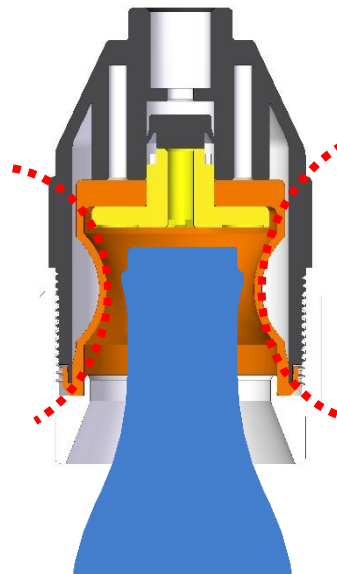
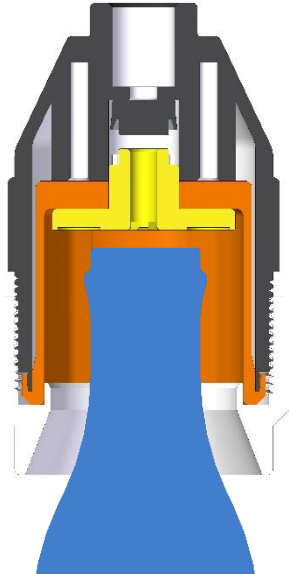


VMECA Bottle Handling Solution

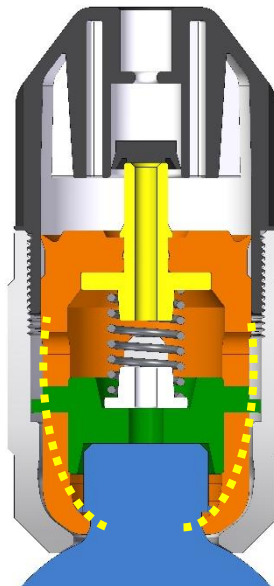
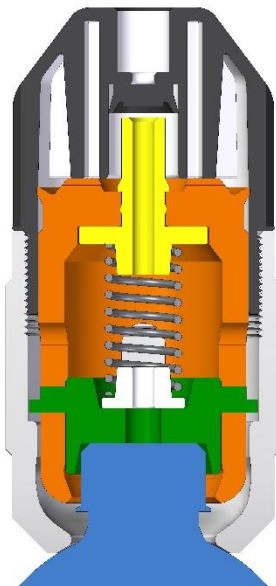
BOT Gripper



BO Series



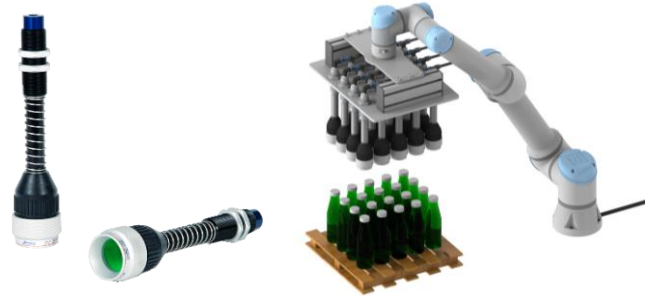
BF Series



BO Series

Feature

- Pick up and transfer glass bottles or PET bottles.

