



Vacuum gripping systems | Area gripper FSG

Area gripper with sealing foam

Area gripper with sealing foam



Product notes

- > For automated handling of individual products or product layers without changing grippers
- > Low noise emissions for a pleasant working environment
- > With built-in ejectors or with connection to a central vacuum supply
- > With check valves or flow reduction
- > The sealing foam can be replaced quickly, non-destructively and without residues
- > Area grippers with check valves are suitable for swivel/tilt movements up to less than 90°
- > Equipped with vacuum gauge 91.005 as standard
- > Other sealing foams (height, shape) on request

Technical data

Item no.	Valve type	Vacuum generation	Number of suction cells	Working pressure [bar (psi)]	Air consumption at 6 bar (87 psi) [l/min]	Suction power at 6 bar (87 psi) [l/min]	Nominal flow rate [l/min]	Suction force at nominal power [N]	Vacuum level [mbar (inHg)]	Weight [kg]	Dimensions		
											A [mm]	Ø G [mm]	H [mm]
FSG.VG130.295.5F20C2	Check valve	with integrated ejectors	53	4 - 6 (58 - 87)	200	700	--	426	-550 (-16.2)	2.6	295	--	--
FSG.VG130.434.5F20C2	Check valve	with integrated ejectors	83	4 - 6 (58 - 87)	200	700	--	688	-550 (-16.2)	3.3	434	--	--
FSG.VG130.572.5F20C3	Check valve	with integrated ejectors	113	4 - 6 (58 - 87)	300	1,050	--	909	-550 (-16.2)	3.8	572	--	--
FSG.VG130.711.5F20C4	Check valve	with integrated ejectors	143	4 - 6 (58 - 87)	400	1,400	--	1,150	-550 (-16.2)	4.5	711	--	--
FSG.VG130.849.5F20C4	Check valve	with integrated ejectors	173	4 - 6 (58 - 87)	400	1,400	--	1,391	-550 (-16.2)	5.2	849	--	--
FSG.VG130.988.5F20C5	Check valve	with integrated ejectors	203	4 - 6 (58 - 87)	500	1,750	--	1,633	-550 (-16.2)	5.6	988	--	--
FSG.VG130.1126.5F20C6	Check valve	with integrated ejectors	233	4 - 6 (58 - 87)	600	2,100	--	1,874	-550 (-16.2)	7	1,126	--	--
FSG.VG130.1265.5F20C6	Check valve	with integrated ejectors	263	4 - 6 (58 - 87)	600	2,100	--	2,115	-550 (-16.2)	7.4	1,265	--	--
FSG.PG130.295.5F20C2	Flow reduction	with integrated ejectors	53	4 - 6 (58 - 87)	200	700	--	426	-550 (-16.2)	2.6	295	--	--
FSG.PG130.434.5F20C2	Flow reduction	with integrated ejectors	83	4 - 6 (58 - 87)	200	700	--	688	-550 (-16.2)	3.3	434	--	--
FSG.PG130.572.5F20C3	Flow reduction	with integrated ejectors	113	4 - 6 (58 - 87)	300	1,050	--	909	-550 (-16.2)	3.8	572	--	--
FSG.PG130.711.5F20C4	Flow reduction	with integrated ejectors	143	4 - 6 (58 - 87)	400	1,400	--	1,150	-550 (-16.2)	4.5	711	--	--
FSG.PG130.849.5F20C4	Flow reduction	with integrated ejectors	173	4 - 6 (58 - 87)	400	1,400	--	1,391	-550 (-16.2)	5.2	849	--	--
FSG.PG130.988.5F20C5	Flow reduction	with integrated ejectors	203	4 - 6 (58 - 87)	500	1,750	--	1,633	-550 (-16.2)	5.6	988	--	--



