

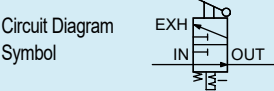


Residual Pressure Exhaust Valve Standard White Series

V1000-W/V3000-W Series

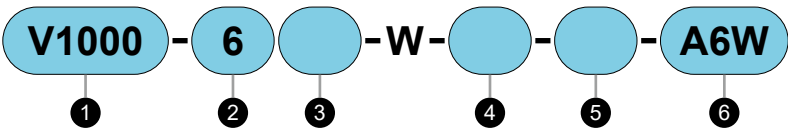
Exhaust operation is 1 action. Ideal for preventing residual pressure accidents in pneumatic lines.

- Port Size : 1/8 to 1/2

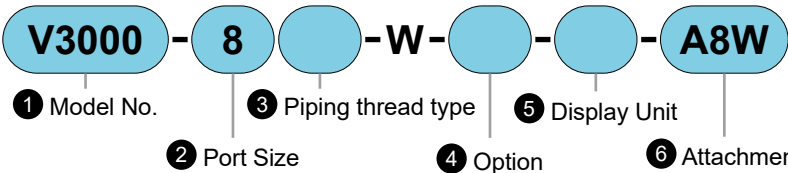


Model No. Notation

For Selex F.R.L. 1000 Series



For Selex F.R.L. 3000, 4000 Series



1 Model No.

Code	Content
V1000	Residual Pressure Exhaust Valve For F.R.L. 1000 Series
V3000	Residual Pressure Exhaust Valve For F.R.L. 2000, 3000, 4000 Series

2 Port Size

Code	Content
*1 6	Rc1/8
*2 8	Rc1/4
*2 10	Rc3/8
*2 15	Rc1/2

*1 : If port size is "6", V3000 Series cannot be selected.

*2 : For port size "10", "15", V1000 Series cannot be selected.

3 Piping thread type

Code	Content
Blank	Rc Thread
N	NPT thread
G	G Thread

4 Option

Code	Content
Blank	Standard Flow (Left → Right)
X1	IN/OUT Reverse Flow (Right → Left)

5 Display Unit

Code	Content
Blank	MPa Display, Rc Thread
J1	MPa Display, NPT, G Thread

6 Attachment (Included)

Code	Content
Blank	None included
*1 A6□W	1/8 Piping Adapter Set
A8□W	1/4 Piping Adapter Set
A10□W	3/8 Piping Adapter Set
*2 A15□W	1/2 Piping Adapter Set
*2 A20□W	3/4 Piping Adapter Set
BW	C-type Bracket
S	Silencer

* Adapter Thread Type	
Blank	Rc Thread
N	NPT thread
G	G Thread

*1 : For A6□W, V3000 Series cannot be selected.

*2 : A15 Series cannot be selected for V1000□W and A20□W.

*3 : The piping adapter set and C-type bracket cannot be used simultaneously.

*4 : The piping adapter set comes with a joiner set.

Rechargeable Batteries Compatible Specification

(Catalog No. CC-1226AA)

- Structure usable in rechargeable battery manufacturing process

V3000 - - P4□

* Please contact us for details.

Food Manufacturing Process Compatible Specification

(Catalog No. CC-1271AA)

- Uses food-grade lubricant usable in food manufacturing processes, and resin/rubber materials conforming to the Food Sanitation Act

V1000 - - FP□

V3000 - - FP□

CKD

V□000-W Series

Specifications/Usage Examples

Specifications

Item	V1000-W	V3000-W
Appearance		

Item		V1000-6-W	V1000-8-W	V3000-8-W	V3000-10-W	V3000-15-W
Operating Fluid		Compressed Air				
Max. Operating pressure MPa		1.0				
Proof Pressure MPa		1.5				
Ambient/Fluid Temperatures °C		5 to 60				
Operation Lever Switching Angle		90°				
Operation Force	Pushing force N	18		80		
	Torque N·m	0.5		2		
Valve section leakage cm³/min (ANR)		10				
External leakage cm³/min (ANR)		10				
Port Size (Rc, NPT, G)	IN/OUT	1/8	1/4	1/4	3/8	1/2
	EXH	1/8		3/8		
Weight kg		0.17		0.25		
Effective cross-sectional area (mm²)	IN / OUT	15	18	40	70	85
	OUT / EXH	5		40	50	50