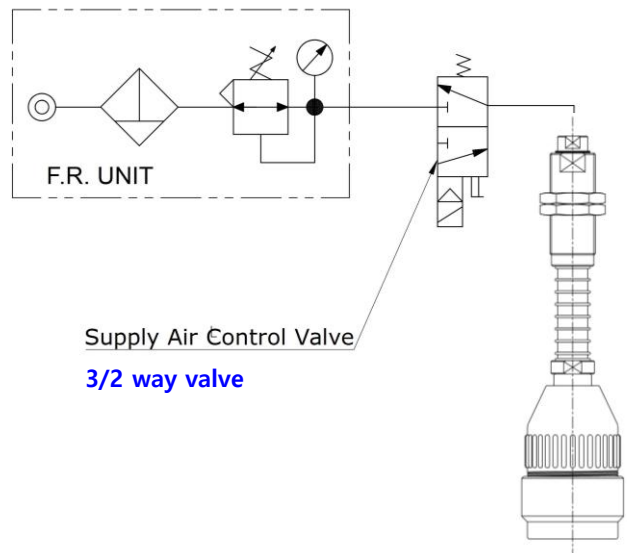
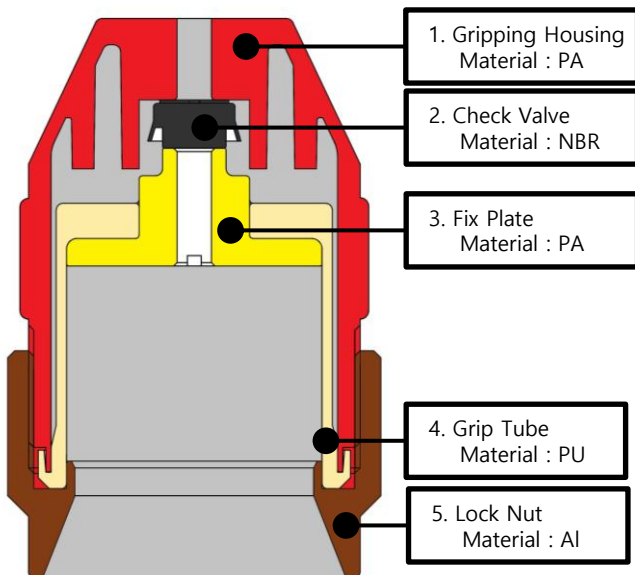


Applications

- Long-neck Bottle handing (ex. Wine, beer bottles)



