

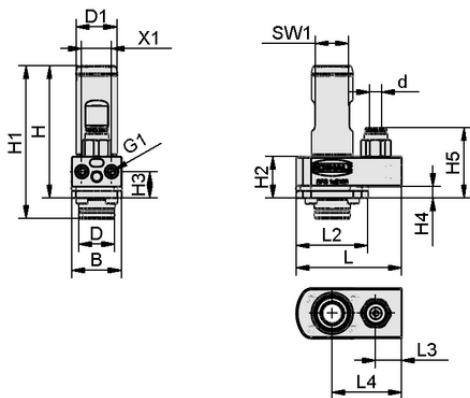
Art.-Nr.: 10.01.30.00911



SFG 1xE100 MS AR M4-IG

The flow gripper for food products SFG is delivered as a single component (without suction area/suction cup). To receive the complete gripper, the following ordering steps are required:

- Flow gripper for food products SFG
- Contact element of type SAUG-FL/SAUG-SFG – available in different sizes



Design data SFG 1xE100 MS AR M4-IG

Technical data

Attribute	Value
Additional function ejector	Exhaust duct axial
Mounting	sideways
Performance class	E100
Number of ejectors	1

Design data

Attribute	Value
Length L2	36.00 mm
Length L	53.00 mm
Width B	25.00 mm
Height H1	76.90 mm
Height H2	20.20 mm
Height H	66.40 mm
Outside diameter D1	20.5 mm
Outside diameter D	18.00 mm
Internal diameter d	6.00 mm
Thread G1	M4-F



Flow gripper (mod)

SFG 1xE100 MS AR M4-IG



Art.-Nr.: 10.01.30.00911



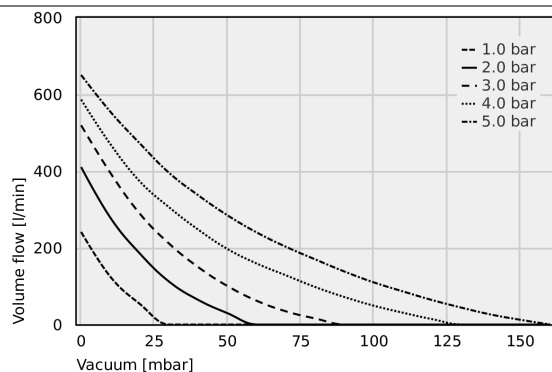
Technical data

Attribute	Value
Weight	108.0 g
Additional function ejector	Exhaust duct axial
Mounting	sideways
Pressure range (operating pressure) [bar]	1.0 ... 5.0 bar
Operating temperature	5 ... 75 °C
Product family	SFG



WWW.SCHMALZ.COM/10.01.30.00911

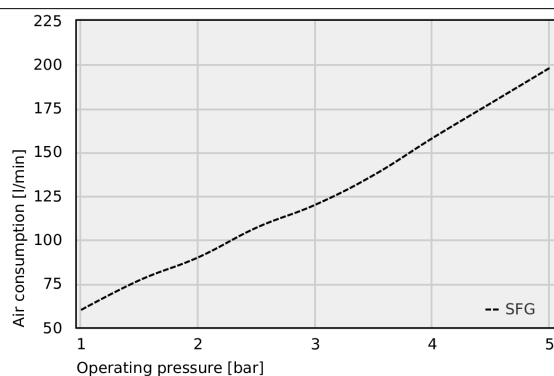
Art.-Nr.: 10.01.30.00911

**Performance data**

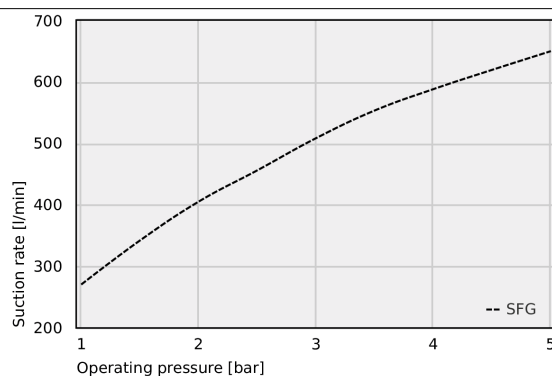
Flow rate at various degrees of evacuation



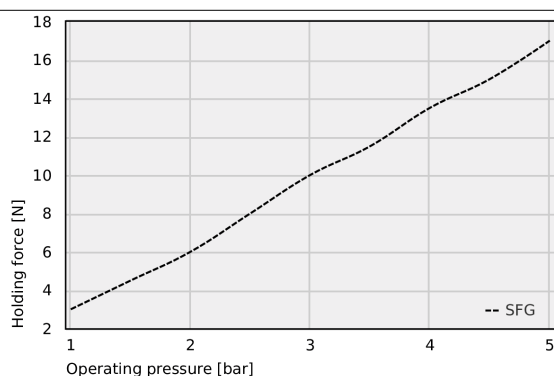
Achievable vacuum at various operating pressures



