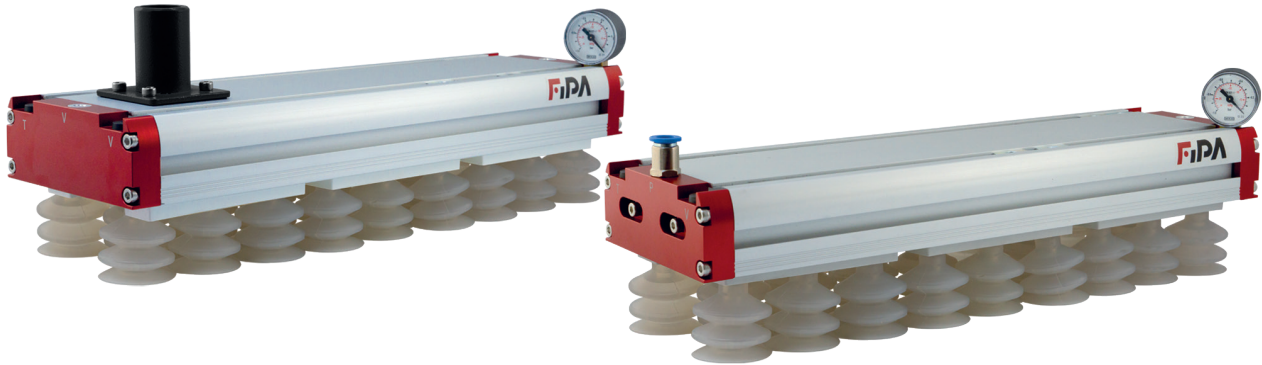




# Vacuum gripping systems | Area gripper FSG

Area gripper with plug-in vacuum cups diameter 40 mm

## Area gripper with plug-in vacuum cups diameter 40 mm



### 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 plug-in vacuum cups can be exchanged easily and quickly
- > Area grippers with check valves are suitable for swivel/tilt movements up to less than 90°
- > Equipped with vacuum gauge 91.005 as standard

### Technical data

Item no.	Valve type	Vacuum generation	Number of vacuum cups	Working pressure [bar (psi)]	Air consumption at 6 bar (87 psi) [NI/min]	Suction power at 6 bar (87 psi) [NI/min]	Nominal flow rate [NI/min]	Suction force at nominal power [N]	Vacuum level [mbar (inHg)]	Weight [kg]	Dimensions		
											A [mm]	Ø G [mm]	H [mm]
<b>FSG.VG130.295.3C02C2</b>	Check valve	with integrated ejectors	17	4 - 6 (58 - 87)	200	700	--	169	-550 (-16.2)	3	295	--	--
<b>FSG.VG130.434.3C02C2</b>	Check valve	with integrated ejectors	26	4 - 6 (58 - 87)	200	700	--	258	-550 (-16.2)	3.8	434	--	--
<b>FSG.VG130.572.3C02C3</b>	Check valve	with integrated ejectors	35	4 - 6 (58 - 87)	300	1,050	--	348	-550 (-16.2)	4.5	572	--	--
<b>FSG.VG130.711.3C02C4</b>	Check valve	with integrated ejectors	44	4 - 6 (58 - 87)	400	1,400	--	437	-550 (-16.2)	5.3	711	--	--
<b>FSG.VG130.849.3C02C4</b>	Check valve	with integrated ejectors	53	4 - 6 (58 - 87)	400	1,400	--	526	-550 (-16.2)	6.2	849	--	--
<b>FSG.VG130.988.3C02C5</b>	Check valve	with integrated ejectors	62	4 - 6 (58 - 87)	500	1,750	--	616	-550 (-16.2)	7.2	988	--	--
<b>FSG.VG130.1126.3C02C6</b>	Check valve	with integrated ejectors	71	4 - 6 (58 - 87)	600	2,100	--	705	-550 (-16.2)	8.1	1,126	--	--
<b>FSG.VG130.1265.3C02C6</b>	Check valve	with integrated ejectors	80	4 - 6 (58 - 87)	600	2,100	--	795	-550 (-16.2)	8.9	1,265	--	--
<b>FSG.PG130.295.3C02C2</b>	Flow reduction	with integrated ejectors	17	4 - 6 (58 - 87)	200	700	--	169	-550 (-16.2)	3	295	--	--
<b>FSG.PG130.434.3C02C2</b>	Flow reduction	with integrated ejectors	26	4 - 6 (58 - 87)	200	700	--	258	-550 (-16.2)	3.8	434	--	--
<b>FSG.PG130.572.3C02C3</b>	Flow reduction	with integrated ejectors	35	4 - 6 (58 - 87)	300	1,050	--	348	-550 (-16.2)	4.5	572	--	--
<b>FSG.PG130.711.3C02C4</b>	Flow reduction	with integrated ejectors	44	4 - 6 (58 - 87)	400	1,400	--	437	-550 (-16.2)	5.3	711	--	--
<b>FSG.PG130.849.3C02C4</b>	Flow reduction	with integrated ejectors	53	4 - 6 (58 - 87)	400	1,400	--	526	-550 (-16.2)	6.2	849	--	--
<b>FSG.PG130.988.3C02C5</b>	Flow reduction	with integrated ejectors	62	4 - 6 (58 - 87)	500	1,750	--	616	-550 (-16.2)	7.2	988	--	--



