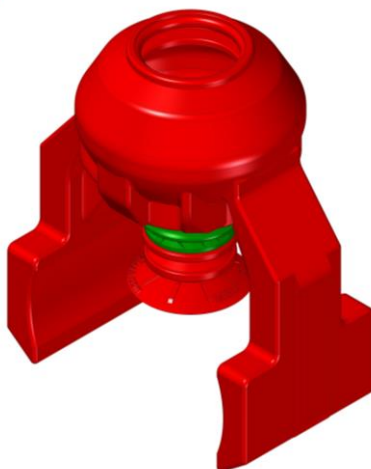
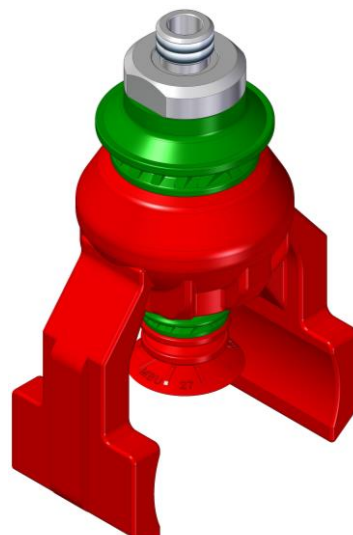


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**PATENT &
PATENT PENDING**

Soft Gripper

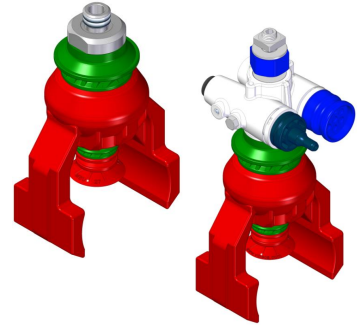
VSG Series



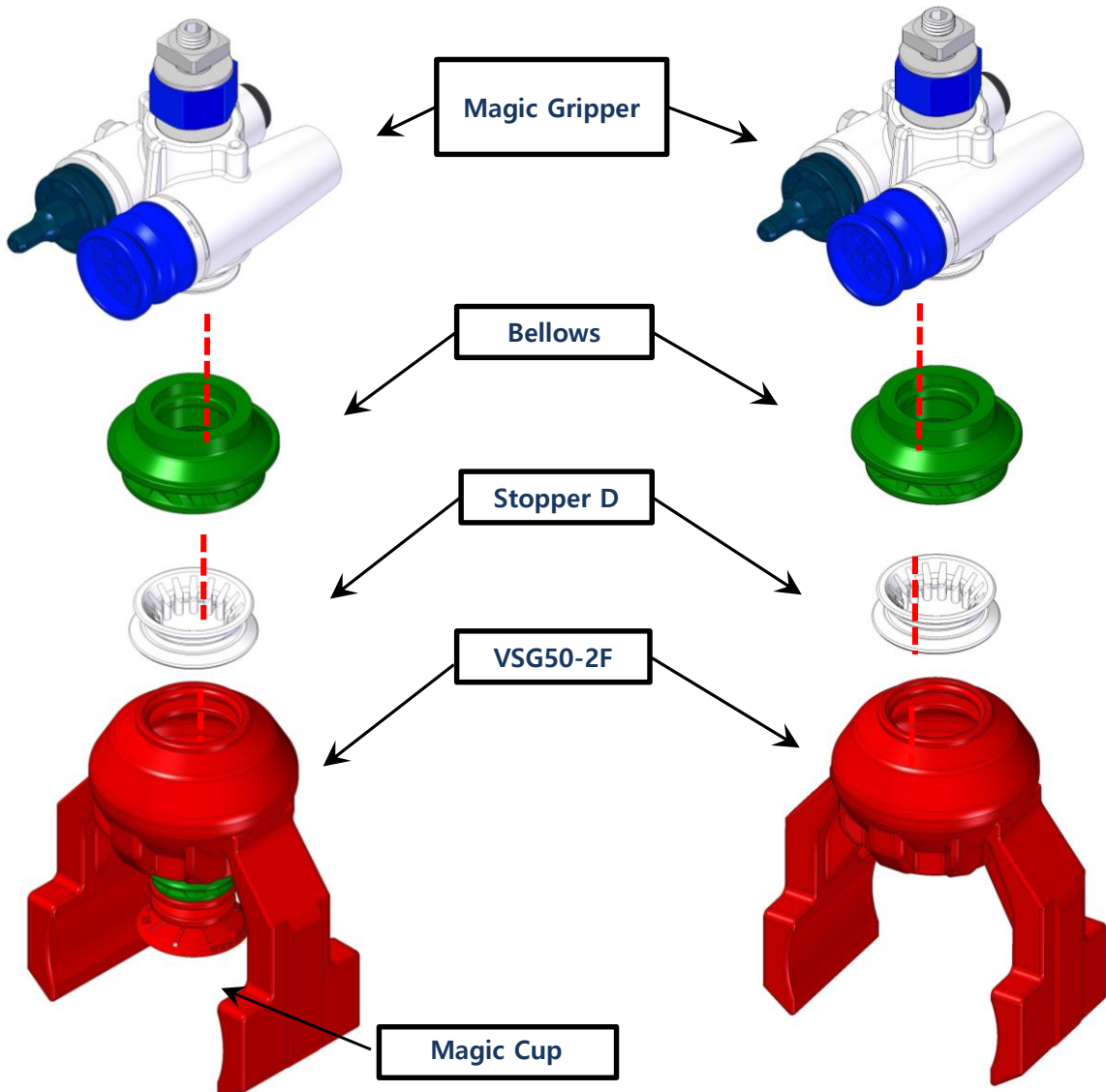
