

SUCTION CUPS / Magic suction cup





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Bellows

Model	Description	
	Top bellows	Middle bellows
B 1.5	1.5 folds	-
B 2.5	2.5 folds	-
B 4.0	1.5 folds	2.5 folds
B 5.0	1.5 folds	3.5 folds
B 6.0	2.5 folds	3.5 folds
EB 1.5	1.5 folds	-
EB 4.0	1.5 folds	2.5 folds
EB 5.0	1.5 folds	3.5 folds



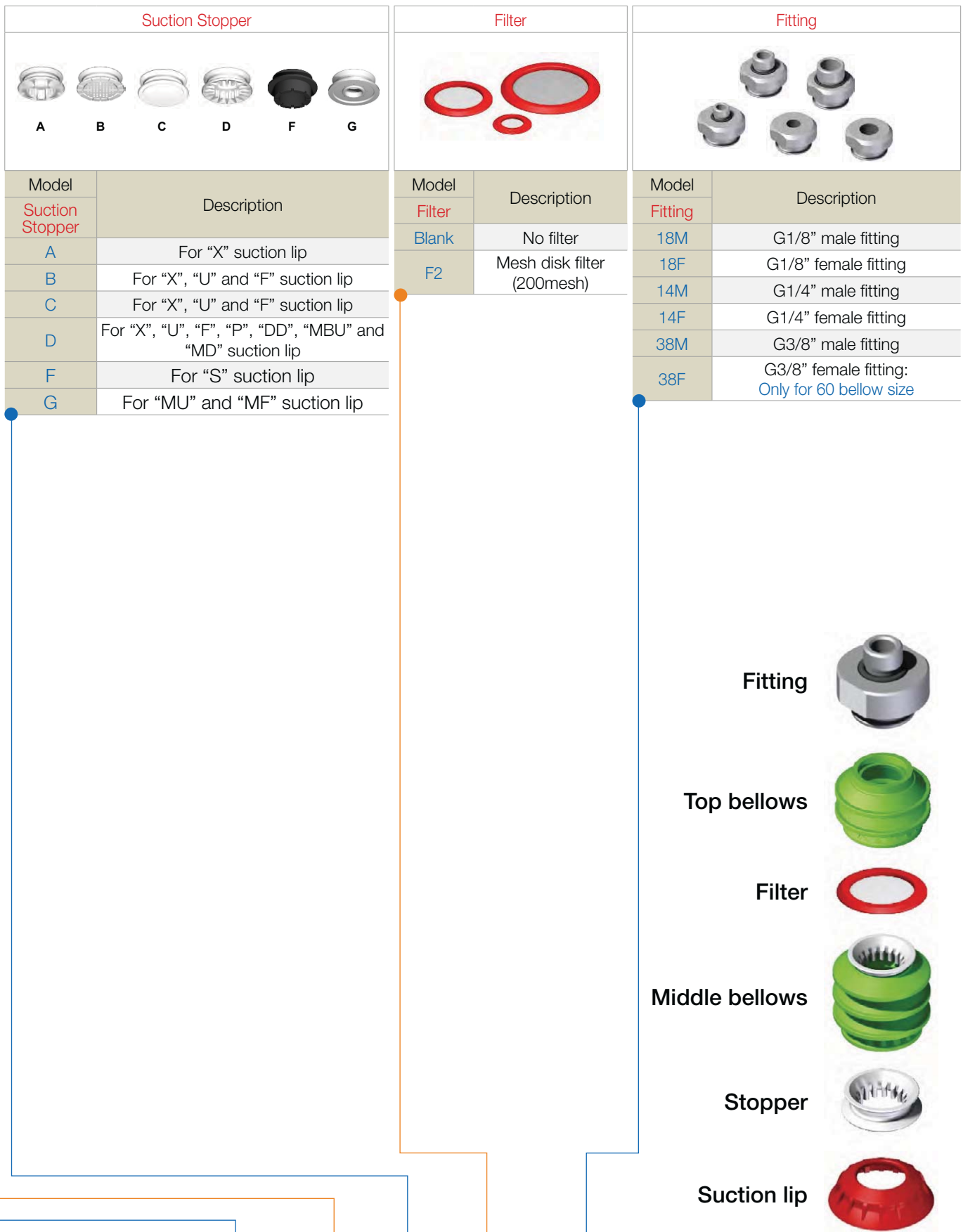
Bellows size

Model	Description
20	For sealing lip 15Ø ~ 32
40	For sealing lip 45Ø ~ 60
60	For sealing lip 65Ø ~ 75