## Technical data

## Dimensions

Item no.	Valve type	Vacuum generation	Number of vacuum cups	Working pressure [bar (psi)]	Air consumption at 6 bar (87 psi) [Nl/min]	Suction power at 6 bar (87 psi) [Nl/min]	Nominal flow rate [Nl/min]	Suction force at nominal power [N]	Vacuum level [mbar (inHg)]	Weight [kg]	A [mm]	Ø [mm]	H [mm]
<b>FSG.PG130.1126.3C02C6</b>	Flow reduction	with integrated ejectors	71	4 - 6 (58 - 87)	600	2,100	--	705	-550 (-16.2)	8.1	1,126	--	--
<b>FSG.PG130.1265.3C02C6</b>	Flow reduction	with integrated ejectors	80	4 - 6 (58 - 87)	600	2,100	--	795	-550 (-16.2)	8.9	1,265	--	--
<b>FSG.VG130.295.3C02T</b>	Check valve	central vacuum supply	17	--	--	--	150	127	-300 (-8.9)	2.8	295	32.5	54
<b>FSG.VG130.434.3C02T</b>	Check valve	central vacuum supply	26	--	--	--	300	194	-300 (-8.9)	3.8	434	32.5	54
<b>FSG.VG130.572.3C02T</b>	Check valve	central vacuum supply	35	--	--	--	400	261	-300 (-8.9)	4.3	572	32.5	54
<b>FSG.VG130.711.3C02T</b>	Check valve	central vacuum supply	44	--	--	--	510	328	-300 (-8.9)	5.1	711	60	49
<b>FSG.VG130.849.3C02T</b>	Check valve	central vacuum supply	53	--	--	--	600	395	-300 (-8.9)	6	849	60	49
<b>FSG.VG130.988.3C02T</b>	Check valve	central vacuum supply	62	--	--	--	750	462	-300 (-8.9)	7	988	60	49
<b>FSG.VG130.1126.3C02T</b>	Check valve	central vacuum supply	71	--	--	--	850	529	-300 (-8.9)	7.7	1,126	60	49
<b>FSG.VG130.1265.3C02T</b>	Check valve	central vacuum supply	80	--	--	--	950	596	-300 (-8.9)	8.5	1,265	60	49
<b>FSG.PG130.295.3C02T</b>	Flow reduction	central vacuum supply	17	--	--	--	150	127	-300 (-8.9)	2.8	295	32.5	54
<b>FSG.PG130.434.3C02T</b>	Flow reduction	central vacuum supply	26	--	--	--	300	194	-300 (-8.9)	3.8	434	32.5	54
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<b>FSG.PG130.1265.3C02T</b>	Flow reduction	central vacuum supply	80	--	--	--	950	596	-300 (-8.9)	8.5	1,265	60	49