Technical data											Dimensions		
Item no.	Valve type	Vacuum generation	Number of suction cells	Working pressure [bar (psi)]	Air consumption at 6 bar (87 psi) [l/min]	Suction power at 6 bar (87 psi) [l/min]	Nominal flow rate [l/min]	Suction force at nominal power [N]	Vacuum level [mbar (inHg)]	Weight [kg]	A [mm]	Ø G [mm]	H [mm]
FSG.PG130.1126.5F20C6	Flow reduction	with integrated ejectors	233	4 - 6 (58 - 87)	600	2,100	--	1,874	-550 (-16.2)	7	1,126	--	--
FSG.PG130.1265.5F20C6	Flow reduction	with integrated ejectors	263	4 - 6 (58 - 87)	600	2,100	--	2,115	-550 (-16.2)	7.4	1,265	--	--
FSG.VG130.295.5F20T	Check valve	central vacuum supply	53	--	--	--	150	320	-300 (-8.9)	2.3	295	32.5	54
FSG.VG130.434.5F20T	Check valve	central vacuum supply	83	--	--	--	300	501	-300 (-8.9)	3	434	32.5	54
FSG.VG130.572.5F20T	Check valve	central vacuum supply	113	--	--	--	400	682	-300 (-8.9)	3.5	572	32.5	54
FSG.VG130.711.5F20T	Check valve	central vacuum supply	143	--	--	--	510	863	-300 (-8.9)	4.2	711	60	49
FSG.VG130.849.5F20T	Check valve	central vacuum supply	173	--	--	--	600	1,044	-300 (-8.9)	4.9	849	60	49
FSG.VG130.988.5F20T	Check valve	central vacuum supply	203	--	--	--	750	1,224	-300 (-8.9)	5.1	988	60	49
FSG.VG130.1126.5F20T	Check valve	central vacuum supply	233	--	--	--	850	1,405	-300 (-8.9)	6.6	1,126	60	49
FSG.VG130.1265.5F20T	Check valve	central vacuum supply	263	--	--	--	950	1,586	-300 (-8.9)	7	1,265	60	49
FSG.PG130.295.5F20T	Flow reduction	central vacuum supply	53	--	--	--	150	320	-300 (-8.9)	2.3	295	32.5	54
FSG.PG130.434.5F20T	Flow reduction	central vacuum supply	83	--	--	--	300	501	-300 (-8.9)	3	434	32.5	54
FSG.PG130.572.5F20T	Flow reduction	central vacuum supply	113	--	--	--	400	682	-300 (-8.9)	3.5	572	32.5	54
FSG.PG130.711.5F20T	Flow reduction	central vacuum supply	143	--	--	--	510	863	-300 (-8.9)	4.2	711	60	49
FSG.PG130.849.5F20T	Flow reduction	central vacuum supply	173	--	--	--	600	1,044	-300 (-8.9)	4.9	849	60	49
FSG.PG130.988.5F20T	Flow reduction	central vacuum supply	203	--	--	--	750	1,224	-300 (-8.9)	5.1	988	60	49
FSG.PG130.1126.5F20T	Flow reduction	central vacuum supply	233	--	--	--	850	1,405	-300 (-8.9)	6.6	1,126	60	49
FSG.PG130.1265.5F20T	Flow reduction	central vacuum supply	263	--	--	--	950	1,586	-300 (-8.9)	7	1,265	60	49

Hinweis

Die Saugkraft ist abhängig vom anzusaugenden Werkstück und der Vakuumerzeugung.
Für Typen mit integrierten Ejektoren kann der angegebene Vakuumgrad nur bei nichtdurchsaugenden Werkstücken erreicht werden.
Bei Typen mit externer Vakuumversorgung sind die Vakuumquelle und der Abstand zur Vakuumquelle für den Vakuumgrad und damit die Saugkraft entscheidend. Der angegebene Vakuumgrad und die angegebene Saugkraft dienen hier nur als beispielhaft Orientierung.
Durch den Einsatz verschiedener Vakuumerzeuger sind sowohl höhere, als auch niedrigere Vakuumgrade/Saugkräfte möglich.