Option Weight Table

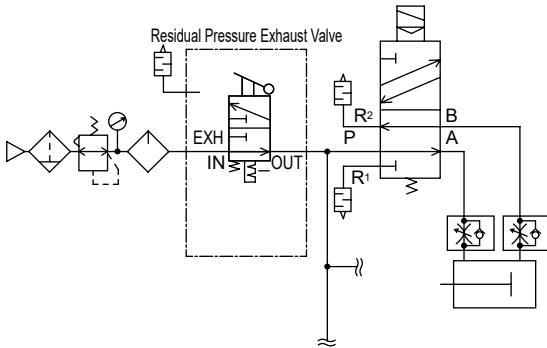
* Add to the Weight of the standard equipment.

Unit : kg

Code	Attachment						
	A6□W	A8□W	A10□W	A15□W	A20□W	BW	S
V1000	0.09	0.09	0.09			0.1	0.004
V3000		0.16	0.16	0.16	0.16	0.17	0.015

Usage Example

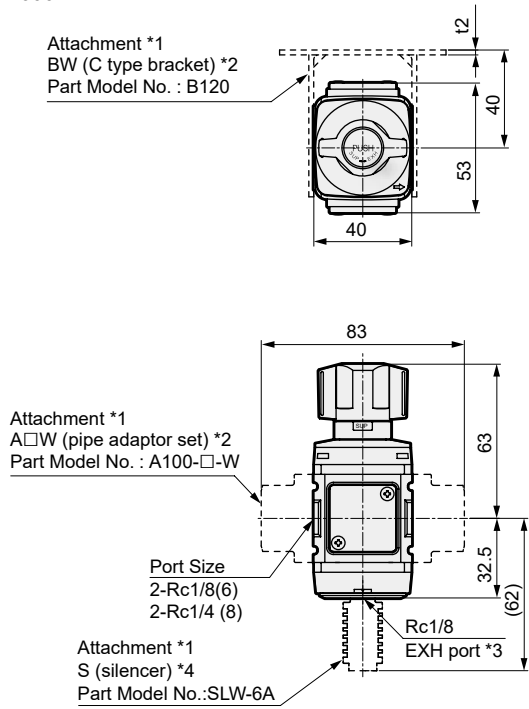
Explanation) For safety, work is performed after the compressed air in the pneumatic circuit is discharged by the residual pressure discharge valve when repairing or adjusting the solenoid valve or pneumatic cylinder, etc.



CKD

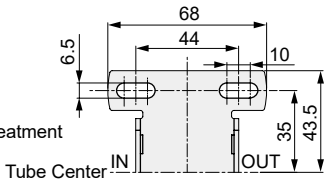
Dimensions

●V1000-W



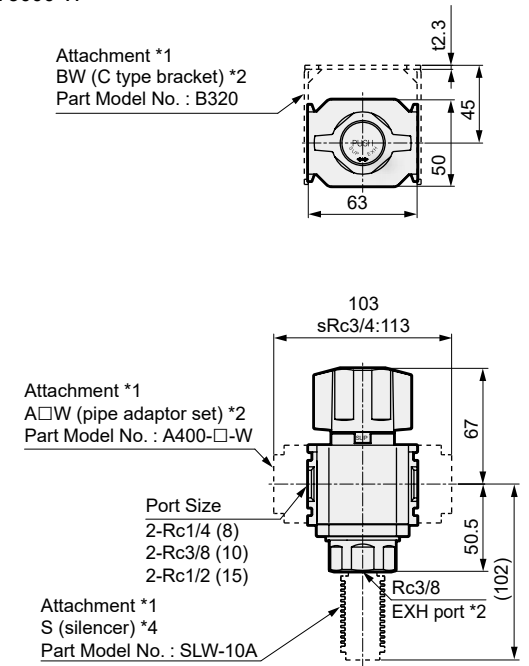
- Attachment *1
C-bracket (-BW) *2
Part Model No. : B120
- Material : Steel

Zinc Plating Treatment



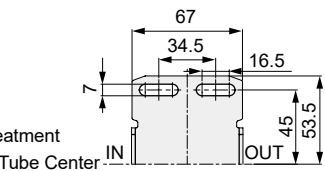
- *1 : The attachment is attached at shipment.
- *2 : C type bracket and piping adapter set cannot be used together.
- *3 : EXH port is for silencer mounting.
- *4 : The silencer is made of flame-resistant resin equivalent to UL94 Standard V-0. However, the element is not made of flame-resistant resin.

