

How to order

Compact type vacuum pad with adapter

S-ZP

T

02

U

N

B5



① Vacuum inlet direction		⑦ Vacuum entry port	⑧ Mounting thread
T	Vertical	A4 A5 A6	-
		B4 B5	-
	Lateral	U2 U4 N4 U6 N6	A12
		B5 04 06	
R	Lateral	04 06	A5 A6
			B4 B5
Y	Lateral	U2 U4 N4 U6 N6	A5 A6
		B5 03 23 04 06	
	Vertical	03S 23S 04S 06S	B4 B5

③ Pad type☆	② Pad dia (mm)										Oval with flat		
	02	04	06	08	10	13	16	2004	3507	4010			
U	●	●	●	●	-	-	-	●	●	●			
UT	-	-	-	-	●	●	●	-	-	-			
CT	-	-	-	-	●	●	●	-	-	-			
B	-	-	●	●	-	-	-	-	-	-			
J	-	-	●	-	-	-	-	-	-	-			

④ material

N	NBR
S	Silicone rubber

⑧ Mounting thread diameter

A5	M5 x 0.8
A6	M6 x 1.0
A12	M12 x 1.0
B4	M4 x 0.7
B5	M5 x 0.8

⑦ Vacuum entry diameter

Male thread	Female thread	One-touch fitting Hex	
A4	M4 x 0.7	U2	φ2PU tube
A5	M5 x 0.8	U4	φ4PU tube
A6	M6 x 1.0	N4	φ4Nylon tube
B4	M4 x 0.7	U6	φ6PU tube
B5	M5 x 0.8	N6	φ6Nylon tube
03	φ3	03S	φ3
23	φ3.2	23S	φ3.2
04	φ4	04S	φ4
06	φ6	06S	φ6



Compact type vacuum pad with buffer

S-ZP

T

02

U

N

J

6

B5

A8

① Vacuum inlet direction		⑤ Buffer type	⑥ Buffer stroke (mm)	⑦ Vacuum entry port	⑧ Mounting thread
T	Vertical	J		B3 B5	A8
		K	6 10 15 25	U4 N4 U6 N6	
	Lateral	J	3 6 10	B3 B5 U4 U6	空白
		K	15 20	03 23 04 06	
R	Lateral	J		04 06	A8
		K	6 10 15 25		
	Vertical	J		U2 U4 N4 U6 N6	A8
		K	6 10 15 25	B5 03 23 04 06	
Y	Lateral	J		03S 23S 04S 06S	
		K	3 6 10 15 20		
	Vertical	J			
		K	6 10 15 25		

③ Pad type☆	② Pad dia (mm)										Oval with flat		
	02	04	06	08	10	13	16	2004	3507	4010			
U	●	●	●	●	-	-	-	●	●	●			
UT	-	-	-	-	●	●	●	-	-	-			
CT	-	-	-	-	●	●	●	-	-	-			
B	-	-	●	●	-	-	-	-	-	-			
J	-	-	●	-	-	-	-	-	-	-			

④ material

N	NBR
S	Silicone rubber

⑤ Buffer type

J	Buffer type
JB	Rotating
K	Rotating

⑧ Mounting thread diameter

A8	M8 x 1.0
hread	M8 x 0.75

⑦ Vacuum entry diameter

Male thread	Female thread	One-touch fitting Hex	
B3	M3 x 0.5	U2	φ2PU tube
		U4	φ4PU tube
		N4	φ4Nylon tube
		U6	φ6PU tube
		N6	φ6Nylon tube
03	φ3	03S	φ3
23	φ3.2	23S	φ3.2
04	φ4	04S	φ4
06	φ6	06S	φ6

Mounting thread diameter	Tightening Torque	Spring Reactive force	
		0 stroke	Full stroke
M8 x 1.0	1.5-2.0	1.0	3.0
M8 x 0.75	2.0-2.5	0.2	0.5

# S-ZP Compact type vacuum pad U, UT, CT(2-16) with buffer

(mm)