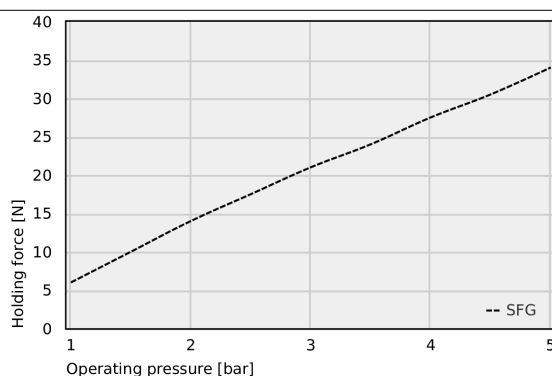
Air consumption



Suction rate at different operating pressures



Holding force with suction area 40 at various operating pressures (measured on a suction-tight workpiece)



Holding force with suction area 60 at various operating pressures (measured on a suction-tight workpiece)



Art.-Nr.: 10.01.30.00911

**Flow rate at various degrees of evacuation**

Typ	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160
1.0 bar	241.0	124.1	53.6	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
2.0 bar	410.0	277.9	185.1	111.7	63.8	29.2	0.0	-	-	-	-	-	-	-	-	-	-
3.0 bar	519.0	394.6	289.0	210.8	149.2	99.9	61.5	34.0	15.4	0.0	-	-	-	-	-	-	-
4.0 bar	586.0	469.7	373.0	305.5	246.9	196.4	158.6	127.8	97.3	71.2	48.7	30.3	13.6	0.0	-	-	-
5.0 bar	650.0	554.1	472.0	395.2	336.5	284.2	239.5	202.1	169.3	137.6	109.4	85.8	63.2	43.5	25.7	12.1	0.0

**Achievable vacuum at various operating pressures**

Typ	1	2	3	4	5
SFG	30.0	61.0	92.0	128.0	160.0

**Air consumption**

Typ	1	1.5	2	2.5	3	3.5	4	4.5	5
SFG	60.00	77.00	90.00	107.00	120.00	137.00	158.00	178.00	198.00

**Suction rate at different operating pressures**

Typ	1	1.5	2	2.5	3	3.5	4	4.5	5
SFG	270.00	341.73	405.00	455.98	508.32	553.42	588.20	619.58	650.00

**Holding force with suction area 40 at various operating pressures (measured on a suction-tight workpiece)**

Typ	1	1.5	2	2.5	3	3.5	4	4.5	5
SFG	3.00	4.50	6.00	8.00	10.00	11.50	13.50	15.00	17.00



Art.-Nr.: 10.01.30.00911

**Holding force with suction area 60 at various operating pressures (measured on a suction-tight workpiece)**

Typ	1	1.5	2	2.5	3	3.5	4	4.5	5
SFG	6.00	10.00	14.00	17.50	21.00	24.00	27.50	30.50	34.00

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.01.30.00911**Ordering Data Accessories 10.01.30.00911**

Typ		Item number
Flange plate (round)	FLAN-PL 63x11.5-UNI	10.01.30.00017
Suction area	SAUG-FL SFG 59.5 36x25 POM	10.01.30.01001
Suction cup (round)	SAUG-SFG 20 SI-HD-65 B	10.01.30.01141
Suction cup (round)	SAUG-SFG 20 SI-MD-55 B	10.01.30.01142
Suction cup (round)	SAUG-SFG 30 SI-HD-65 B	10.01.30.01143
Suction cup (round)	SAUG-SFG 30 SI-MD-55 B	10.01.30.01144
Suction cup (round)	SAUG-SFG 40 SI-HD-65 B	10.01.30.01145
Suction cup (round)	SAUG-SFG 40 SI-MD-55 B	10.01.30.01146
Suction cup (round)	SAUG-SFG 50 SI-HD-65 B	10.01.30.01147
Suction cup (round)	SAUG-SFG 50 SI-MD-55 B	10.01.30.01148
Suction cup (round)	SAUG-SFG 20 SI-HD-65	10.01.30.00998
Suction cup (round)	SAUG-SFG 30 SI-HD-65	10.01.30.00997
Suction cup (round)	SAUG-SFG 40 SI-HD-65	10.01.30.00994
Suction cup (round)	SAUG-SFG 50 SI-HD-65	10.01.30.00993
Suction cup (round)	SAUG-SFG 20 SI-MD	10.01.30.01047
Suction cup (round)	SAUG-SFG 30 SI-MD	10.01.30.01048
Suction cup (round)	SAUG-SFG 40 SI-MD	10.01.30.01049
Suction cup (round)	SAUG-SFG 50 SI-MD	10.01.30.01050
Assembly set	SET SFG MS	10.01.30.00992
Compressed-air hose	VSL 6-4 PE BL	10.07.09.00014
Exhaust-air hose	ABLU-SL-26-20-PU-PS	10.07.09.00213
Flange plate (round)	FLAN-PL 63x10.5-AD1	10.01.30.00016