●V3000-W



- Attachment *1
C-bracket (-BW) *2
Part Model No. : B320
- Material : Steel

Zinc Plating Treatment

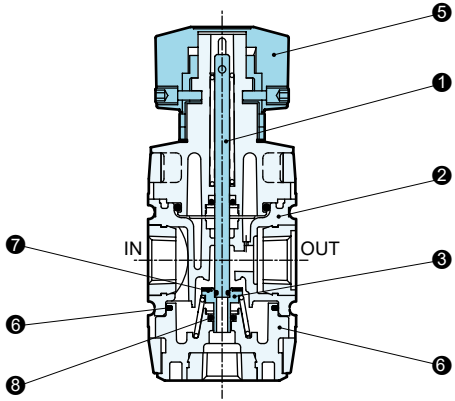


- *1 : The attachment is attached at shipment.
- *2 : C type bracket and piping adapter set cannot be used together.
- *3 : EXH port is for silencer mounting.
- *4 : The silencer is made of flame-resistant resin equivalent to UL94 Standard V-0. However, the element is not made of flame-resistant resin.

Internal Structure Diagram/Material

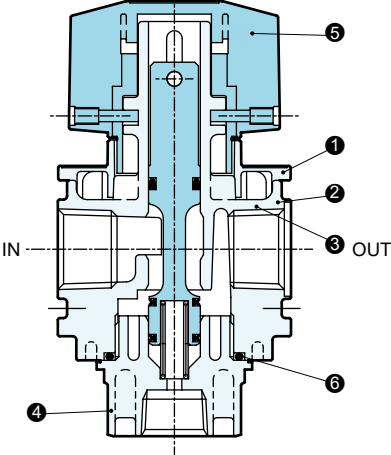
Internal Structure Diagram/Material

●V1000-W



Part No.	Part Name	Material
1	Spool	Steel
2	Body Assembly	Polyamide Resin, Steel
3	Valve element	Brass, nitrile rubber
4	Bottom Plug	Polyamide Resin, Steel
5	Knob	Polyacetal Resin
6	Packing	Nitrile rubber
7	O-ring	Nitrile Rubber
8	O-ring	Nitrile rubber

●V3000-W



Part No.	Part Name	Material
1	Plate cover	ABS Resin
2	Body	Aluminum alloy die-cast
3	Spool Assembly	Aluminum alloy urethane rubber resin
4	Bottom Plug	PBT resin *1
5	Knob	Polyacetal Resin
6	O-ring	Nitrile rubber

*1 : Metal bottom plug is a special specification product.

For maintenance parts, please visit the CKD Component Products site
(<https://www.ckd.co.jp/kiki/en/>) → "model No." → Maintenance Parts.

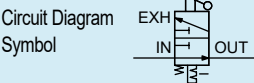


Residual pressure exhaust valve with locking hole (OSHA compliant) Standard White Series

V3010-W/V6010-W Series

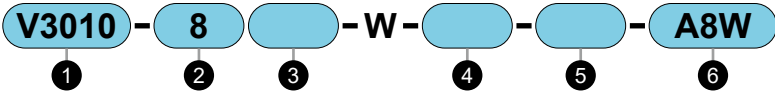
Ideal for preventing residual pressure accidents in pneumatic lines.

- Port Size : 1/4 to 1

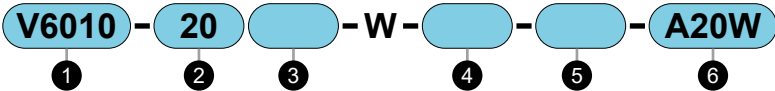


Model No. Notation

For F.R.L. 2000, 3000, 4000 Series



For F.R.L. 6000, 8000 Series



Model No. Port Size Piping thread type Option Display Unit Attachment

1 Model No.

Code	Content
V3010	With Lock Hole Residual Pressure Exhaust Valve For F.R.L2000, 3000, and 4000 Series
V6010	With Lock Hole Residual Pressure Exhaust Valve For F.R.L6000 and 8000 Series

2 Port Size

Code	Content
*1 8	1/4
*1 10	3/8
*1 15	1/2
*2 20	3/4
*2 25	1

*1 : V6010 Series cannot be selected for port sizes 8, 10, and 15.