## Dimensions

Compact vacuum pad U, UT, CT																																											
S-ZPT Vertical vacuum entry male thread A4,A5,A6			Hexagon width across flat B																																								
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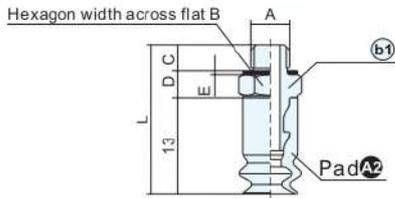
# S-ZP Compact type vacuum pad U,UT,CT(2-16) with buffer

## Dimensions

(mm)

### Compact vacuum pad

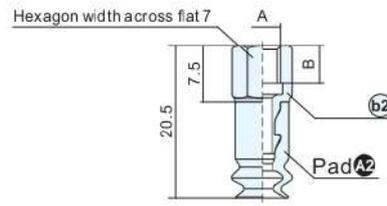
#### S-ZPT Vertical vacuum entry with buffer A4,A5,A6



model	A	B	C	D	E	L	Buffer model
S-ZPT ○ B □ -A4	M4x0.7	7	3.2	1	-	17.2	ZPT1-A4
S-ZPT ○ B □ -A5	M5x0.8		3			20	ZPT1-A5
S-ZPT ○ B □ -A6	M6x1.0	8	4		0.5	21	ZPT1-A6

○ Symbol of pad dia : 06,08  
 □ Material:NBR(N),Silicone rubber(S)

#### S-ZPT Vertical vacuum entry female thread B4,B5

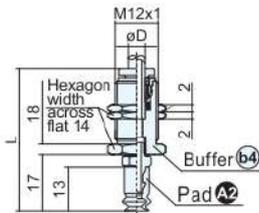


model	A	B	Buffer model
S-ZPT ○ B □ -B4	M4x0.7	4	ZPT1-B4
S-ZPT ○ B □ -B5	M5x0.8	5	ZPT1-B5

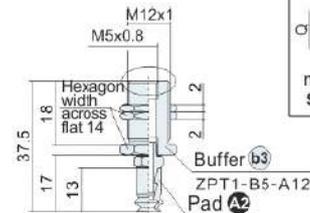
○ Symbol of pad dia : 06,08  
 □ Material:NBR(N),Silicone rubber(S)

#### S-ZPT Vertical vacuum entry connector with plate 04,06,B5

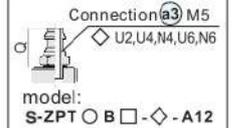
One-touching : 04,06



Female thread: B5



#### Connection



model	øD	L	Buffer model
S-ZPT ○ B □ -04-A12	4	40.5	ZPT1-04-A12
S-ZPT ○ B □ -06-A12	6	40.7	ZPT1-06-A12

○ Symbol of pad dia : 06,08 □ Material:NBR(N),Silicone rubber(S)

model	S-ZPT ○ B □ -B5-A12
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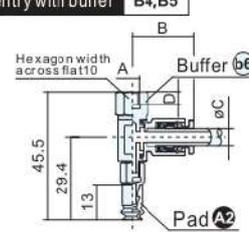
#### S-ZPR Lateral vacuum entry with buffer A5,A6



model	A	B	øC	D	E	L	Buffer model
S-ZPR ○ B □ -04-A5	M5x0.8	20.6	4	4	7	66.5	ZPR1-04-A5
S-ZPR ○ B □ -06-A5		21.6	6				ZPR1-06-A5
S-ZPR ○ B □ -04-A6	M6x1.0	20.6	4	3	8	71.5	ZPR1-04-A6
S-ZPR ○ B □ -06-A6		21.6	6				ZPR1-06-A6

○ Symbol of pad dia : □ Material:NBR(N),Silicone rubber(S)

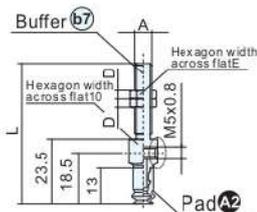
#### S-ZPR Lateral vacuum entry with buffer B4,B5