VSG Series

Feature

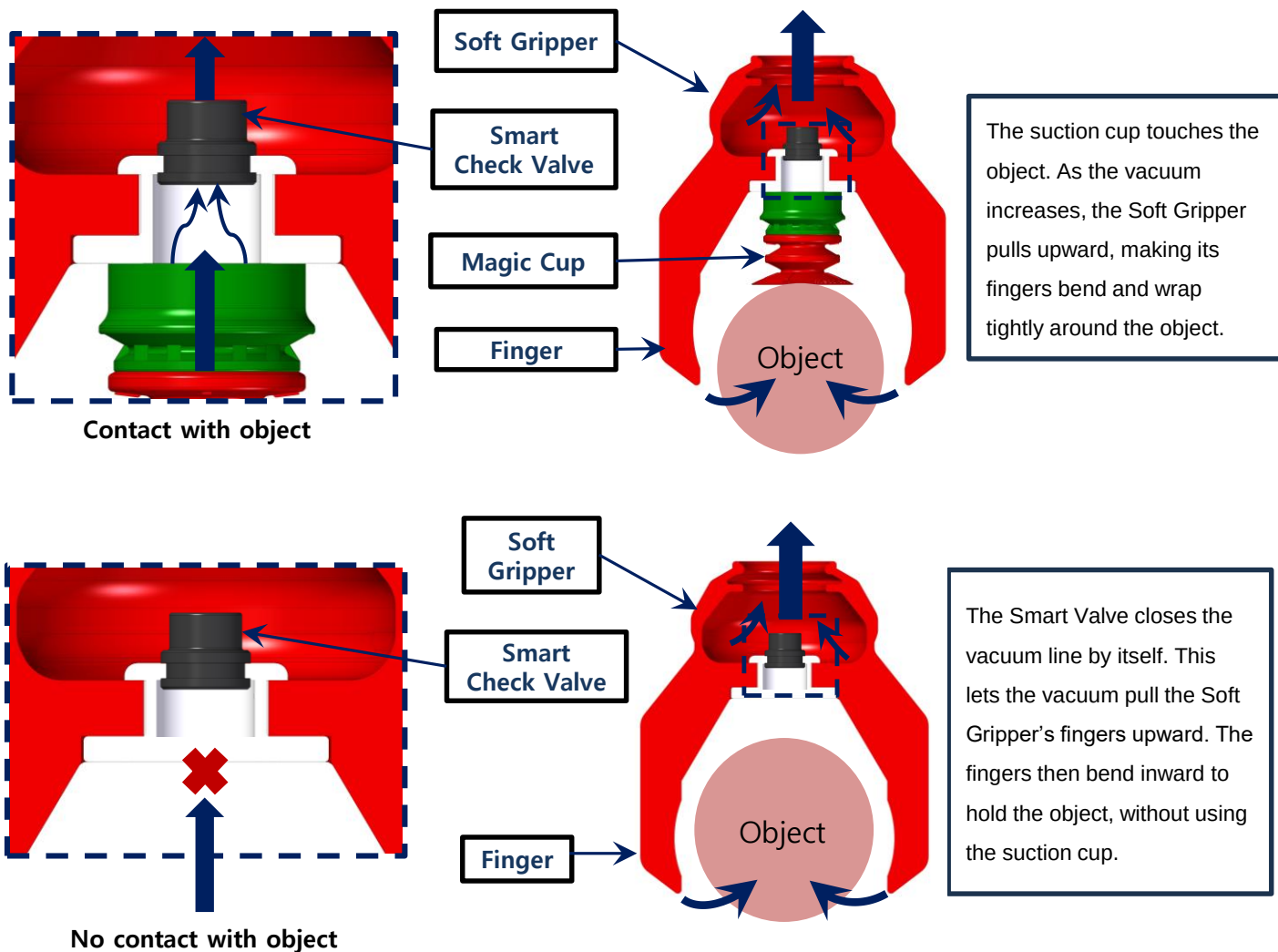
- ▶ Vacuum + Mechanical Grip = More stable grip
- ▶ Stable gripping for round and uneven objects
- ▶ Easy to use and simple to control
- ▶ Ideal for hard-to-grip items where vacuum suction is not enough