*2 : V3010 Series cannot be selected for port sizes 20 and 25.

3 Piping thread type

Code	Content
Blank	Rc Thread
N	NPT thread
G	G Thread

4 Option

Code	Content
Blank	None
X1	IN/OUT Reverse Flow (Right → Left)

5 Display Unit

Code	Content
Blank	MPa Display, Rc Thread
J1	MPa Display, NPT, G Thread

6 Attachment (Included)

Code	Content
Blank	None included
*1 A8□W	1/4 Piping Adapter Set
*1 A10□W	3/8 Piping Adapter Set
*1 A15□W	1/2 Piping Adapter Set
A20□W	3/4 Piping Adapter Set
A25□W	1 Piping Adapter Set
*2 A32□W	1 1/4 Piping Adapter Set
BW	C-type Bracket
S	Silencer

*Adapter Thread Type	
Blank	Rc Thread
N	NPT thread
G	G Thread

*1 : For A8W, A10W, and A15W, the V6010 Series cannot be selected.

*2 : A32W does not select V3010 Series.

*3 : The piping adapter set and C-type bracket cannot be used simultaneously.

*4 : The piping adapter set comes with a joiner set.



When installing the V□010-W on the primary side of the Regulators and filter regulator, select (R□100-W) reverse filter regulator (W□100-W).

V□010-W Series

Specifications/usage methods

Specifications

Item		V3010-8-W	V3010-10-W	V3010-15-W	V6010-20-W	V6010-25-W
Operating Fluid		Compressed Air				
Max. Operating pressure MPa		1.0				
Proof Pressure MPa		1.5				
Ambient/Fluid Temperatures °C		5 to 60				
Operation Lever Switching Angle		90 °				
Operation Force	Pushing force N	80 or less				
	Torque N·m	2.5 or less				
Valve seat leakage cm³/min (ANR)		10 or less				
External leakage cm³/min (ANR)		10 or less				
Port Size	IN/OUT	1/4	3/8	1/2	Rc 3/4	Rc1
(Rc, NPT, G)	EXH	3/8			Rc1/2	
Weight kg		0.3			0.8	
Effective cross-sectional area (mm²)	IN → OUT	40	70	85	145	150
	OUT → EXH	40	50	50	105	110

Option Weight Table *Add to the Weight of the standard equipment.

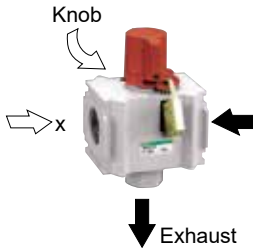
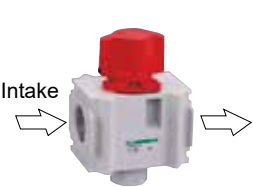
Unit : kg

Code	Attachment							
	A8□W	A10□W	A15□W	A20□W	A25□W	A32□W	BW	S
V3010	0.16	0.16	0.16	0.16	0.16		0.17	0.015
V6010				0.53	0.53	0.53	0.34	0.02

Usage

- During Normal Use

- During maintenance work, it can be locked in the position where residual pressure is released.