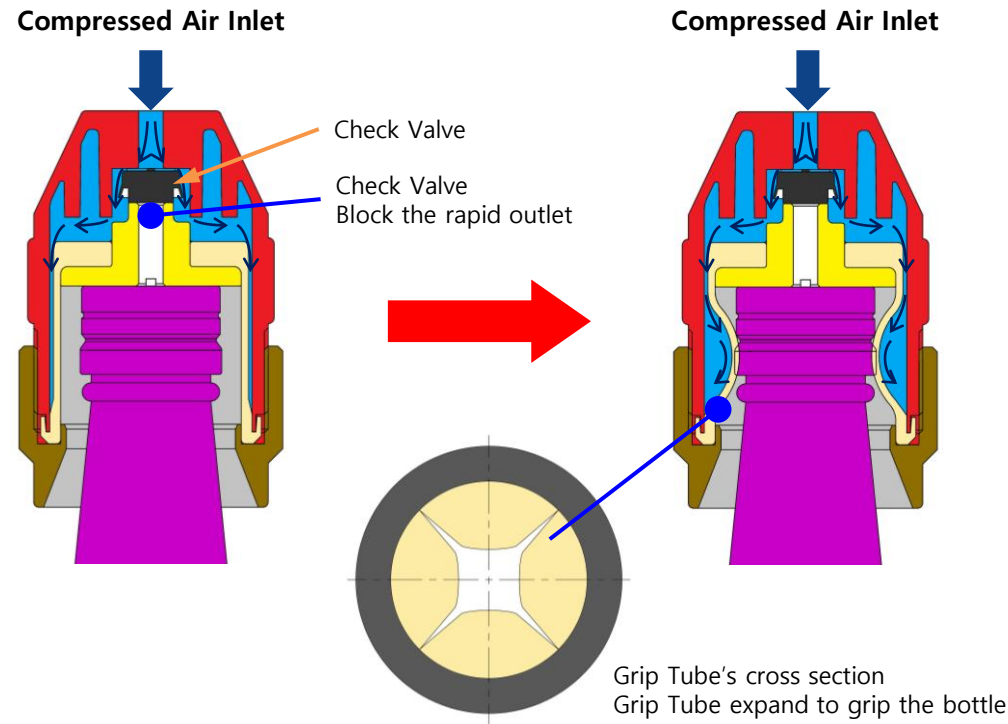
Structure & Circuit



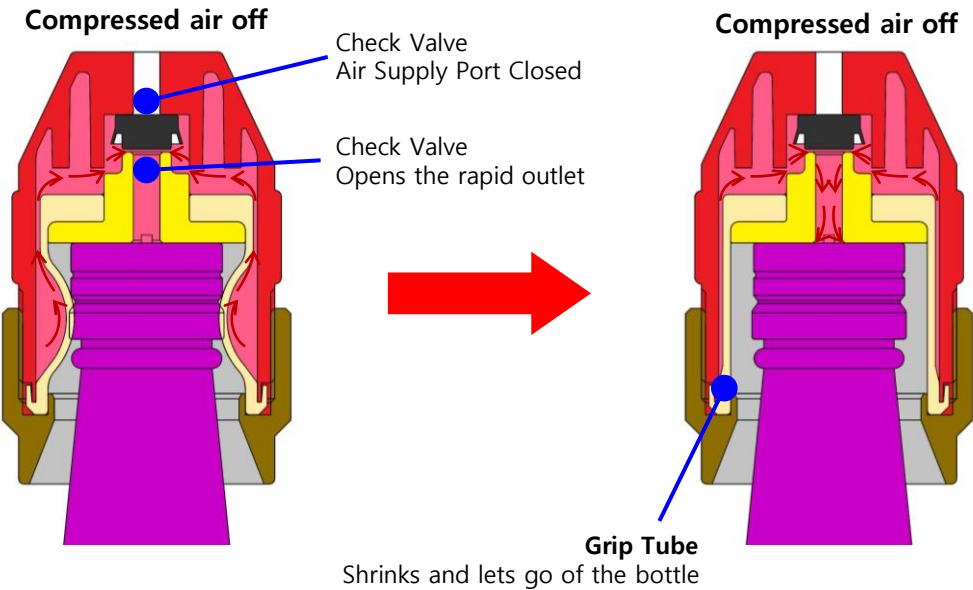
※ SUS Lock Nut Option Available

Principle of Operation

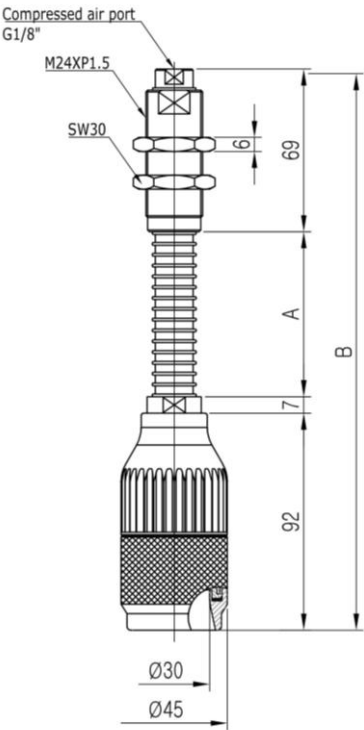
Once compressed air is supplied to pick-up head, check valve is pushed down by the compressed air and close (block) the rapid outlet, while the compressed air is supplied to the Grip Tube to inflate the Grip Tube and clamp the product.



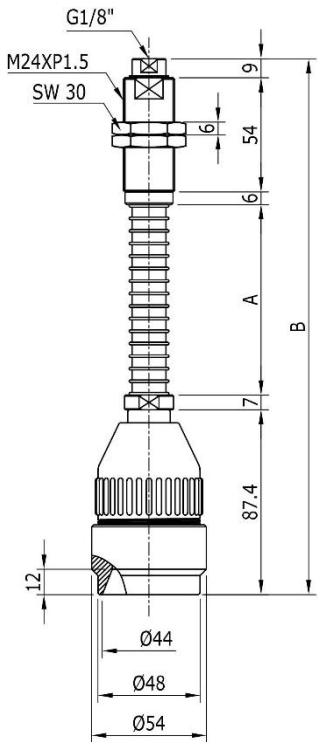
Once compressed air is stopped, check valve closes the air-inlet. The rapid outlet will be opened, and supplied air is vented out – and releases the product (bottle).



