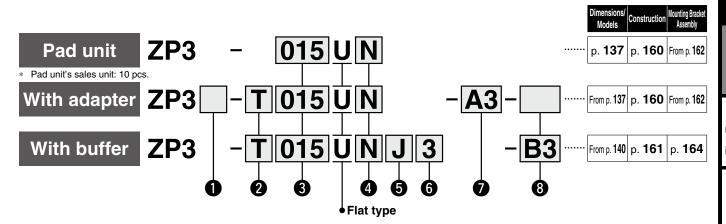


ZP3 Series

Pad diameter: \emptyset 1.5, \emptyset 2, \emptyset 3.5



How to Order



Adapter material

Nil	Brass
S*1	Stainless steel (Stainless steel 304)
*1 Only	applicable to the pad with adapter

5 Buffer specification

J	Rotating
K	Non-rotating

2 Vacuum inlet direction 3 Pad diameter

Nil	Pad unit			
Т	Vertical			
Υ	Lateral			

015 ø1.5 02 ø2 035 ø3.5

6 Buffer stroke Stroke Pad diameter [mm] All sizes 3

6	
_	

With adapter

Connection thread/ 8 Vacuum inlet ○: ZP3□-T/Vertical ●: ZP3□-Y/Lateral						
Connection thread				Va	cuum inlet	Pad diameter
Type	Symbol	Size	Type	Symbol	Size	All sizes
	A3	M3 x 0.5	— Nil —*1		0	
			Female thread	B3	M3 x 0.5	0
Male		M6 x 0.75	One-touch	02	02 ø2	
thread	A6		fitting*4	04	ø4	0
			Barb fitting*4	U2	For ø2 polyurethane tubing*2	0
			Darb Illling**	U4	For ø4 soft tubing*3	0
			— Nil		<u></u> *1	0
			Female thread B3		M3 x 0.5	•
Female	В3	M3 x 0.5	One-touch	02	ø2	•
thread	🗗	M3 X U.5	fitting*4	04	ø4	•
			Doub fittings*4	U2	For ø2 polyurethane tubing	•
			Barb fitting*4	U4	For ø4 soft tubing	•

4 Material

N	NBR		
S	Silicone rubber*1 *2		
U	Urethane rubber		
F	FKM		
GN	Conductive NBR		
GS	Conductive silicone rubber		

- *1 Uses a material compliant with a dissolution test of the FDA (U.S. Food and Drug Administration) regulation 21CFR§177.2600 for "Rubber articles intended for repeated use."
- *2 Uses a material compliant with the standards for "Rubber apparatus (excluding baby drinking apparatus) and containers/ packaging" (D3) (Partial revision: Japanese Ministry of Health, Labour, and Welfare Notification No. 595, 2012) in Section 3 "Apparatus and Containers/Packaging" of the Japan Food Sanitation Act, Article 18 "Specifications and Standards for Food and Food Additives, etc." (Japanese Ministry of Health and Welfare Notification No. 370, 1959)
- *1 Use the connection thread.
- *2 Polyurethane tube piping
- *3 Soft nylon/Polyurethane tube piping
- *4 Not compatible with stainless steel materials

With buffer

8 Vacuum i	nlet	O: ZP3-T/Vertical ●: ZP3-Y/Lateral		
Type	Symbol	Size	Pad diameter	
Туре		Size	All sizes	
Female thread B3 One-touch 02		M3 x 0.5	0	
		ø2	0	
fitting	04	ø4	0	
Barb fitting	U2	For ø2 polyurethane tubing	0	
Darb litting	U4	For ø4 soft tubing	0	

- * It is not necessary to select a connection thread.
- * The pad, mounting nut, and fitting are shipped together but do not come assembled.