Vacuum gripping systems | Area gripper FSG

Area gripper with sealing foam

Optional accessories and spare parts

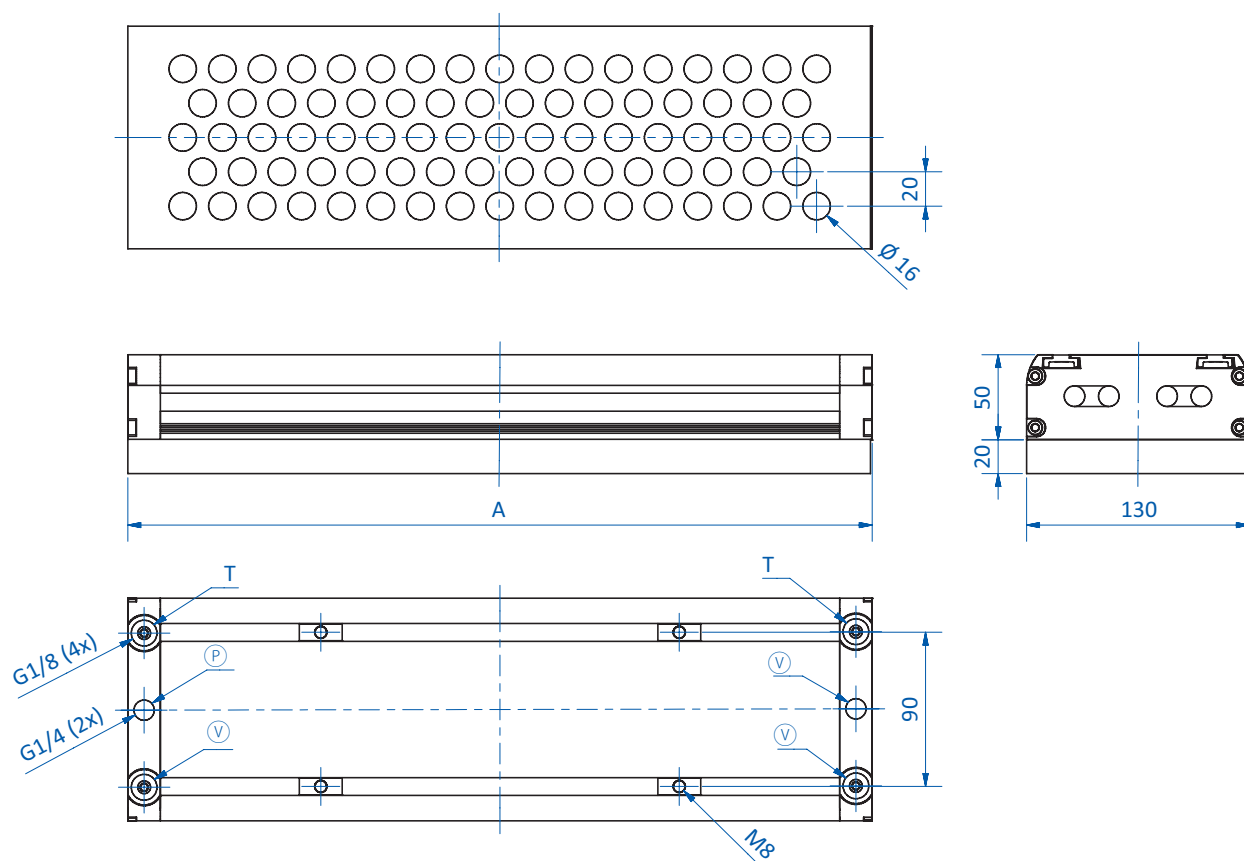
Optional accessories:

- > Electronic vacuum switch with display GS02.001
- > Electronic vacuum switch GS02.003
- > Electronic vacuum and pressure switch 20.026
- > Flange module for area gripper FSG.ACC130.0001
- > Slot nut 1x M8 for area gripper FSG.ACC130.0002
- > Optical sensor with sensor holder FSG.ACC130.0004

Spare parts:

- > Spare foam length 295 mm FSG.ACC130.295.5F20
- > Spare foam length 434 mm FSG.ACC130.434.5F20
- > Spare foam length 572 mm FSG.ACC130.572.5F20
- > Spare foam length 711 mm FSG.ACC130.711.5F20
- > Spare foam length 849 mm FSG.ACC130.849.5F20
- > Spare foam length 988 mm FSG.ACC130.988.5F20
- > Spare foam length 1126 mm FSG.ACC130.1126.5F20
- > Spare foam length 1265 mm FSG.ACC130.1265.5F20
- > Ejector for area gripper FSG.ACC130.0003

