














Overview of Section 5



Vacuum generators

Everything at a glance













Designation	Basic data	Application areas	Page
 General information			5/5
Basic ejectors			
 Basic ejectors SEG	<ul style="list-style-type: none"> • Nozzle diameters 0.5 to 3.0 mm • Suction capacity up to 370 l/min • Max. vacuum 85% 	Basic ejector with robust housing for universal use.	5/9
 Basic ejectors SBP	<ul style="list-style-type: none"> • Nozzle diameters 0.5 to 2.5 mm • Suction capacity up to 215 l/min • Max. vacuum 85% 	The new plastic ejectors for very dynamic handling of air-tight parts.	5/15
 Basic ejectors SBP-C with additional functions	<ul style="list-style-type: none"> • Nozzle diameters 0.5 to 2.5 mm • Suction capacity up to 215 l/min • Max. vacuum 85% 	The new basic ejectors with integrated valve technology for optimised cycle times when gripping parts.	5/19
Inline ejectors			
 Inline ejectors SLP	<ul style="list-style-type: none"> • Nozzle diameters 0.5 to 0.7 mm • Suction capacity up to 16 l/min • Max. vacuum 85% 	The new inline ejectors, space-saving vacuum generation directly in the vacuum hose.	5/27
 Inline ejectors VR	<ul style="list-style-type: none"> • Nozzle diameters 0.5 to 0.9 mm • Suction capacity up to 21 l/min • Max. vacuum 90% 	Ejectors for inline installation – independent vacuum generation directly on the suction pad.	5/31
Multi-stage ejectors			
 Multi-stage ejectors SEM	<ul style="list-style-type: none"> • Multi-stage nozzle system • Suction capacity up to 2370 l/min. • Maximum vacuum 85% 	Ejectors with high suction capacity for fast and safe handling of porous workpieces and short cycle times.	5/35
 Multi-stage ejectors SEM-C with additional functions	<ul style="list-style-type: none"> • Multi-stage nozzle system • Suction capacity up to 673 l/min • Maximum vacuum 85% 	The ejector family with integrated monitoring and with a high suction capacity for safe and fast handling of porous materials in applications with short cycle times.	5/40
Compact ejectors			
 Compact ejectors Schmalz X-Pump SXP / SXMP	<ul style="list-style-type: none"> • Nozzle diameters 1.5 to 3.0 mm • Suction capacity up to 200 l/min • Max. vacuum 85% 	The new generation of vacuum compact ejectors with Condition Monitoring for the special tasks of the automotive sector and for use in automated vacuum systems.	5/45
 Compact ejectors SMP	<ul style="list-style-type: none"> • Nozzle diameters 1.5 to 3.0 mm • Suction capacity up to 200 l/min • Max. vacuum 85% 	The ejector family with integrated valves and monitoring, particularly suitable for extremely short cycles and maximum blow-off pulse.	5/51
 SMP compressed-air manifold GP	<ul style="list-style-type: none"> • For 2 to 6 compact ejectors 	Connection plate for the construction of compact-ejector blocks SMP.	5/56
 Compact ejectors SCP	<ul style="list-style-type: none"> • Nozzle diameters 1.0 to 3.0 mm • Suction capacity up to 200 l/min • Max. vacuum 85% 	The ejector family with integrated valves and monitoring, particularly suitable for short cycles, grip and blow-off functions.	5/58
 Compact ejectors SCP-FS	<ul style="list-style-type: none"> • Nozzle diameter 1.0 to 3.0 mm • Suction capacity up to 200 l/min • Max. vacuum 85% 	The ejector family for connection to field-bus systems, particularly suitable for short cycle times, with grip and blow-off functions.	5/63