Suction lip

Suction lip	Model Diameter	Material	Description
X	25	N6	NBR (Nitrile), Hardness 60°
		S3	Silicone, Hardness 30°
	30	S5	Silicone, Hardness 50°
	45	W3	White Silicone, Hardness 30°
	55	W5	White Silicone, Hardness 50°
	65	W3(FDA)	White Silicone, Hardness 30° (FDA)
	75	W5(FDA)	White Silicone, Hardness 50° (FDA)
U	25	U6	Urethane, Hardness 60°
		N6	NBR (Nitrile), Hardness 60°
	30	S3	Silicone, Hardness 30°
		S5	Silicone, Hardness 50°
	45	W3	White Silicone, Hardness 30°
	55	W5	White Silicone, Hardness 50°
	65	W3(FDA)	White Silicone, Hardness 30° (FDA)
P	15	N6	NBR (Nitrile), Hardness 60°
		S3	Silicone, Hardness 30°
	20	S5	Silicone, Hardness 50°
	27	W3	White Silicone, Hardness 30°
		W5	White Silicone, Hardness 50°
	32	W3(FDA)	White Silicone, Hardness 30° (FDA)
	48	W5(FDA)	White Silicone, Hardness 50° (FDA)
F	25	U6	Urethane, Hardness 60°
	30	PU	Polyurethane
	45		
	55		
DD		N6	NBR (Nitrile), Hardness 60°
		S3	Silicone, Hardness 30°
		S5	Silicone, Hardness 50°
		W3	White Silicone, Hardness 30°
		W5	White Silicone, Hardness 50°
		W3(FDA)	White Silicone, Hardness 30° (FDA)
		W5(FDA)	White Silicone, Hardness 50° (FDA)
MBU	17	U6	Urethane, Hardness 60°
		N6	NBR (Nitrile), Hardness 60°
		S3	Silicone, Hardness 30°
		S5	Silicone, Hardness 50°
	23	W3	White Silicone, Hardness 30°
	27	W5	White Silicone, Hardness 50°
		W3(FDA)	White Silicone, Hardness 30° (FDA)
MD		U6	Urethane, Hardness 60°
		N6	NBR (Nitrile), Hardness 60°
		S3	Silicone, Hardness 30°
		S5	Silicone, Hardness 50°
		W3	White Silicone, Hardness 30°
		W5	White Silicone, Hardness 50°
		W3(FDA)	White Silicone, Hardness 30° (FDA)
S	30	U6	Urethane, Hardness 60°
		NE	Insert NBR, Lip EPDM
	50	SE	Insert Silicone 50° hardness, Lip EPDM
	60	WSE	Insert White silicone 50° hardness, Lip EPDM
MU		N6	NBR (Nitrile), Hardness 60°
		S3	Silicone, Hardness 30°
		S5	Silicone, Hardness 50°
	45	W3	White Silicone, Hardness 30°
	55	W5	White Silicone, Hardness 50°
	65	W3(FDA)	White Silicone, Hardness 30° (FDA)
	75	W5(FDA)	White Silicone, Hardness 50° (FDA)
MF		U6	Urethane, Hardness 60°
		N6	NBR (Nitrile), Hardness 60°
		S3	Silicone, Hardness 30°
		S5	Silicone, Hardness 50°
	45	W3	White Silicone, Hardness 30°
	55	W5	White Silicone, Hardness 50°
	65	W3(FDA)	White Silicone, Hardness 30° (FDA)
75	W5(FDA)	White Silicone, Hardness 50° (FDA)	
	U6	Urethane, Hardness 60°	