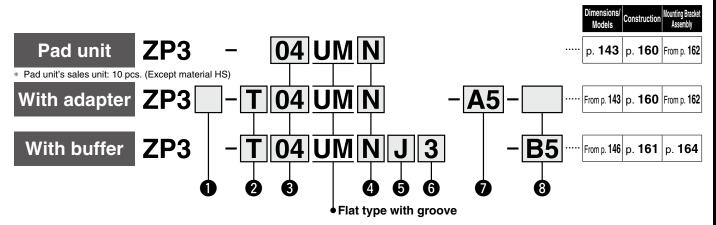


Compact Type Flat Type with Groove

P3 Series

Pad diameter: Ø4, Ø6, Ø8, Ø10, Ø13, Ø16

How to Order



Adapter material

Buffer specification

Nil	Brass
S*1	Stainless steel (Stainless steel 304)

*1 Only applicable to the pad with adapter

2 Vacuum inlet direction 3 Pad diameter

Nil	Pad unit
Т	Vertical
Y	Lateral

04	ø4
06	ø6
08	ø8
10	ø10
13	ø13
16	ø16

N	NBR		
S	Silicone rubber*1*2		
U	Urethane rubber		
F	FKM		
GN	Conductive NBR		
GS	S Conductive silicone rubber		
HS	Semiconductive silicone rubber		

6 Buffer stroke

J	Rotating	Stroke	Buffer s	
JB	Rotating, With bushing	[mm]	J	
K	Non-rotating	3	•	
		6	•	
		10	•	
		4-		

Stroke	Buffer specification			
[mm]	J	JB	K	
3	•	_	•	
6	•	_	•	
10	•	_	•	
15	_	•	•	
20	_	•	•	

- *1 Uses a material compliant with a dissolution test of the FDA (U.S. Food and Drug Administration) regulation 21CFR§177.2600 for "Rubber articles intended for repeated use."
- *2 Uses a material compliant with the standards for "Rubber apparatus (excluding baby drinking apparatus) and containers/ packaging" (D3) (Partial revision: Japanese Ministry of Health, Labour, and Welfare Notification No. 595, 2012) in Section 3 "Apparatus and Containers/Packaging" of the Japan Food Sanitation Act, Article 18 "Specifications and Standards for Food and Food Additives, etc." (Japanese Ministry of Health and Welfare Notification No. 370, 1959)

With adapter

Tonnection thread/ Solution Vacuum inlet O: ZP3□-T/Vertical Solution: ZP3□-Y/Lateral								
7 Co	7 Connection thread			8 Vacuum inlet			Pad diameter [mm]	
Type	Symbol	Size	Type	Symbol	Size	ø4 to ø8	ø10 to ø16	
	A5	M5 x 0.8	_	Nil	Use the connection thread.	0	0	
			Female thread	B5	M5 x 0.8	0	_	
			One-touch	02*3	ø2	0	_	
	A10	M10 x 1	fitting	04	ø4	0	_	
			Barb	U2	For ø2 polyurethane tubing*1	0	_	
NA-1-			fitting*3	U4	For ø4 soft tubing*2	0	_	
Male thread		M12 x 1	Female thread	B5	M5 x 0.8	_	0	
uneau	A12		One-touch fitting	02*3	ø2	_	0	
				04	ø4	_	0	
				06	ø6	_	0	
			Barb fitting*3	U2	For ø2 polyurethane tubing*1	_	0	
				U4	For ø4 soft tubing*2	_	0	
				U6	For ø6 soft tubing*2	_	0	
			_	Nil	Use the connection thread.	0	0	
			Female thread	B5	M5 x 0.8	•	•	
			One touch	02	ø2	•		
Female	B5	M5 x 0.8	One-touch fitting*3	04	ø4	•	•	
thread	БЭ		Intuing 'S	06	ø6	_		
			Daula	U2	For ø2 polyurethane tubing*1	•		
			Barb fitting*3	U4	For ø4 soft tubing*2	•	•	
				U6	For ø6 soft tubing*2	_	•	

With buffer

Vacuum inlet		○: ZP3-T/Vertical ●: ZP3-Y/Lateral				
Ti un a Cumb		Cino		Pad diameter [mm]		
Type	Symbol		Size		ø10 to ø16	
Female thread	B5		M5 x 0.8	0	0	
One-touch fitting	02		ø2	0	0	
	04		ø4	0	0	
illing	06		ø6	_	0	
Doub	U2	For ø2	polyurethane tubing*1	0	0	
Barb	U4	For	ø4 soft tubing*2	0	0	

- U6 *1 Polyurethane tube piping
- *2 Soft nylon/Polyurethane tube piping
- *3 Not compatible with stainless steel materials
- * It is not necessary to select a connection thread.