Dimensions

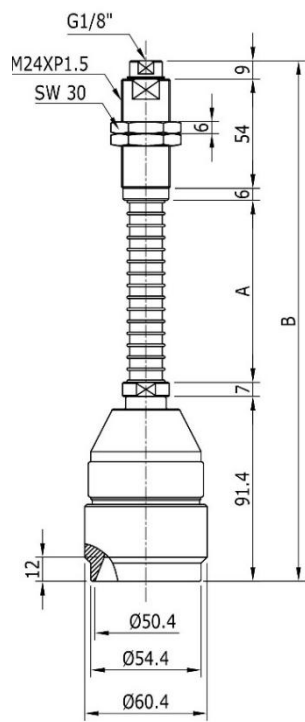


BO30		
Model	A	B
BO45-L30	50 (ST30)	218
BO45-L50	70 (ST50)	238
BO45-L70	90 (ST70)	258
BO45-L100	150 (ST100)	318



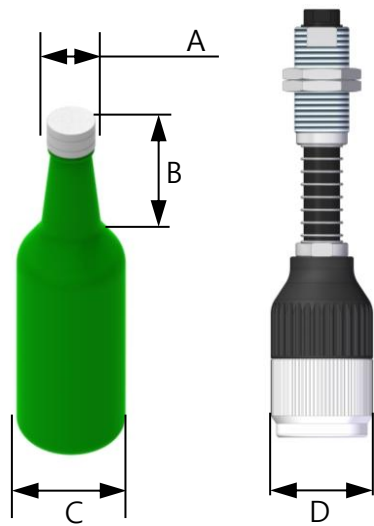
BO40		
Model	A	B
BO40-L30	50 (ST30)	213.4
BO40-L50	70 (ST50)	233.4
BO40-L70	90 (ST70)	253.4
BO40-L100	150 (ST100)	313.4

Dimensions



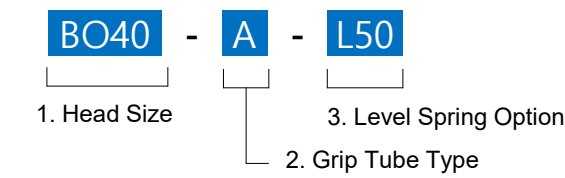
BO45		
Model	A	B
BO45-L30	50 (ST30)	217.4
BO45-L50	70 (ST50)	237.4
BO45-L70	90 (ST70)	257.4
BO45-L100	150 (ST100)	317.4

Specifications



	BO30	BO40	BO45
Lifting Force	Max. 15 kg		
(A) Available Diameter	Min. Ø19.5 ~ Max. Ø30	Min. Ø18 ~ Max. Ø32	Min. Ø32 ~ Max. Ø45
(B) Height of bottle (neck)	Min. 29mm	Min. 45.3mm	Min. 48.3mm
(C) Available Diameter	Min. Ø48	Min. Ø57	Min. Ø62
(D) Available Diameter	Min. Ø45	Min. Ø54	Min. Ø60.4
Operating pressure	(min) 1.5 bar (max) 3.5 bar		
Operating temperature	less than + 60 °C		

Build an Ordering No.



1. Head Size	Description	Symbol
	Head part, BOT Gripper, Min. Ø19.5 ~ Max. Ø30	BO30
	Head part, BOT Gripper, Min. Ø18 ~ Max. Ø32	BO40
	Head part, BOT Gripper, Min. Ø32 ~ Max. Ø45	BO45
2. Grip Tube Type	Description	Symbol
	Standard Type	A
	Anti-slip Bump Type	B
3. Level Compensator Option	Description	Symbol
	Level Compensator Option, Stroke 30mm	L30
	Level Compensator Option, Stroke 50mm	L50
	Level Compensator Option, Stroke 70mm	L70
	Level Compensator Option, Stroke 100mm	L100

BF Series

Feature

- ▶ Finger-style gripping
- ▶ Quick-release function
- ▶ Longer lifespan
 - ▶ PET Bottle
 - ▶ Bottle with crown cap

