electrical connection M8, 6-pin plug (6)
- Pneumatic valves optionally integrated (6) or directly mounted (5) for switching function NO or NC
- Screw for adjusting blow off function (4)
- Compressed air connection (1) for pilot control and vacuum connection (2)
- Connection for external vacuum supply "EV" (1A)

System Design Mini Compact Valves SCPM EV

Product Highlights

- Valve with automatic internal blow off for reduced wiring effort
- Integrated valve and sensor functionalities for fast start of operations
- Intelligent valves for monitoring evacuation time and leakage in vacuum systems

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Ordering Data Mini Compact Valves SCPM EV

Type	Part no.
SCPMb EV S09 NC A13	10.02.02.06219
SCPMb EV S09 NO A16	10.02.02.06220
SCPMc EV S09 NC M8-6 PNP ABA	10.02.02.06211
SCPMc EV S09 NC M8-6 NPN BTU	10.02.02.06221
SCPMc EV S09 NO M8-6 PNP ABB	10.02.02.06217
SCPMc EV S09 NO M8-6 NPN BT1	10.02.02.06222
SCPMi EV S09 NC M8-6 ABO	10.02.02.06218
SCPMi EV S09 NO M8-6 B3R	10.02.02.06223

Ordering Data Accessories Mini Compact Valves SCPM EV

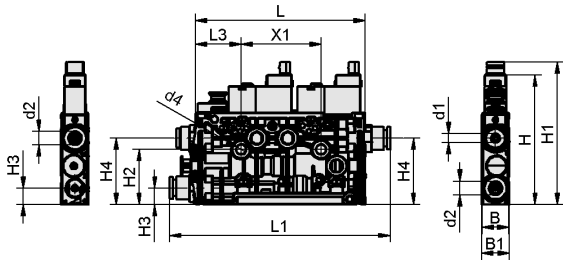
Accessories		Part no.
Connection cable	ASK WB-M8-6 2000 K-6P	21.04.05.00488
Connection cable	ASK WB-M8-6 2000 S-M12-5	21.04.05.00489
Connection cable	ASK B-M8-6 5000 K-6P	21.04.05.00255
Distributor	ASV SCPMi B-M8-6 2xS-M12-4	10.02.02.05602
Mounting set	SET SCPM MOUNT1	10.02.02.05805
Exhaust air set	ABL-SET SCPMi/c/b	10.02.02.06080
Plug union, straight	STV-GE M5-AG 4	10.08.02.00468
Plug union, straight	STV-GE M7-AG 6	10.08.02.00469
Mounting bracket	BEF-WIN 15x50x36.1 1.5 SCPM	10.02.02.05824
Thread adapter (inst)	ADP-G M5-IG 10.8x6 SCPMi/c/b	10.02.02.05778
Thread adapter (inst)	ADP-G M7-IG 10.8x7.9 SCPMi/c/b	10.02.02.05522

Technical Data Mini Compact Valves SCPM EV

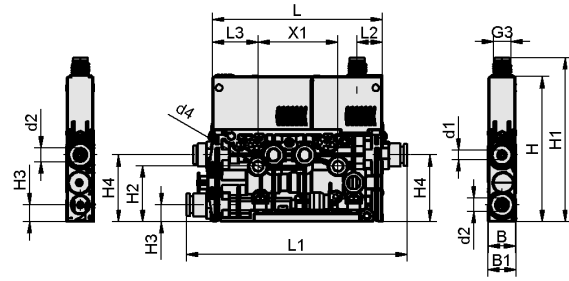
Type	Type	Control valve	Electrical connection	Connection	Suction rate (max.) [l/min]	Max. air consumption blow off [l/min]	Optimal operating pressure [bar]	Operating pressure	Operating temperature	Weight [g]
SCPMb EV S09 NC A13	-	Normally closed	-	Hose D6(1A)-D4(1)-D6(2)	33	10	4.5	4.0 ... 6.0 bar	0 ... 50 °C	75
SCPMb EV S09 NO A16	-	Normally open	-	Hose D6(1A)-D4(1)-D6(2)	33	10	4.5	4.0 ... 6.0 bar	0 ... 50 °C	75
SCPMc EV S09 NC M8-6 PNP ABA	PNP switching	Normally closed	Male connect M8, 6 pole	Hose D6(1A)-D4(1)-D6(2)	33	10	4.5	4.0 ... 6.0 bar	0 ... 50 °C	87
SCPMc EV S09 NC M8-6 NPN BTU	NPN switching	Normally closed	Male connect M8, 6 pole	Hose D6(1A)-D4(1)-D6(2)	33	10	4.5	4.0 ... 6.0 bar	0 ... 50 °C	87
SCPMc EV S09 NO M8-6 PNP ABB	PNP switching	Normally open	Male connect M8, 6 pole	Hose D6(1A)-D4(1)-D6(2)	33	10	4.5	4.0 ... 6.0 bar	0 ... 50 °C	87
SCPMc EV S09 NO M8-6 NPN BT1	NPN switching	Normally open	Male connect M8, 6 pole	Hose D6(1A)-D4(1)-D6(2)	33	10	4.5	4.0 ... 6.0 bar	0 ... 50 °C	87
SCPMi EV S09 NC M8-6 ABO	-	Normally closed	Male connect M8, 6 pole	Hose D6(1A)-D4(1)-D6(2)	33	10	4.5	4.0 ... 6.0 bar	0 ... 50 °C	87
SCPMi EV S09 NO M8-6 B3R	-	Normally open	Male connect M8, 6 pole	Hose D6(1A)-D4(1)-D6(2)	33	10	4.5	4.0 ... 6.0 bar	0 ... 50 °C	87

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Design Data Mini Compact Valves SCPM EV



SCPMb EV



SCPMc EV, SCPMi EV

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Design Data Mini Compact Valves SCPM EV

Type	B [mm]	B1 [mm]	d1 [mm]	d2 [mm]	d4 [mm]	G3	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	X1 [mm]
SCPMb	12	12.5	4.2	6.2	4.3	-	76.5	99.5	-	20.5	58.5	64.50	25.00	7.5	30	36
SCPMc	12	12.5	4.2	6.2	4.3	M8x1-M	76.5	99.4	11.4	20.5	65.3	73.91	24.95	7.5	30	36
SCPMi	12	12.5	4.2	6.2	4.3	M8x1-M	76.5	99.5	11.4	20.5	65.5	73.80	25.00	7.5	30	36