Structure / Assembly



Principle



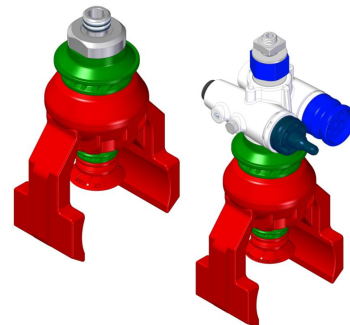
Material Specifications

Material	Hardness Shore(°)	Color	Working Temp.(°C)
Silicone	50	Red	0 ~ +60
Food grade white silicone	50	Translucent White	0 ~ +60
Detectable silicone	50	Blue	0 ~ +60

VSG50 2P-S5-MBU()

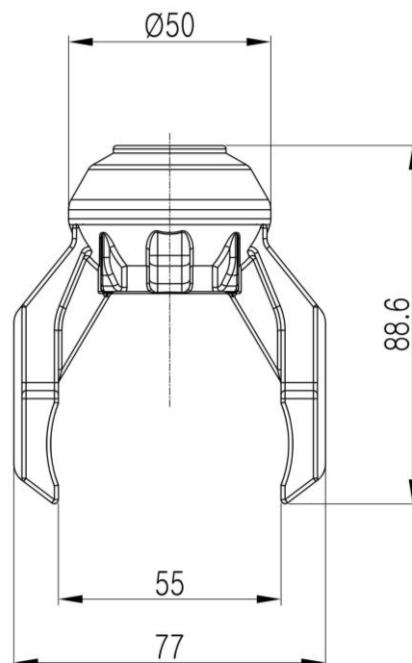
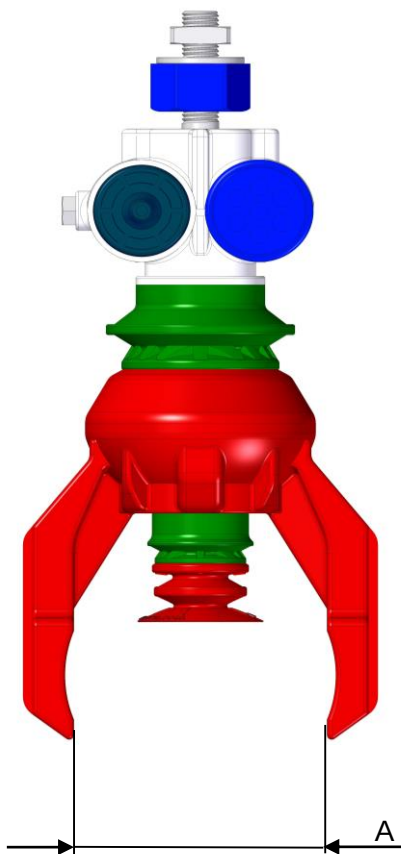
Feature