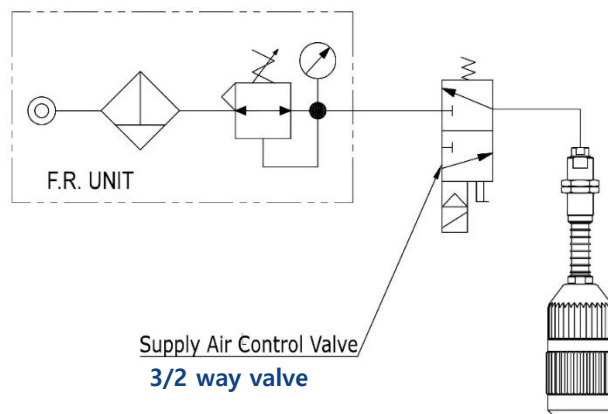
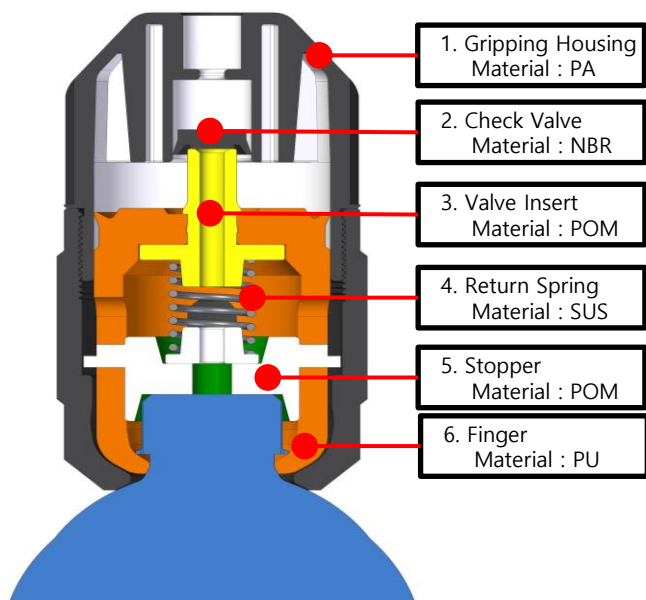