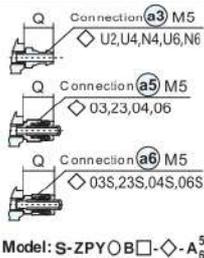
model	A	B	øC	D	Buffer model
S-ZPR ○ B □ -04-A5	M4x0.7	20.6	4	4	ZPR1-04-B4
S-ZPR ○ B □ -06-A5		21.6	6		ZPR1-06-B4
S-ZPR ○ B □ -04-A6	M5x0.8	20.6	4	5	ZPR1-04-B5
S-ZPR ○ B □ -06-A6		21.6	6		ZPR1-06-B5

○ Symbol of pad dia : □ Material:NBR(N),Silicone rubber(S)

#### S-ZPY Lateral vacuum entry with buffer A5,A6



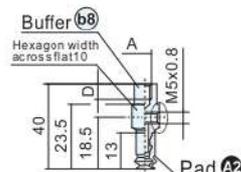
#### Connection



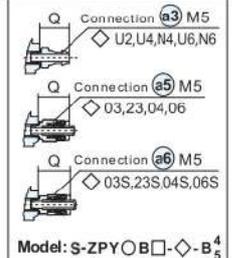
model	A	D	E	L	Buffer model
S-ZPY ○ B □ -B5-A5	M5x0.8	4	7	45	ZPY1-B5-A5
S-ZPY ○ B □ -B5-A6	M6x1.0	3	8	50.5	ZPY1-B5-A6

○ Symbol of pad dia : 06,08 □ Material:NBR(N),Silicone rubber(S)

#### S-ZPY Lateral vacuum entry with buffer B4,B5



#### Connection



model	A	B	Buffer model
S-ZPY ○ B □ -B5-B4	M4x0.7	4	ZPY1-B5-B4
S-ZPY ○ B □ -B5-B5	M5x0.8	5	ZPY1-B5-B5

○ Symbol of pad dia : 06,08 □ Material:NBR(N),Silicone rubber(S)

**Dimensions**

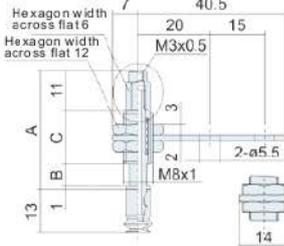
(mm)

**Compact vacuum pad**

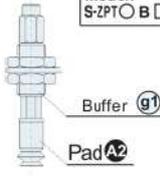
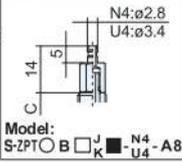
**S-ZPT Vertical vacuum entry with buffer 6,10,15,25**

Rotating: S-ZPT ○ B □ J ■ -B3-A8

Non-rotating: S-ZPT ○ B □ J ■ -B3-A8

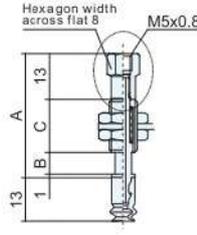


Barb fitting N4,U4

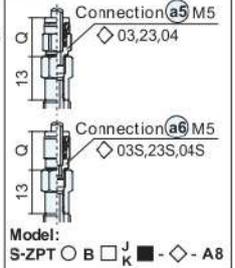


Rotating: S-ZPT ○ B □ J ■ -B5-A8

Non-rotating: S-ZPT ○ B □ K ■ -B5-A8



Connection

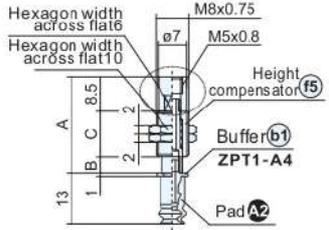


model	A	B	C	Buffer model
S-ZPT ○ B □ ● 6-B3-A8	32	6	15	ZPT1-●6-B3-A8
S-ZPT ○ B □ ● 10-B3-A8	65	10	43	ZPT1-●10-B3-A8
S-ZPT ○ B □ ● 15-B3-A8	70	15		ZPT1-●15-B3-A8
S-ZPT ○ B □ ● 25-B3-A8	80	25		ZPT1-●25-B3-A8