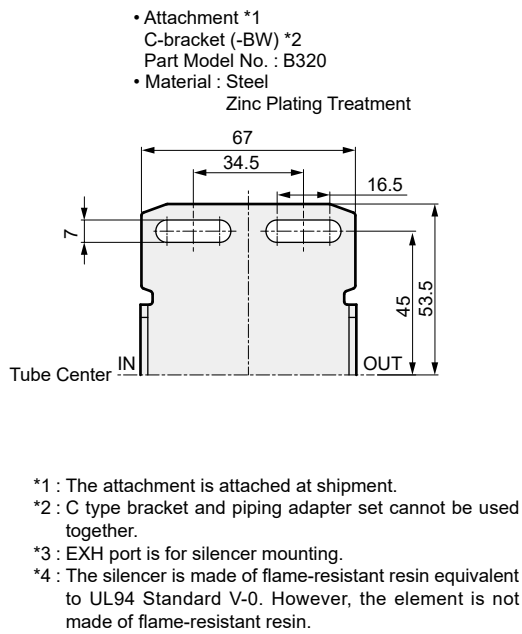
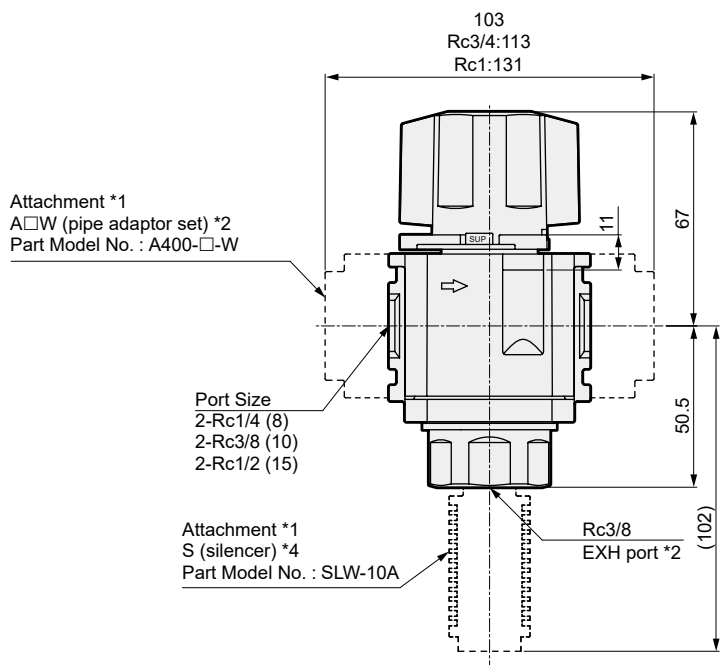
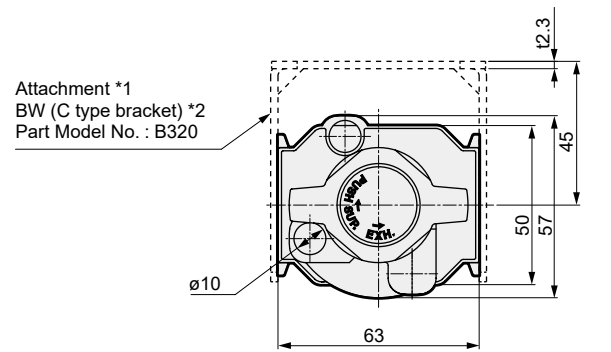
OSHA (Occupational Safety and Health Administration)

OSHA establishes the US safety standards for employees.

[Lockout/Tagout Regulations]

When conducting maintenance on machinery, close the air source with a SHUT-OFF VALVE and simultaneously discharge the residual pressure. (Residual pressure exhaust valve) If a third party inadvertently operates the valve during this operation and compressed air is applied, the cylinder, etc., could move suddenly and injure personnel. This standard states that, "All valves used for such purposes shall have a key or a structure which can be locked with a key."