For ø6 soft tubing*2

The pad, mounting nut, and fitting are shipped together but do not come assembled.



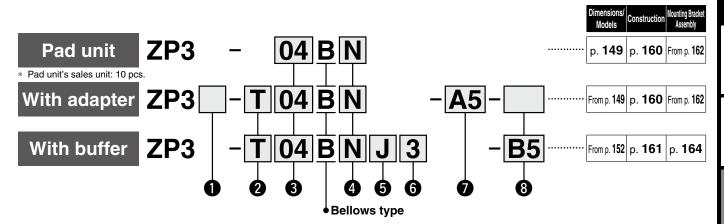
Compact Type Bellows Type

P3 Series

Pad diameter: Ø4, Ø6, Ø8



How to Order



Adapter material

Nil	Brass
S*1	Stainless steel (Stainless steel 304)

*1 Only applicable to the pad with adapter

5 Buffer specification

J	Rotating
JB	Rotating, With bushing
K	Non-rotating

2 Vacuum inlet direction 3 Pad diameter

Nil	Pad unit
Т	Vertical
Υ	Lateral

6 Buffer stroke

04	ø4
06	ø6
08	ø8

Stroke	Bu	uffer specification	on
[mm]	J	JB	K
3	•	_	•
6	•	_	•
10	•	_	•
15	_	•	•
20			

With adapter

7 Con	nection	thread/	Vacuum inle	et	O: ZP3□-T/Vertical ●: ZI	P3□-Y/Lateral	
0 0	onnectio	n thread		8 Vacuum inle		Pad diameter	
Type	Symbol	Size	Type	Symbol	Size	All sizes	
	A5	M5 x 0.8	_	Nil	Use the connection thread.	0	
			Female thread	B5	M5 x 0.8	0	
Male			One-touch	02*3	ø2	0	
thread A1	A10	M10 x 1	fitting	04	ø4	0	
			Barb fitting*3	U2	For ø2 polyurethane tubing	0	
				U4	For ø4 soft tubing	0	
			_	Nil	Use the connection thread.	0	
			Female thread	B5	M5 x 0.8	•	
Female thread B5	DE	B5 M5 x 0.8	One-touch	02	ø2	•	
	Бэ		fitting*3	04	ø4	•	
				Doub fittings 3	U2	For ø2 polyurethane tubing*1	•
			Barb fitting*3	U4	For ø4 soft tubing*2	•	

4 Material

N	NBR
S	Silicone rubber*1 *2
U	Urethane rubber
F	FKM
GN	Conductive NBR
GS	Conductive silicone rubber

- *1 Uses a material compliant with a dissolution test of the FDA (U.S. Food and Drug Administration) regulation 21CFR§177.2600 for "Rubber articles intended for repeated use."
- *2 Uses a material compliant with the standards for "Rubber apparatus (excluding baby drinking apparatus) and containers/ packaging" (D3) (Partial revision: Japanese Ministry of Health, Labour, and Welfare Notification No. 595, 2012) in Section 3 "Apparatus and Containers/Packaging" of the Japan Food Sanitation Act, Article 18 "Specifications and Standards for Food and Food Additives, etc." (Japanese Ministry of Health and Welfare Notification No. 370, 1959)
- *1 Polyurethane tube piping
- *2 Soft nylon/Polyurethane tube piping
- *3 Not compatible with stainless steel materials

With buffer

8 Vacuum inlet		O: ZP3-T/Vertical ●: ZP3-Y/Lateral		
Tuno	Symbol Size		Pad diameter	
Type	Symbol	Size	All sizes	
Female thread	B5	M5 x 0.8	0	
One-touch	02	ø2	0	
fitting	04	ø4	0	
Barb fitting	U2	For ø2 polyurethane tubing*1	0	
Darb Illing	U4	For ø4 soft tubing*2	0	

* It is not necessary to select a connection thread.