- ▶ Vacuum + Mechanical Grip = More stable grip
- ▶ Stable gripping for round and uneven objects
- ▶ Easy to use and simple to control
- ▶ Ideal for hard-to-grip items where vacuum suction is not enough

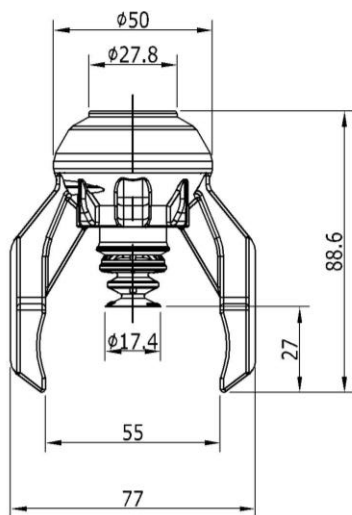


Specification

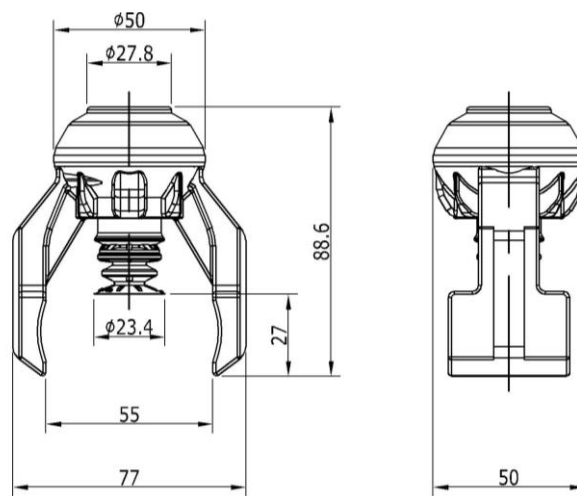
VSG50 2P-S5-MBU()	
Holding Force	0.6 kgf
Available Lifting Dia. (A)	Min. 10mm ~ Max. 54mm
Temperature range	-10~80 C°
Weight	73 g
Recommended vacuum level	Min. -40 kpa



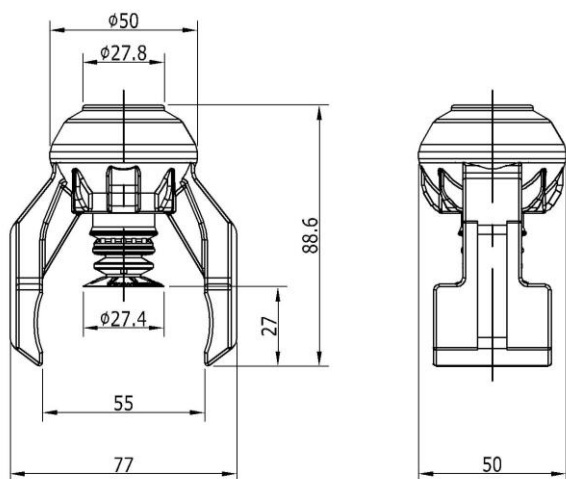
Dimensions



VSG50-2F-(S5)-MBU17

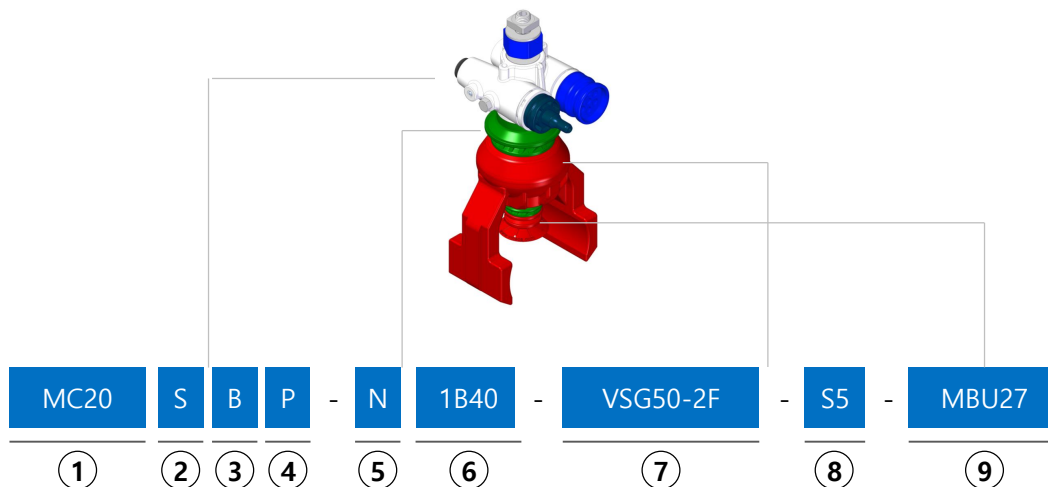


VSG50-2F-(S5)-MBU23



VSG50-2F-(S5)-MBU27

Build an Ordering No. (Magic gripper type)