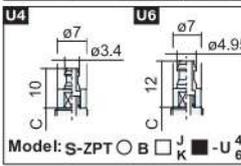
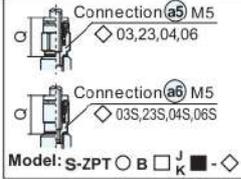
model	A	B	C	Buffer model
S-ZPT ○ B □ ● 6-B5-A8	34	6	15	ZPT1-●6-B5-A8
S-ZPT ○ B □ ● 10-B5-A8	67	10	43	ZPT1-●10-B5-A8
S-ZPT ○ B □ ● 15-B5-A8	72	15		ZPT1-●15-B5-A8
S-ZPT ○ B □ ● 25-B5-A8	82	25		ZPT1-●25-B5-A8

○ Symbol of pad dia : 06,08 □ Material:NBR(N),Silicone rubber(S) ● Buffer model:Rotating(J)Non rotating(K) ■ Buffer stroke : 6,10,15,25

**S-ZPT Vertical vacuum entry with buffer 3,6,10**

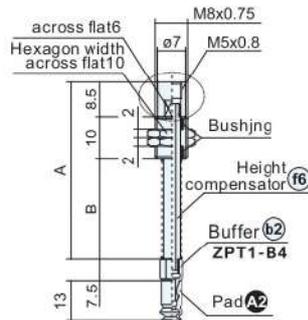


Connection

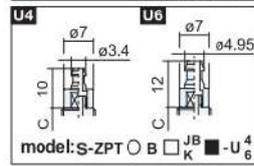
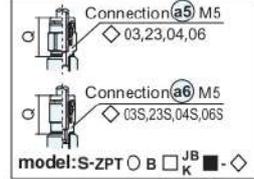


model	A	B	C	(f5)+(b1) Buffer model
S-ZPT ○ B □ ● 3-B5	23.5	4	11	ZPT1B-●3-B5
S-ZPT ○ B □ ● 6-B5	30	7	14.5	ZPT1B-●6-B5
S-ZPT ○ B □ ● 10-B5	40	11	20.5	ZPT1B-●10-B5

**S-ZPT Vertical vacuum entry with buffer 15,20**



Connection

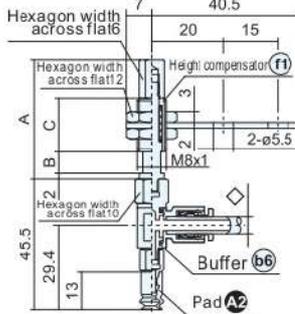


model	A	B	C	(f6)+(b2) Buffer model
S-ZPT ○ B □ ● 15-B5	43	24.5	32	ZPT1B-●15-B5
S-ZPT ○ B □ ● 20-B5	50.5	32	40	ZPT1B-●20-B5

○ Symbol of pad dia : 06,08 ■ Buffer stroke : 3,6,10 □ Material:NBR(N),Silicone rubber(S) ● Buffer model:Rotating(J)Non-rotating(K)

○ Symbol of pad dia : 06,08 ■ Buffer stroke : 15,20 □ Material:NBR(N),Silicone rubber(S) ● Buffer model:Rotating(J)Non-rotating(K)

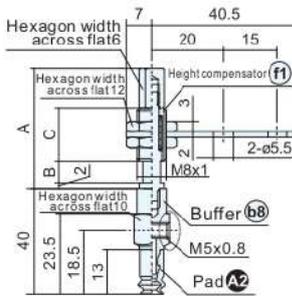
**S-ZPR Lateral vacuum entry with buffer 6,10,15,25**



model	A	B	C	(f1)+(b6) Buffer model
S-ZPR ○ B □ ● 6-◇-A8	34	6	15	ZPR1-●6-◇-A8
S-ZPR ○ B □ ● 10-◇-A8	66	10	43	ZPR1-●10-◇-A8
S-ZPR ○ B □ ● 15-◇-A8	71	15		ZPR1-●15-◇-A8
S-ZPR ○ B □ ● 25-◇-A8	81	25		ZPR1-●25-◇-A8

○ Symbol of pad dia : 06,08 ◇ Buffer stroke : 04,06 □ Material:NBR(N),Silicone rubber(S) ● Buffer model:Rotating(J)Non-rotating(K)