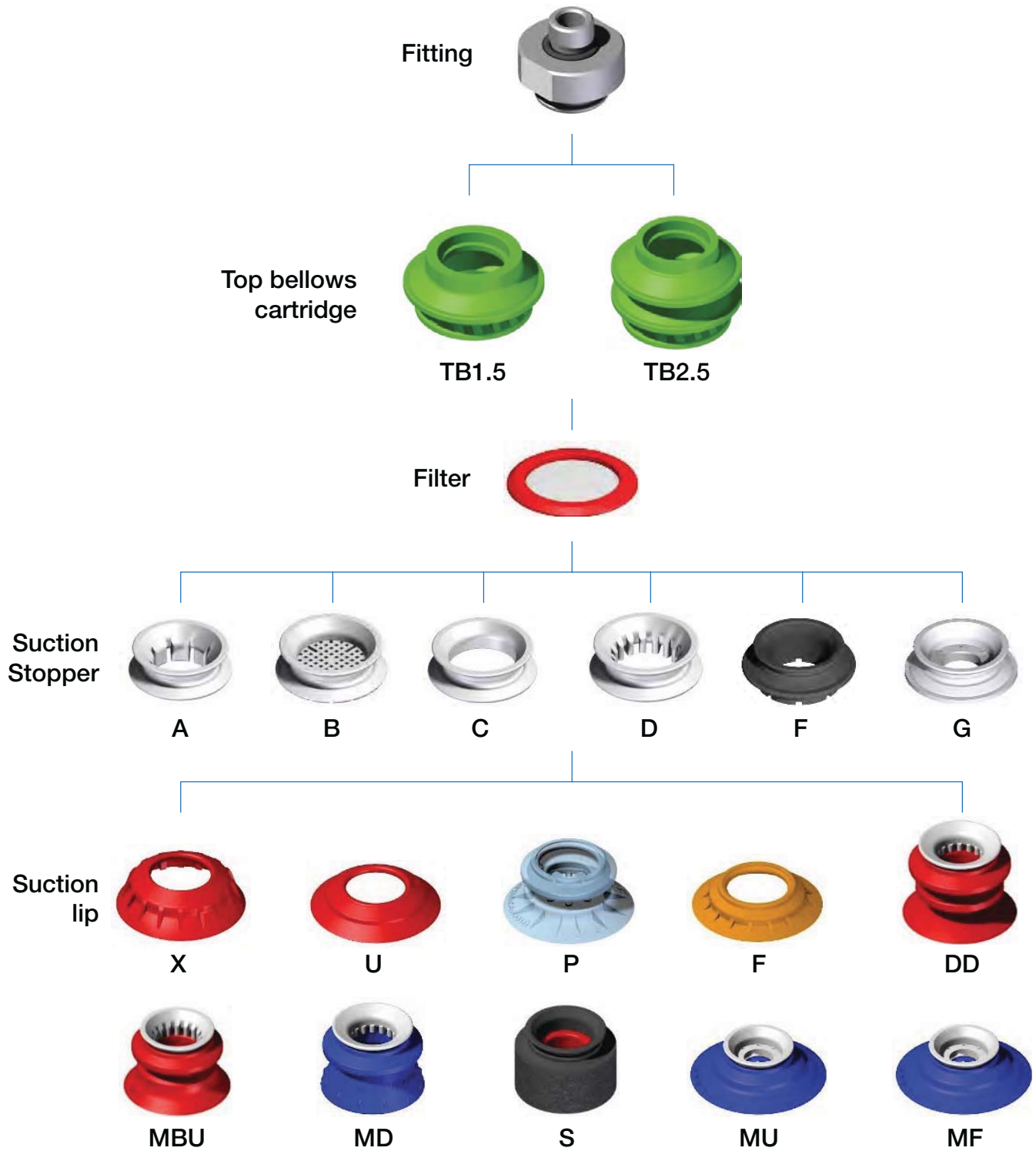


B5.0 / 40 - X55 - S5 - D - F2 - 18M

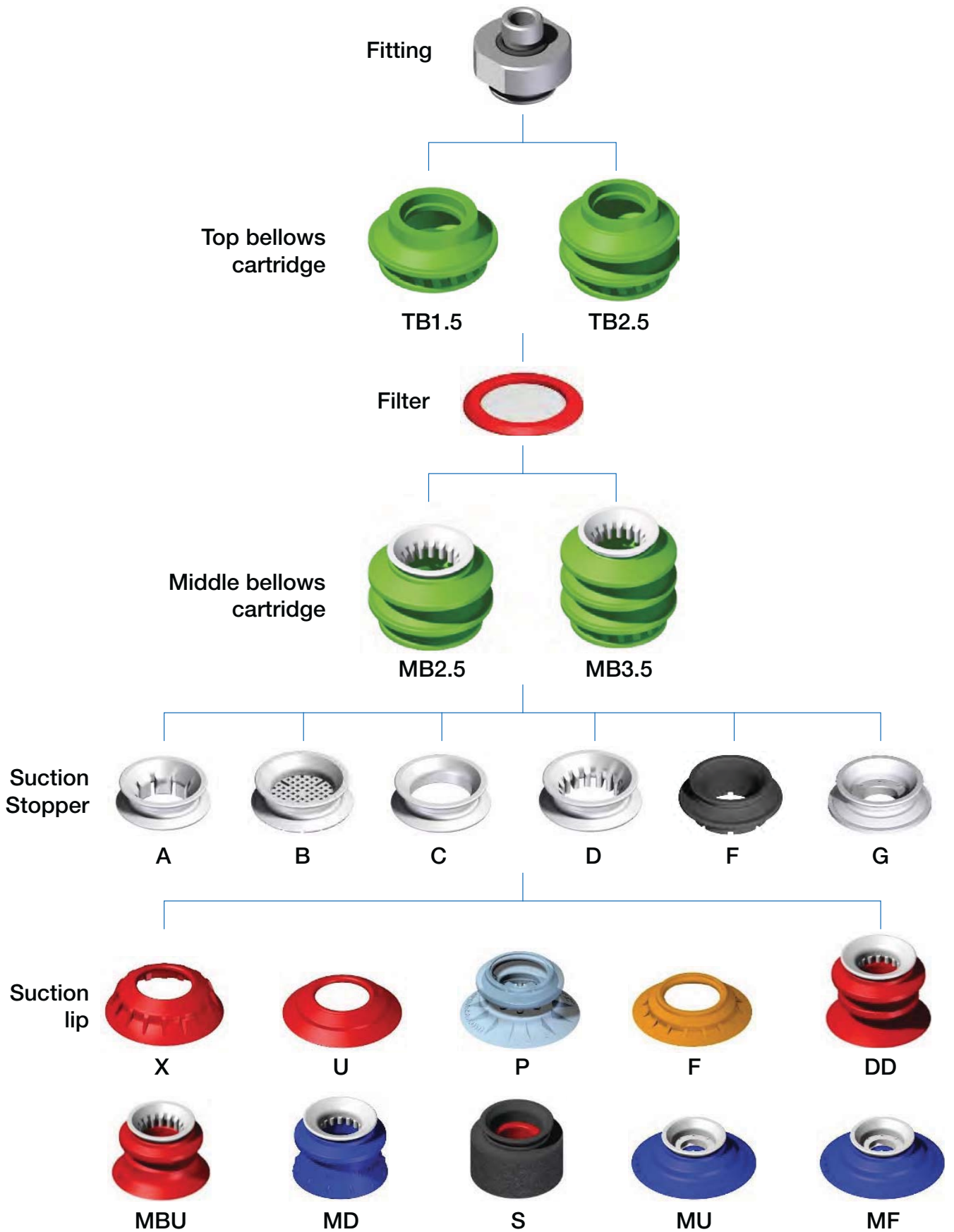
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Structure – B1.5 & B2.5 series