① Base pump

Symbol	Description
MC20	Mini cartridge 2-Stage
MC23	Mini cartridge 3-Stage
MC25	Mini premium cartridge 2-Stage

② Silencer

Symbol	Description
Blank	Plug type
S	Twofold silencer type <i>(Only for MC20, MC23)</i>

③ Body type

Symbol	Description
B	Single vacuum cartridge, Automatic vacuum release

④ Mounting

Symbol	Description
X	No mount
M	Direct mount
P	Aluminum profile mount

⑤ Sealing material

Symbol	Description
N	NBR
E	EPDM
V	Viton

⑥ Top bellows

Symbol	Description
1B40	Top bellows 1fold, 40mm diameter
	<i>* Only available with 1B40 Top bellows</i>

⑦ Soft gripper

Symbol	Description
VSG50-2F	VSG series soft gripper

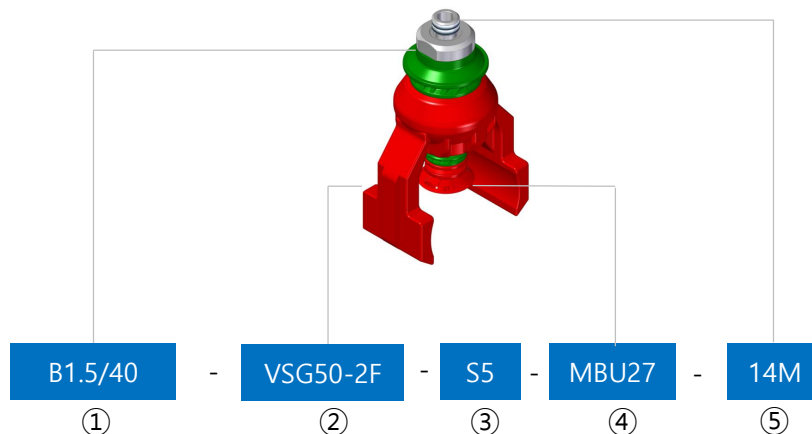
⑧ Soft gripper material

Symbol	Description
S3	Silicone, Hardness Shore 30°
S5	Silicone, Hardness Shore 50°
S6	Silicone, Hardness Shore 60°
W3	Food grade white Silicone, Hardness Shore 30°
W5	Food grade white Silicone, Hardness Shore 50°
W6	Food grade white Silicone, Hardness Shore 60°

⑨ Vacuum Pad

Symbol	Description
Blank	Without MBU type lip
MBU17	MBU type lip, 17mm diameter
MBU23	MBU type lip, 23mm diameter
MBU27	MBU type lip, 27mm diameter

Build an Ordering No. (Fitting type)



① Bellows

Symbol	Description
B1.5/40	Top bellows 1fold, 40mm diameter Only

② Soft Gripper

Symbol	Description
VSG50-2F	VSG series soft gripper

⑧ Soft gripper material

Symbol	Description
S5	Silicone, Hardness Shore 50°
W5(FDA)	Food grade white Silicone, Hardness Shore 50°
G5(FDA)	Food grade detectable Silicone, Hardness Shore50°

⑨ Vacuum Pad

Symbol	Description
Blank	Without MBU type lip
MBU17	MBU type lip, 17mm diameter
MBU23	MBU type lip, 23mm diameter
MBU27	MBU type lip, 27mm diameter

⑤ Fitting Option

Symbol	Description
18F	Fitting, G1/8 female
18M	Fitting, G1/8 male
14F	Fitting, G1/4 female
14M	Fitting, G1/4 male
38F	Fitting, G3/8 female
38M	Fitting, G3/8 male