## 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:

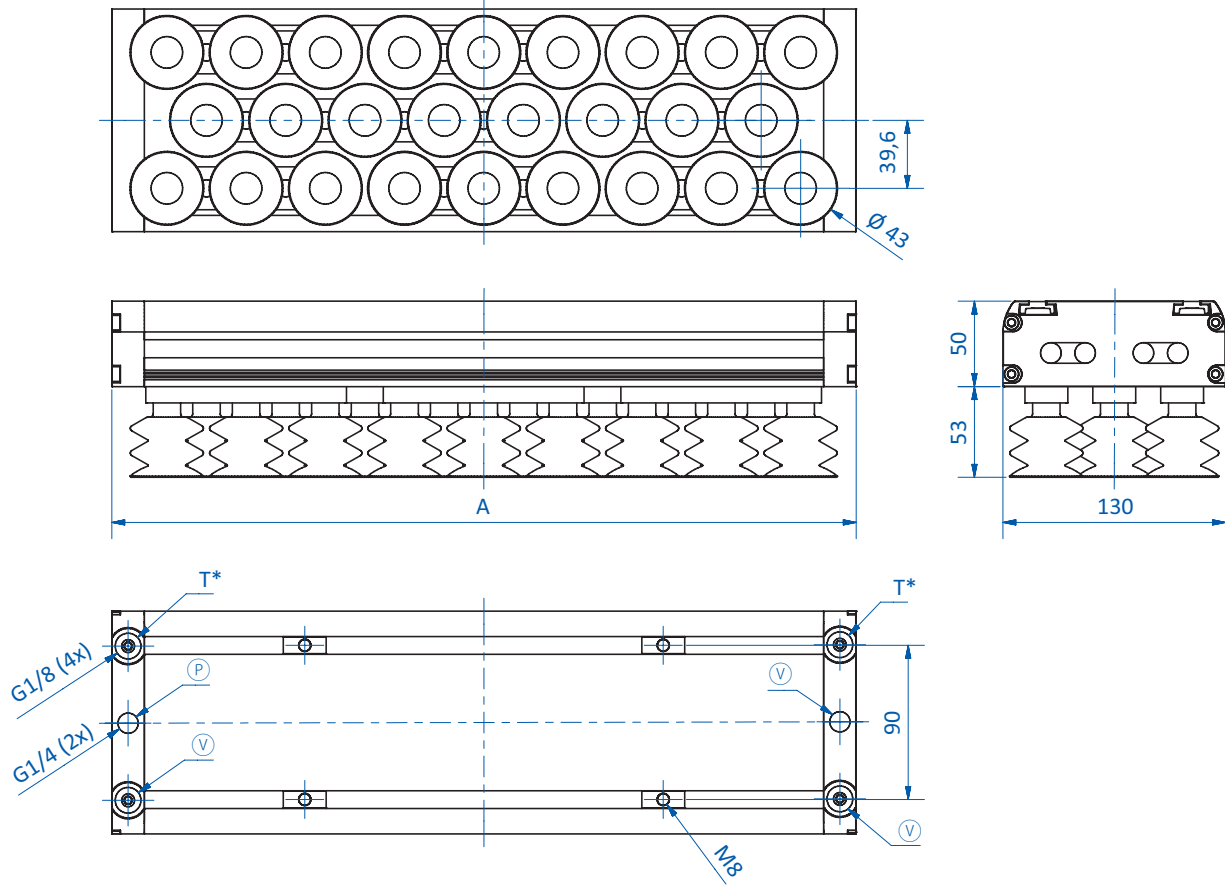
- > Replacement plug-in cup in silicone 55° Shore A 21.040.186.2
- > Ejector for area gripper FSG.ACC130.0003



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Area gripper with plug-in vacuum cups diameter 40 mm