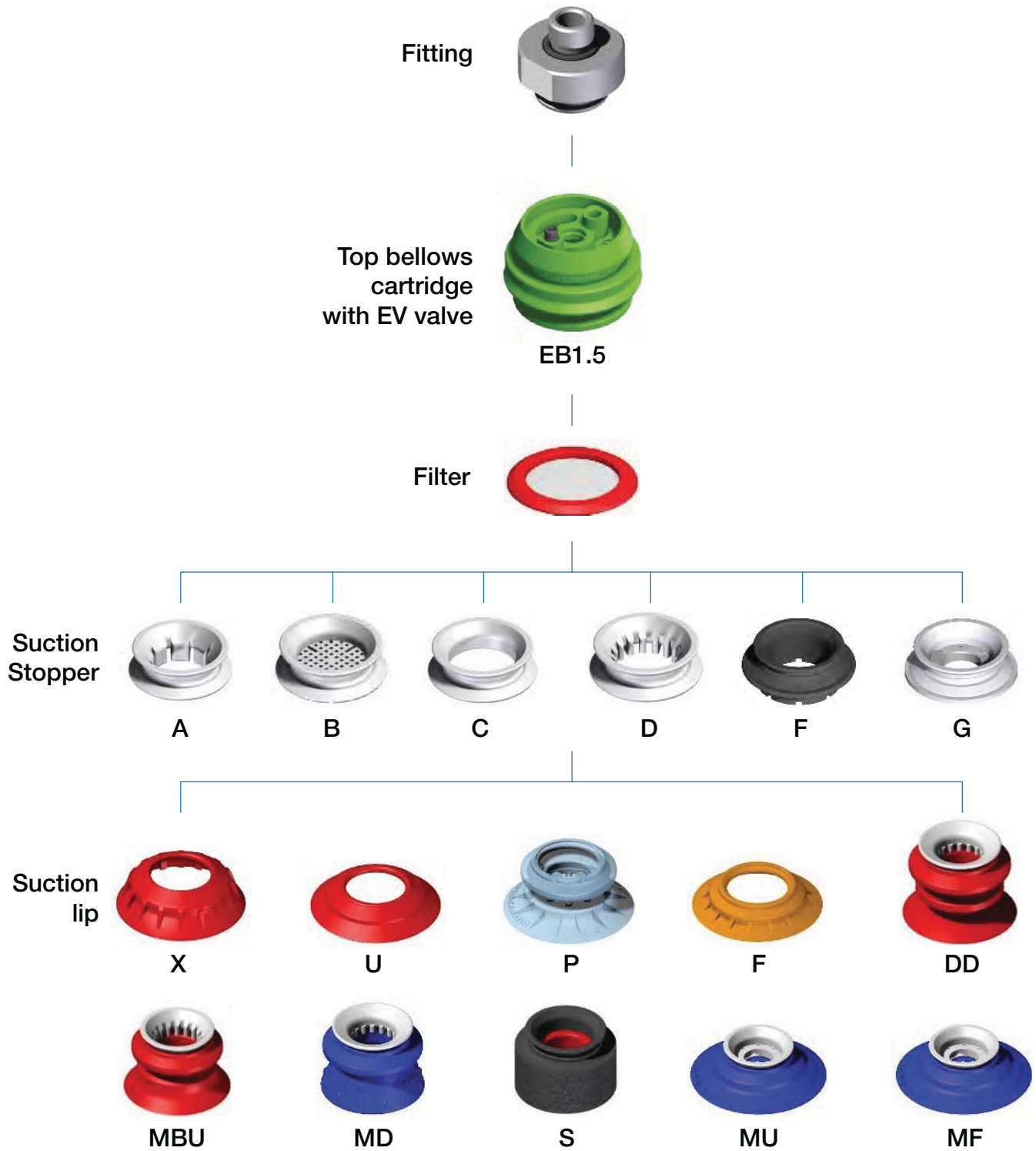
Structure – B4.0 & B5.0 & B6.0 series



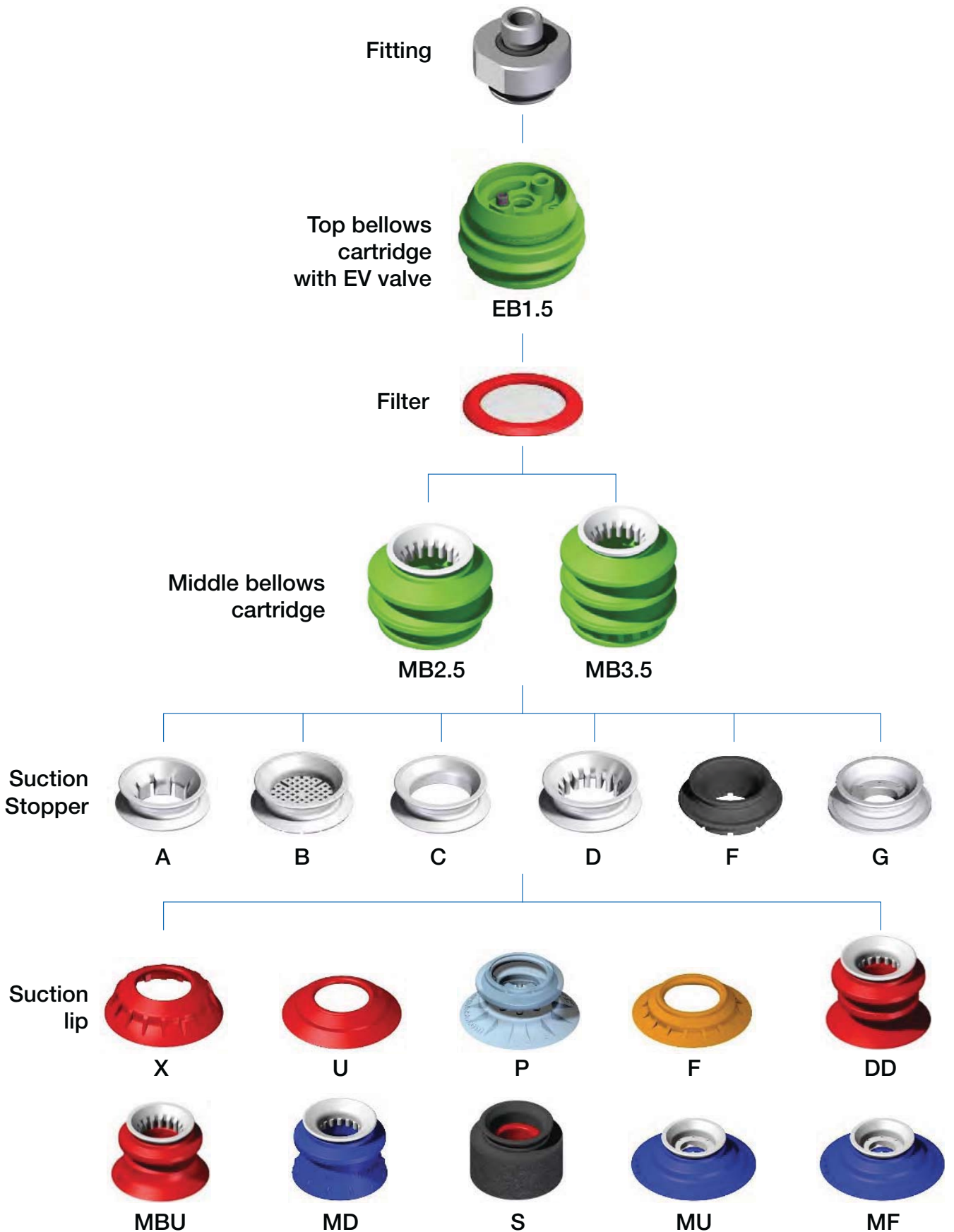
SUCTION CUPS / Magic suction cup



Structure – EB1.5 series



Structure – EB4.0 & EB5.0 series