Overview of Section 5



Vacuum generators

Everything at a glance

Designation	Basic data	Application areas	Page
Compact ejectors			
 SCP compressed-air manifold GP	<ul style="list-style-type: none"> For 2 to 6 compact ejectors 	Connection plate for the construction of compact-ejector blocks SCP.	5/66
 Compact ejectors SCPM	<ul style="list-style-type: none"> Nozzle diameters 0.5 to 1.0 mm Suction capacity 6 to 23 l/min Max. vacuum 85% 	The ejector family with integrated valves and monitoring, particularly suitable for the vacuum generation "on the job", with narrow place and high dynamic movement..	5/68
 Ejectors with blow-off system SEA	<ul style="list-style-type: none"> Nozzle diameter 1.0 mm Suction capacity 28 l/min Max. vacuum 90% 	High power – tiny dimensions. With integrated blow-off valve, inline installation recommended!	5/72
 Ejectors with blow-off system SEAC	<ul style="list-style-type: none"> Nozzle diameters 0.7 and 1.5 mm Suction capacity up to 71 l/min Max. vacuum 85% 	High performance combined with compact design. Integrated blow-off valve. Particularly suitable for highly dynamic systems.	5/75
 Connections SBUS	Air saving function and cable sets with M8 connection, valve shape C and 2 x valve shape C to male M12 connector as well as various M12-connectors	Cable sets for the connection of ejectors, valves and vacuum switches with M12 connectors to a wide range of components such as field-bus modules or M12 distribution boxes.	5/79
Ejectors (special versions)			
 Feed ejectors SEC	<ul style="list-style-type: none"> Diameters 10 to 75 mm Suction capacity up to 8640 l/min 	High extraction volume, for gripping very porous parts or pumping bulk materials.	5/81
Vacuum units			
 Vacuum unit VE/VER	<ul style="list-style-type: none"> Nozzle diameter 1.5 mm Suction capacity 69 l/min Max. vacuum 80% 	The complete unit, consisting of ejector and pressure reduction valve, for handling tasks. Pneumatic regulation optional.	5/83
Vacuum pumps			
 Dry-running vacuum pumps EVE-TR	<ul style="list-style-type: none"> Suction capacity up to 250 m³/h Max. vacuum 92% 	The pumps for manual and automatic handling non-porous workpieces with a constant evacuation volume.	5/85
 Oil-lubricated vacuum pumps EVE-OG	<ul style="list-style-type: none"> Suction capacity up to 250 m³/h Max. vacuum 98% 	The pumps for non-porous workpieces with a constant evacuation volume at maximum vacuum values.	5/92
 Water-ring pumps EVE-WR	<ul style="list-style-type: none"> Suction capacity up to 65 m³/h Max. vacuum 93% 	The ecological pumps – oil-free, maintenance-free, no external water connection needed.	5/96
 Vacuum reservoir VOL	<ul style="list-style-type: none"> Capacities of 5 to 200 litres 	Prevents sudden release of the workpiece in the case of a power failure.	5/99
 Vacuum centre VZ	<ul style="list-style-type: none"> Suction capacity up to 165 m³/h Max. vacuum 98% Reservoir capacity up to 200 litres 	The complete unit, consisting of pump, vacuum reservoir and non-return valve, for handling tasks. Electronic regulation optional.	5/101

Vacuum generators




5

Overview of Section 5



Vacuum generators

Everything at a glance

Designation	Basic data	Application areas	Page
Vacuum blowers			
	Vacuum blower SGBL-DG <ul style="list-style-type: none"> • Suction capacity up to 540 m³/h • Max. vacuum 42% 	Maximum volume flow for handling porous workpieces.	5/104
	Blower SGBL-DG with electro-pneumatic reversing <ul style="list-style-type: none"> • Suction capacity up to 540 m³/h • Max. vacuum 42% 	Maximum volume flow for handling porous workpieces. Electropneumatically reversing valve for blowing off standard.	5/109
	Frequency-regulated vacuum blower SGBL-FU <ul style="list-style-type: none"> • Suction capacity up to 350 m³/h • Max. vacuum 50% 	Vacuum blower with frequency control – the optimum power adjustment to meet all requirements. Reversing valve for blowing off available as option.	5/114