* The pad, mounting nut, and fitting are shipped together but do not come assembled.



Compact Type Bellows Type with Ribs

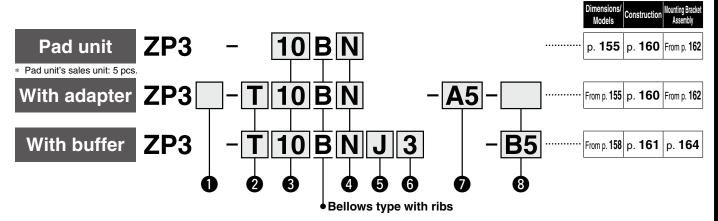
ZP3 Series

Pad diameter: Ø10, Ø13, Ø16





How to Order



10

13

16

Adapter material

Nil	Brass
S*1	Stainless steel (Stainless steel 304)

*1 Only applicable to the pad with adapter

2 Vacuum inlet direction 3 Pad diameter

Nil	Pad unit
Т	Vertical
Y	Lateral

ameter 4 Material

ø10

ø13

ø16

N	NBR					
S	Silicone rubber*1 *2					
U	Urethane rubber					
F	FKM					
GN	Conductive NBR					
GS	Conductive silicone rubber					

- *1 Uses a material compliant with a dissolution test of the FDA (U.S. Food and Drug Administration) regulation 21CFR§177.2600 for "Rubber articles intended for repeated use."
- *2 Uses a material compliant with the standards for "Rubber apparatus (excluding baby drinking apparatus) and containers/packaging" (D3) (Partial revision: Japanese Ministry of Health, Labour, and Welfare Notification No. 595, 2012) in Section 3 "Apparatus and Containers/Packaging" of the Japan Food Sanitation Act, Article 18 "Specifications and Standards for Food and Food Additives, etc." (Japanese Ministry of Health and Welfare Notification No. 370, 1959)

5 Buffer specification

_	
J	Rotating
JB	Rotating, With bushing
K	Non-rotating

6 Buffer stroke

Stroke	Buffer specification			
[mm]	J	JB	K	
3	•	_	•	
6	•	_	•	
10	•	_	•	
15	_	•	•	
20	-	•	•	

With adapter

7 Connection thread/ 8 Vacuum inlet ○: ZP3□-T/Vertical ●: ZP3□-Y/Lateral						
7 Cor	nection	n thread		8 Vacuum inlet		Pad diameter
Type	Symbol	Size	Type	Symbol	Size	All sizes
	A5	M5 x 0.8	_	Nil	Use the connection thread.	0
		M12 x 1	Female thread	B5	M5 x 0.8	0
	A12		One-touch fitting	02 *3	ø2	0
Male thread				04	ø4	0
				06	ø6	0
			Barb fitting*3	U2	For ø2 polyurethane tubing	0
				U4	For ø4 soft tubing	0
				U6	For ø6 soft tubing	0
	B5	M5 x 0.8	_	Nil	Use the connection thread.	0
			Female thread	B5	M5 x 0.8	•
			One-touch fitting*3	02	ø2	•
Female thread				04	ø4	•
				06	ø6	•
			Barb fitting*3	U2	For ø2 polyurethane tubing*1	•
				U4	For ø4 soft tubing*2	•
				U6	For ø6 soft tubing*2	•

- *1 Polyurethane tube piping
- *2 Soft nylon/Polyurethane tube piping
- *3 Not compatible with stainless steel materials

With buffer

Vacu	um i	nlet \bigcirc : ZP3-T/Vertical $lacktriangle$: Z	ZP3-Y/Lateral
Time	Symbol	Size	Pad diameter
Type		Size	All sizes
Female thread	thread B5 M5 x 0.8		0
On a taurah	02	ø2	0
One-touch fitting	04	ø4	0
nuing	06	ø6	0
Dowlo	U2	For ø2 polyurethane tubing	0
Barb fitting	U4	For ø4 soft tubing	0
intility	U6	For ø6 soft tubing	0

* It is not necessary to select a connection thread.

* The pad, mounting nut, and fitting are shipped together but do not come assembled.