Dimensions

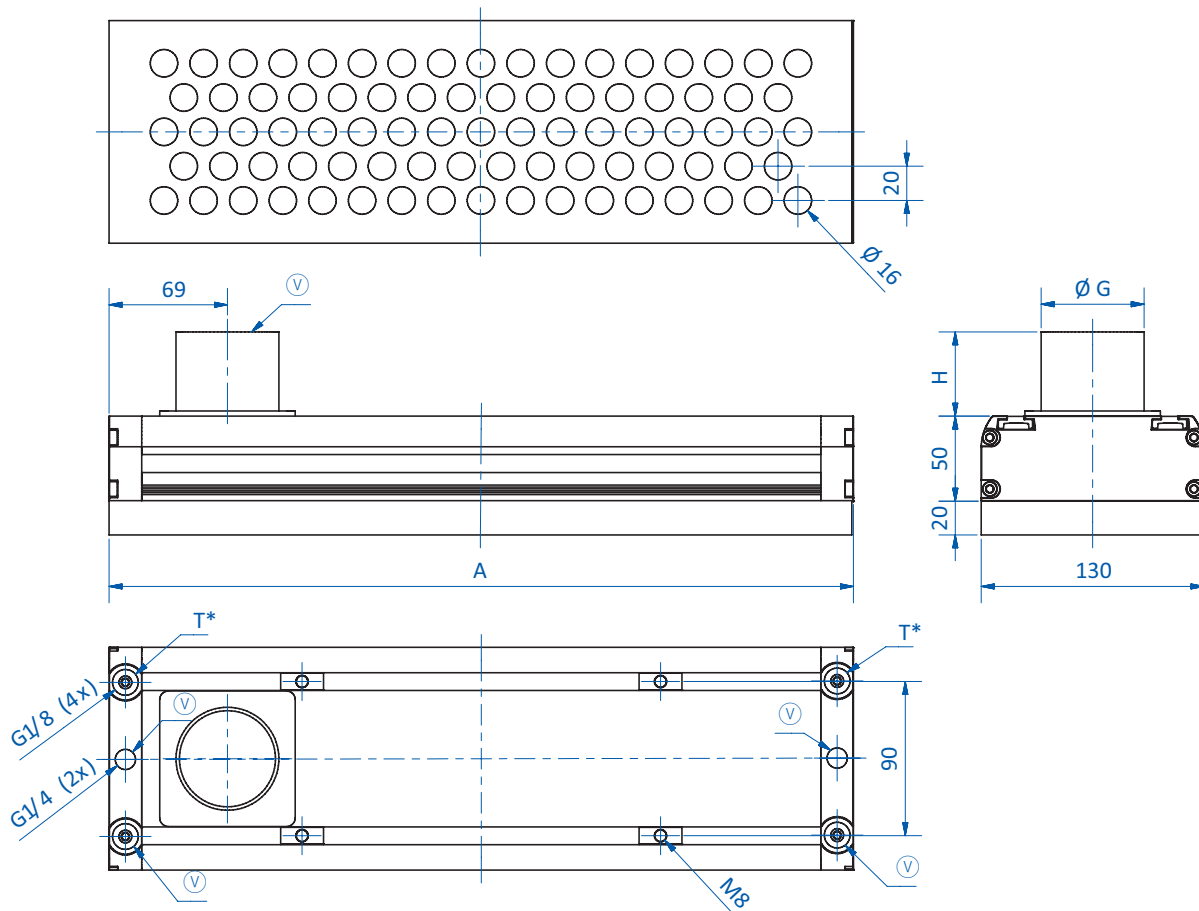


Vacuum generation with integrated ejectors

Ⓟ = Compressed air connection Ⓥ = Vacuum connection * = Transfer line



Dimensions



Vacuum generation via central vacuum supply

P = Compressed air connection V = Vacuum connection * = Transfer line