**S-ZPY Lateral vacuum entry with buffer 6,10,15,25**



model	A	B	C	(f1)+(b8) Buffer model
S-ZPY ○ B □ ● 6-B5-A8	34	6	15	ZPY1-●6-B5-A8
S-ZPY ○ B □ ● 10-B5-A8	66	10	43	ZPY1-●10-B5-A8
S-ZPY ○ B □ ● 15-B5-A8	71	15		ZPY1-●15-B5-A8
S-ZPY ○ B □ ● 25-B5-A8	81	25		ZPY1-●25-B5-A8

○ Symbol of pad dia : 06,08 ■ Buffer stroke : 6,10,15,25 □ Material:NBR(N),Silicone rubber(S) ● Buffer model:Rotating(J)Non-rotating(K)

# S-ZP Compact type vacuum pad with buffer

## Dimensions

(mm)

Compact vacuum pad									
<b>S-ZPT Vertical vacuum entry male thread A4,A5,A6</b>				<b>S-ZPT Vertical vacuum entry female thread B4,B5</b>					
Model	A	B	C	D	E	L	Buffer model		
S-ZPT06J □ -A4	M4x0.7	7	3.2	1	-	19.7	ZPT1-A4		
S-ZPT06J □ -A5	M5x0.8	7	3	4	0.5	22.5	ZPT1-A5		
S-ZPT06J □ -A6	M6x1.0	8	4	4	0.5	23.5	ZPT1-A6		
□ Material: NBR(N), Silicone rubber(S)									
<b>S-ZPT Vertical vacuum entry connector with plate 04,06,B5</b>				<b>S-ZPT Vertical vacuum entry female thread B4,B5</b>					
One-touching : 04,06				Female thread : B5					
Model	øD	L	Buffer model	Model	A	B	Buffer model		
S-ZPT06J □ -04-A12	4	43	ZPT1-04-A12	S-ZPT06J □ -B4	M4x0.7	4	ZPT1-B4		
S-ZPT06J □ -06-A12	6	43.2	ZPT1-06-A12	S-ZPT06J □ -B5	M5x0.8	5	ZPT1-B5		
□ Material: NBR(N), Silicone rubber(S)				□ Material: NBR(N), Silicone rubber(S)					
<b>S-ZPR Lateral vacuum entry male thread A5,A6</b>				<b>S-ZPR Lateral vacuum entry female thread B4,B5</b>					
Model	A	B	øC	D	E	L	Buffer model		
S-ZPR06J □ -04-A5	M5x0.8	20.6	4	4	7	69	ZPR1-04-A5		
S-ZPR06J □ -06-A5	M5x0.8	21.6	6	4	7	69	ZPR1-06-A5		
S-ZPR06J □ -04-A6	M6x1.0	20.6	4	3	8	74	ZPR1-04-A6		
S-ZPR06J □ -06-A6	M6x1.0	21.6	6	3	8	74	ZPR1-06-A6		
□ Material: NBR(N), Silicone rubber(S)				□ Material: NBR(N), Silicone rubber(S)					
<b>S-ZPY Lateral vacuum entry male thread A5,A6</b>				<b>S-ZPY Lateral vacuum entry female thread B4,B5</b>					
<p>Connection</p> <p>Q Connection (a3) M5 ◇ U2,U4,N4,U6,N6</p> <p>Q Connection (a5) M5 ◇ 03,23,04,06</p> <p>Q Connection (a6) M5 ◇ 03S,23S,04S,06S</p> <p>Model: S-ZPY06J □ -◇ -A<sup>5</sup></p>				<p>Connection</p> <p>Q Connection (a3) M5 ◇ U2,U4,N4,U6,N6</p> <p>Q Connection (a5) M5 ◇ 03,23,04,06</p> <p>Q Connection (a6) M5 ◇ 03S,23S,04S,06S</p> <p>Model: S-ZPY06J □ -◇ -B<sup>4</sup></p>					
Model	A	D	E	L	Buffer model	Model	A	B	Buffer model
S-ZPY06J □ -B5-A5	M5x0.8	4	7	47.5	ZPY1-B5-A5	S-ZPY06J □ -B5-B4	M4x0.7	4	ZPY1-B5-B4
S-ZPY06J □ -B5-A6	M6x1.0	3	8	53	ZPY1-B5-A6	S-ZPY06J □ -B5-B5	M5x0.8	5	ZPY1-B5-B5
□ Material: NBR(N), Silicone rubber(S)				□ Material: NBR(N), Silicone rubber(S)					