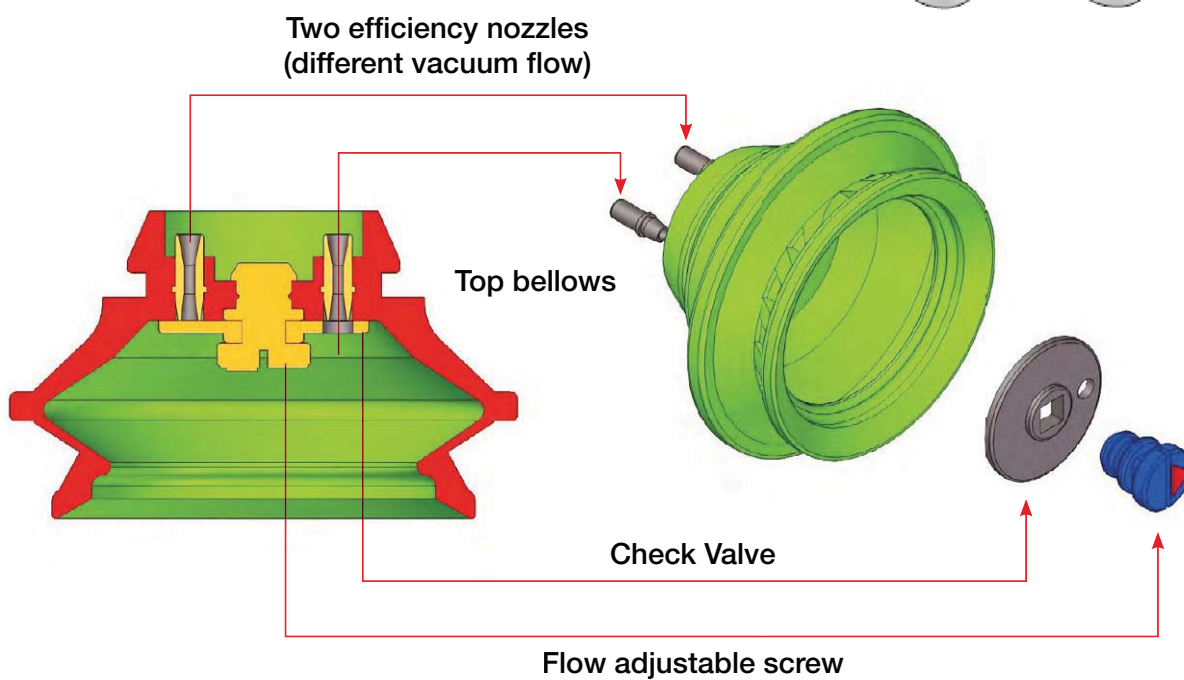
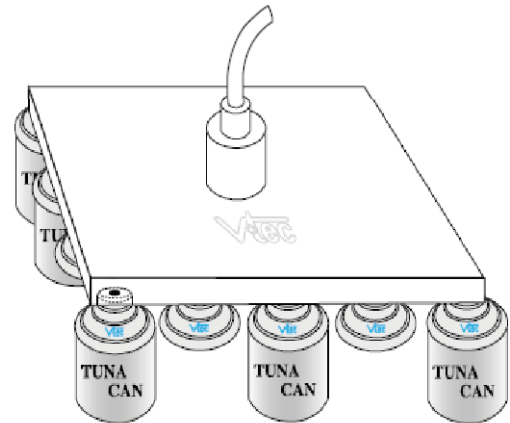


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Features of Efficiency valve (EB type)

With EV Valve (EB)