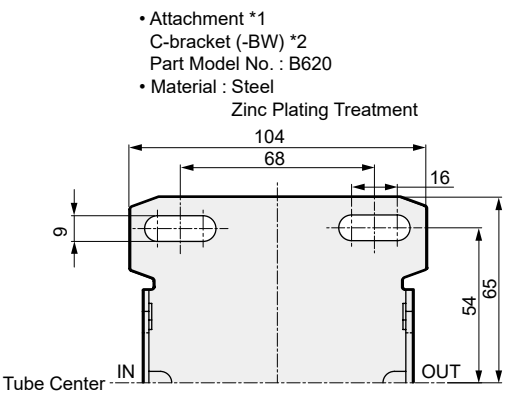
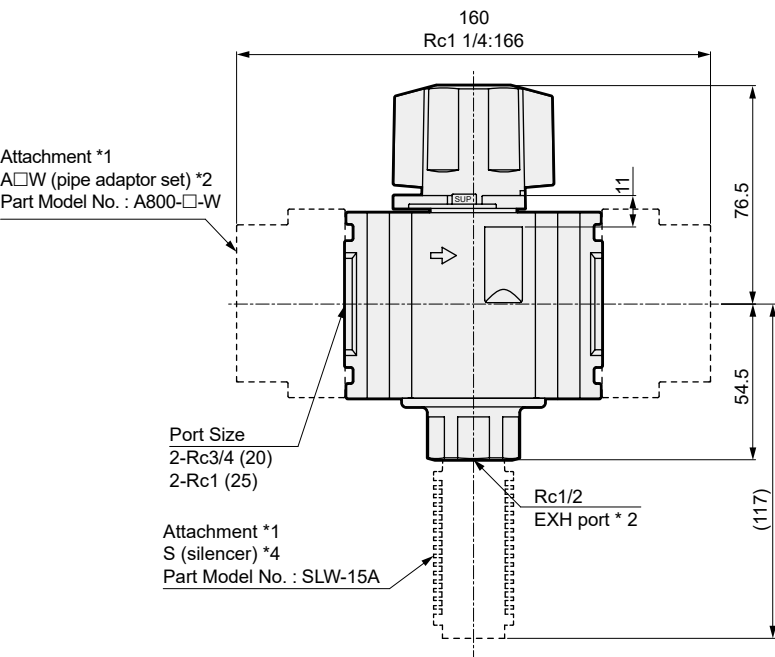
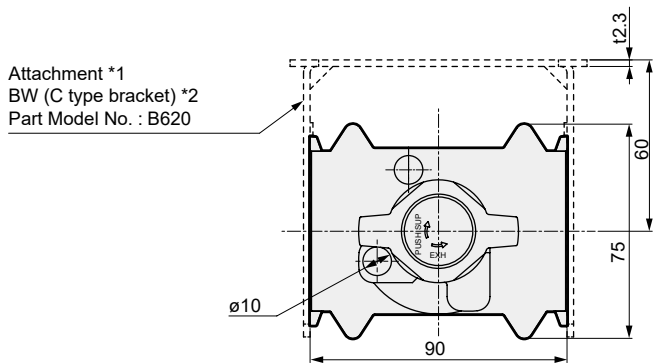
External Dimensions (V3010-W)



- *1 : The attachment is attached at shipment.
- *2 : C type bracket and piping adapter set cannot be used together.
- *3 : EXH port is for silencer mounting.
- *4 : The silencer is made of flame-resistant resin equivalent to UL94 Standard V-0. However, the element is not made of flame-resistant resin.

External Dimensions/Internal Structure Diagram/Material

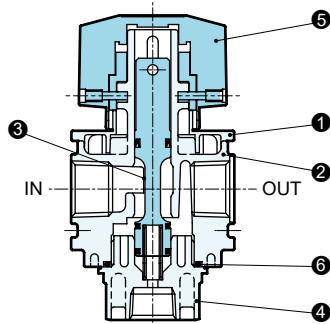
External Dimensions (V6010-W)



- *1 : The attachment is attached at shipment.
- *2 : C type bracket and piping adapter set cannot be used together.
- *3 : EXH port is for silencer mounting.
- *4 : The silencer is made of flame-resistant resin equivalent to UL94 Standard V-0. However, the element is not made of flame-resistant resin.

Internal Structure Diagram/Material

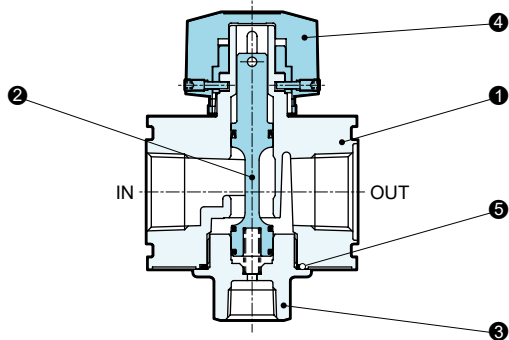
●V3010-W



No.	Part Name	Material
1	Plate Cover	ABS Resin *1
2	Body	Aluminum alloy die-cast
3	Spool Assembly	Aluminum alloy urethane rubber resin
4	Bottom Plug	PBT resin *1, *2
5	Knob	Aluminum alloy die-cast
6	O-ring	Nitrile rubber

*1 : Flame resistant resin UL94 standard V-0 equivalent
*2 : Metal bottom plug is a special specification product.

●V6010-W



No.	Part Name	Material
1	Body	Aluminum alloy die-cast
2	Spool Assembly	Aluminum Alloy, Hydrogenated Nitrile Rubber
3	Bottom Plug	Aluminum alloy die-cast
4	Knob	Aluminum alloy die-cast
5	O-ring	Nitrile rubber

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