## Dimensions

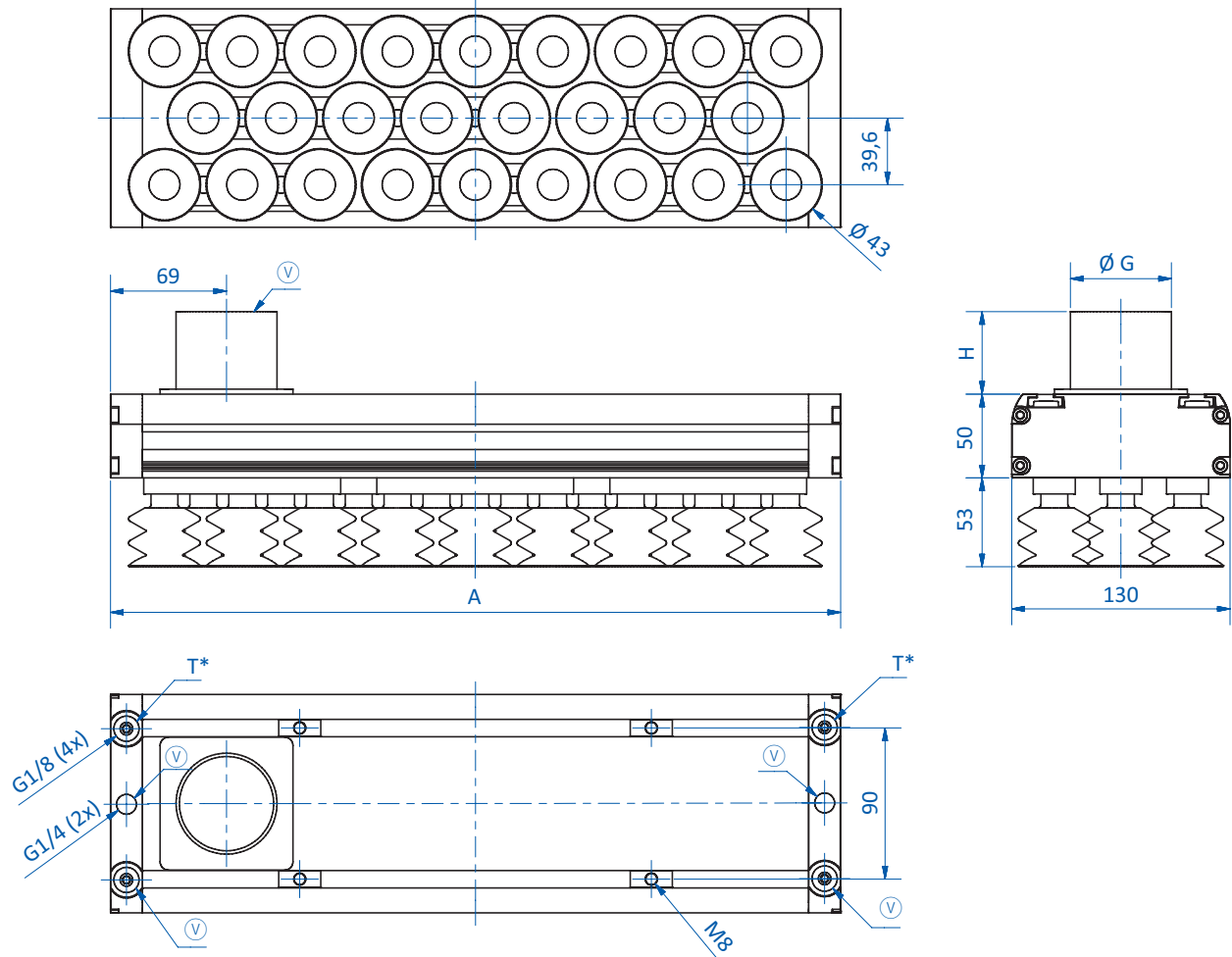


Vacuum generation with integrated ejectors

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



## Dimensions



Vacuum generation via central vacuum supply

Ⓟ = Compressed air connection    Ⓢ = Vacuum connection    \* = Transfer line