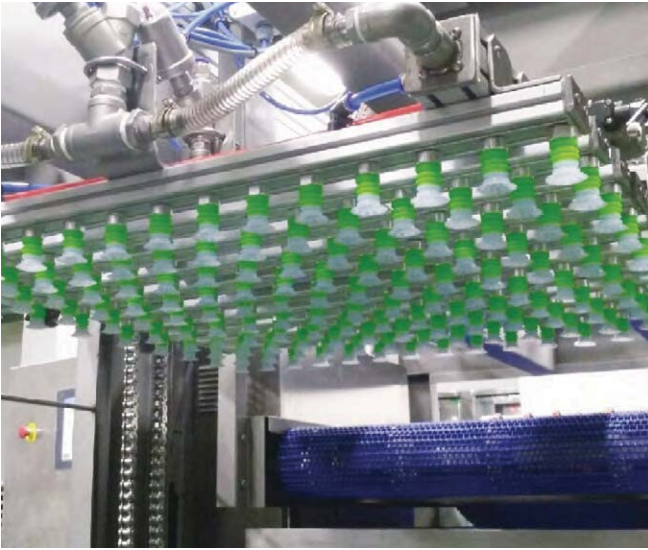
Flow adjustment

Hole size (0.5~1mm)	Hole size (2.3mm)	Max. Open	Close

Adjustable suction flow by different position of check valve screw module



| Application

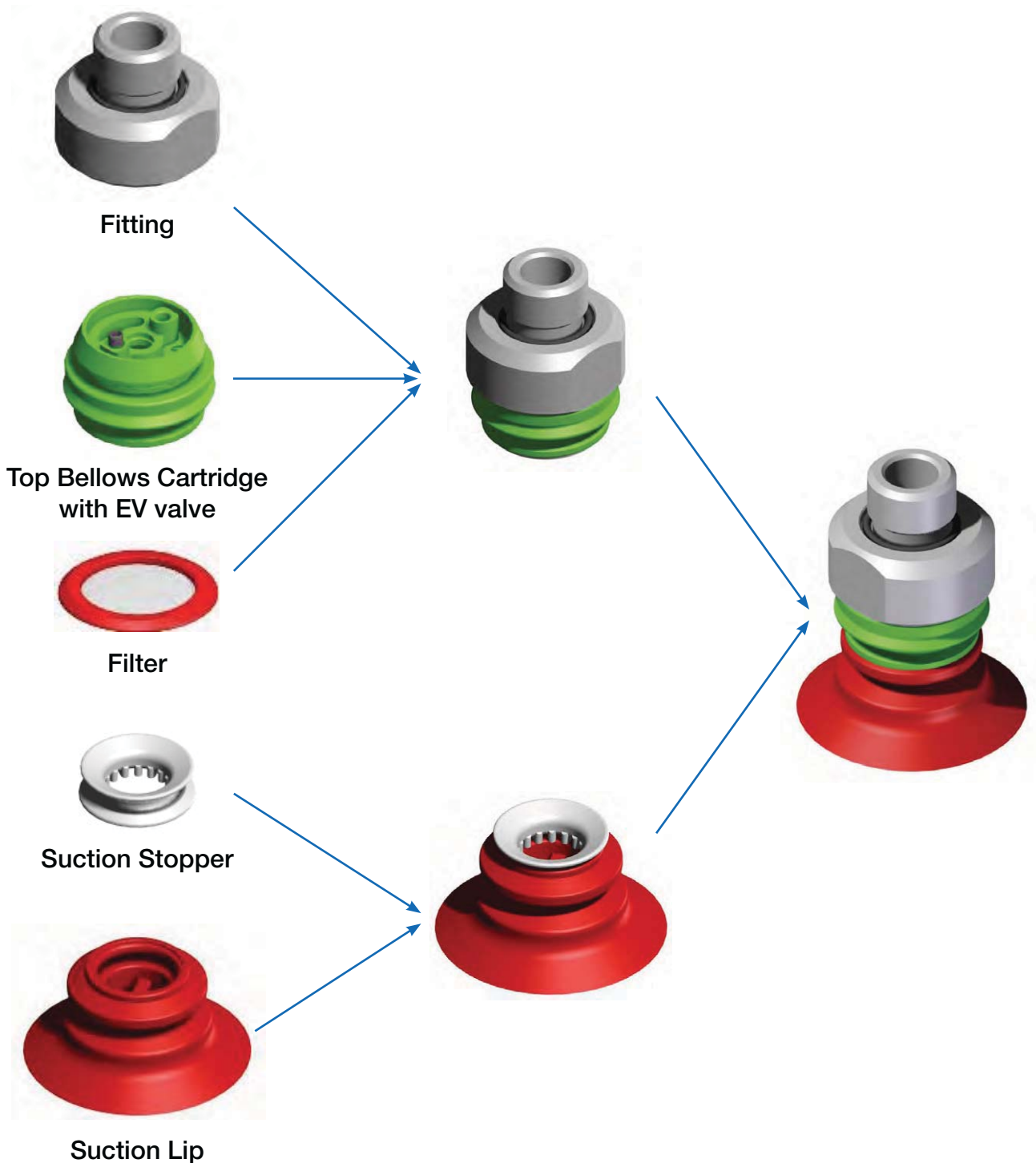




How to assemble and disassemble

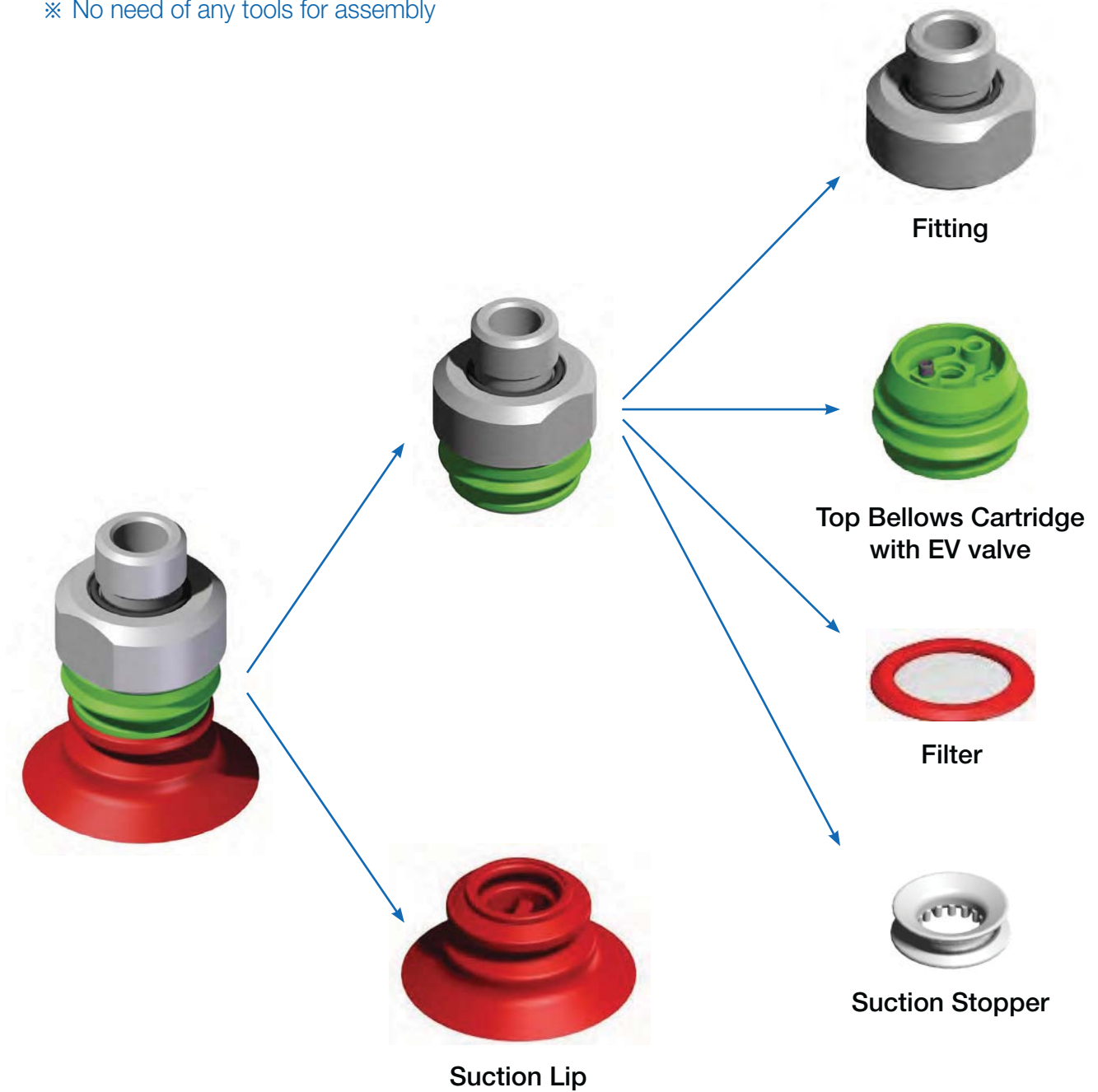
Assembly sequence

- 1) Assemble fitting, top bellows cartridge and filter together
 - 2) Put stopper and suction lip together
 - 3) Connect two parts assembled each other
- ※ No need of any tools for assembly




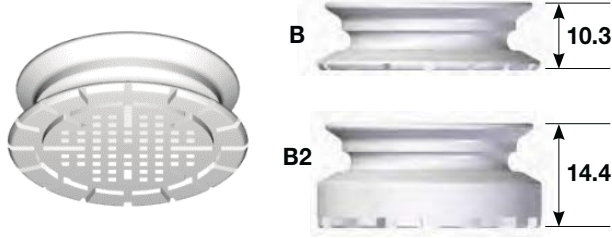

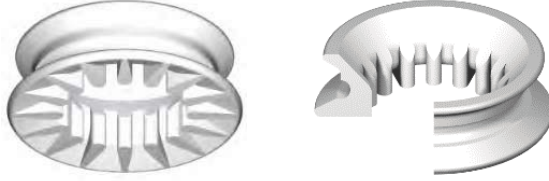


Disassembly sequence

- 1) Disassemble sealing lip firstly
 - 2) The put out fitting, bellow cartridge, filter and stopper
- ※ No need of any tools for assembly





Suction Stoppers

Stopper A	Stopper B & B2
	
<ul style="list-style-type: none"> • Recommended with X suction lip • Suitable for thin and light plastic bags 	<ul style="list-style-type: none"> • Recommended with X, U & F suction lip • Suitable for plastic bags, flexible objects • Minimized mark for plastic bags
Stopper C	Stopper D
	