Applications

- ▶ Short-neck Bottle handing (ex. PET Bottle)
- ▶ Bottle with crown cap

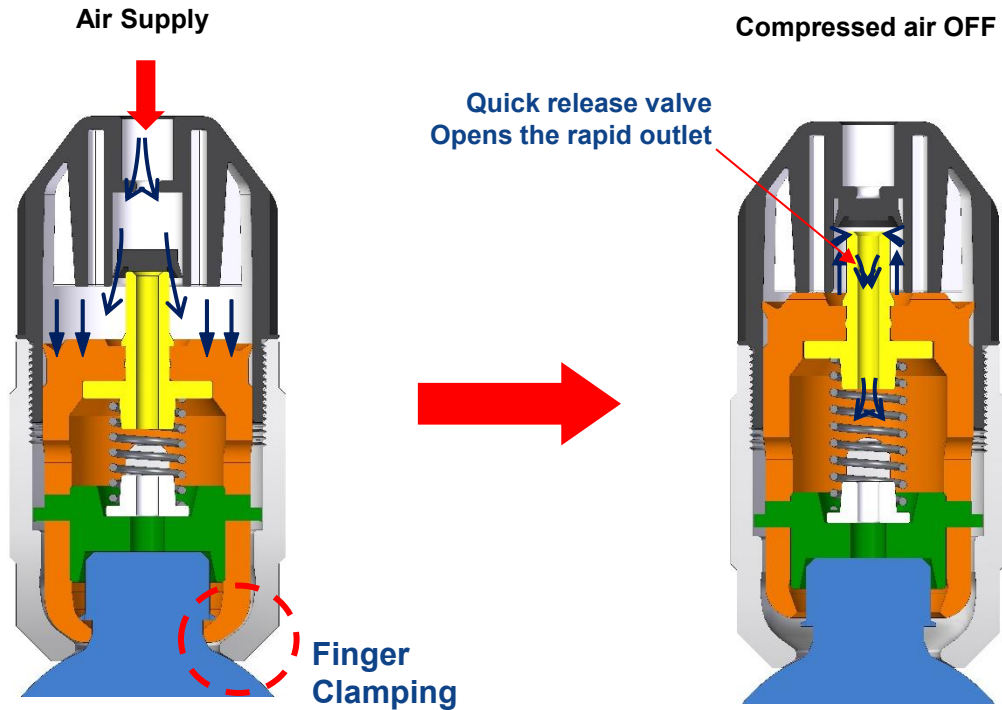


Structure & Circuit

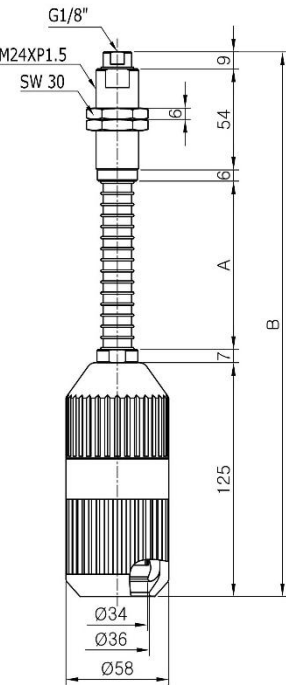


Principle of Operation

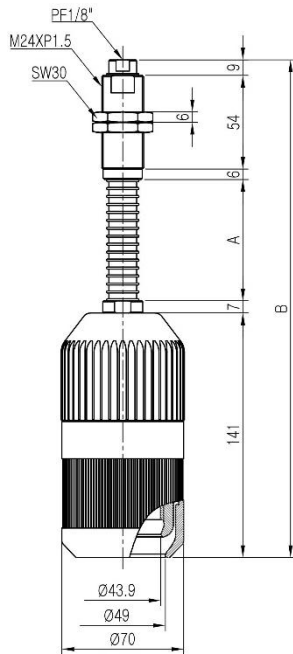
Once compressed air is supplied to the BF Gripper, quick release valve is pushed down by air pressure. Then the quick release valve close (block) the rapid outlet. With this down pressure, inner finger clamp holds the head part of the PET bottles tightly.



Dimensions

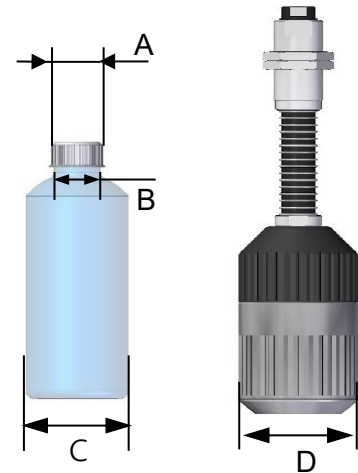


BF30X		
Model	A	B
BF30X-L30	50 (ST30)	251
BF30X-L50	70 (ST50)	271
BF30X-L70	90 (ST70)	291
BF30X-L100	150 (ST100)	351



BF40		
Model	A	B
BF40-L30	50 (ST30)	267
BF40-L50	70 (ST50)	287
BF40-L70	90 (ST70)	307
BF40-L100	150 (ST100)	357

Specifications



	BF30X	BF40
Lifting Force	Max. 20 kg	
(A) Available Diameter	Min. Ø29 ~ Max. Ø33	Min. Ø30 ~ Max. Ø47
(B) Available Diameter	Min. Ø23 ~ Max. Ø32	Min. Ø33 ~ Max. Ø46
(C) Available Diameter	Min. Ø58	Min. Ø70
(D) Available Diameter	Min. Ø58	Min. Ø70
Operating pressure	(min) 2 bar (max) 4 bar	
Operating temperature	less than + 60 °C	

Build an Ordering No.

BF40 - L50

1. Head Size 2. Level Spring Option

1. Head Size	Description	Symbol
	Head part, BOT Gripper, Min. Ø29 ~ Max. Ø33	BF30X
	Head part, BOT Gripper, Min. Ø30 ~ Max. Ø47	BF40
2. Level Compensator Option	Description	Symbol
	Level Compensator Option, Stroke 30mm	L30
	Level Compensator Option, Stroke 50mm	L50
	Level Compensator Option, Stroke 70mm	L70
	Level Compensator Option, Stroke 100mm	L100