<ul style="list-style-type: none"> • Recommended with X, U & F suction lip • Vacuum filter (PE) integrated • No mark for film, aluminum foil, and thin sheets 	<ul style="list-style-type: none"> • Recommended with X, U, F, P, MBU, DD & MD suction lip • Use for connecting each bellows cartridge • Suitable for flat and thin objects
Stopper F	Stopper G
	
<ul style="list-style-type: none"> • Recommended with S suction lip • Sponge suction lip 	<ul style="list-style-type: none"> • Recommended with MU & MF suction lip • Stopper is not visible when used with suction lip "MU" and "MF" type

Suction lips

"X" lip	"U" lip
	
<ul style="list-style-type: none"> • X suction lip is excellent in handling thin, light and flexible plastic bag applications • Ice cream bags, Aluminum foil 	<ul style="list-style-type: none"> • U suction lip is excellent in handling flat and slightly curved object applications • Carton boxes, Flat objects
	
"F" lip	"P" lip
	
<ul style="list-style-type: none"> • F suction lip is excellent in handling flat object applications • Thin boxes, Wooden panel, glass 	<ul style="list-style-type: none"> • P suction lip is excellent for handling heavy or thick plastic bag applications • Liquid filled plastic bags, Powder filled plastic bags
	



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Suction lips

"DD" lip	"MBU" lip
<ul style="list-style-type: none"> • DD suction lip is excellent for irregular curved surface, rough surface, and dual lip design offers a safety factor against suction lip wear and tear. 	<ul style="list-style-type: none"> • MBU suction lip is excellent in compensating the height difference for curved objects
"MD" lip	"S" lip
<ul style="list-style-type: none"> • MD suction lip is suitable for curved or uneven surface with excellent performance for rounded corners and edges 	<ul style="list-style-type: none"> • S suction lip is excellent in handling uneven surface and Mark free as optional material

Suction lips

"MU" lip	"MF" lip
	
<ul style="list-style-type: none"> • MU suction lip offers great gripping force for flat and stable surfaces • Carton boxes, Glass, Veneer sheets 	<ul style="list-style-type: none"> • MF suction lip offers great gripping force for both horizontal and vertical applications • Metal sheets, Carton boxes, Glass, Veneer sheets