Dimensions

(mm)

### Compact vacuum pad

#### S-ZPT Vertical vacuum entry with buffer 6,10,15,25 Barb fitting

Rotating: S-ZPT06J □ J ■ -B3-A8  
Non-rotating: S-ZPT06J □ J ■ -B3-A8

Model: S-ZPT06J □ J ■ -N4-U4-A8

#### S-ZPT06J □ J ■ -B5-A8

Rotating: S-ZPT06J □ J ■ -B5-A8  
Non-rotating: S-ZPT06J □ K ■ -B5-A8

Model: S-ZPT06J □ J ■ -◇-A8

Model	A	B	C	Buffer model
S-ZPT06J □ ● 6-B3-A8	32	6	15	ZPT1-●6-B3-A8
S-ZPT06J □ ● 10-B3-A8	65	10	43	ZPT1-●10-B3-A8
S-ZPT06J □ ● 15-B3-A8	70	15		ZPT1-●15-B3-A8
S-ZPT06J □ ● 25-B3-A8	80	25		ZPT1-●25-B3-A8

Model	A	B	C	Buffer model
S-ZPT06J □ ● 6-B5-A8	34	6	15	ZPT1-●6-B5-A8
S-ZPT06J □ ● 10-B5-A8	67	10	43	ZPT1-●10-B5-A8
S-ZPT06J □ ● 15-B5-A8	72	15		ZPT1-●15-B5-A8
S-ZPT06J □ ● 25-B5-A8	82	25		ZPT1-●25-B5-A8

□ Material: NBR(N), Silicone rubber(S)    Buffer model: Rotating(J) Non rotating(K)  
■ Buffer stroke: 6,10,15,25

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#### S-ZPT Vertical vacuum entry with buffer 3,6,10 Connection

Model: S-ZPT □ B □ J K ■ -◇

#### S-ZPT Lateral vacuum entry with buffer 15,20 Connection

Model: S-ZPT06J □ J B K ■ -◇

Model	A	B	C	(f5)+(b1) Buffer model
S-ZPT06J □ ● 3-B5	23.5	4	11	ZPT1B-●3-B5
S-ZPT06J □ ● 6-B5	30	7	14.5	ZPT1B-●6-B5
S-ZPT06J □ ● 10-B5	40	11	20.5	ZPT1B-●10-B5

Model	A	B	C	(f6)+(b2) Buffer model
S-ZPT06J □ ● 15-B5	43	24.5	32	ZPT1B-●15-B5
S-ZPT06J □ ● 20-B5	50.5	32	40	ZPT1B-●20-B5

□ Material: NBR(N), Silicone rubber(S)    Buffer model: Rotating(J) Non rotating(K)  
■ Buffer stroke: 3,6,10    ■ Buffer stroke: 15,20

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#### S-ZPR Lateral vacuum entry male thread 6,10,15,25

Model: S-ZPR06J □ ● 6-◇-A8

#### S-ZPY Lateral vacuum entry female thread 6,10,15,25 Connection

Model: S-ZPY06J □ J K ■ -◇-A8

Model	A	B	C	(f1)+(b6) Buffer model
S-ZPR06J □ ● 6-◇-A8	34	6	15	ZPR1-●6-◇-A8
S-ZPR06J □ ● 10-◇-A8	66	10	43	ZPR1-●10-◇-A8
S-ZPR06J □ ● 15-◇-A8	71	15		ZPR1-●15-◇-A8
S-ZPR06J □ ● 25-◇-A8	81	25		ZPR1-●25-◇-A8

Model	A	B	C	(f1)+(b8) Buffer model
S-ZPY06J □ ● 6-B5-A8	34	6	15	ZPY1-●6-B5-A8
S-ZPY06J □ ● 10-B5-A8	66	10	43	ZPY1-●10-B5-A8
S-ZPY06J □ ● 15-B5-A8	71	15		ZPY1-●15-B5-A8
S-ZPY06J □ ● 25-B5-A8	81	25		ZPY1-●25-B5-A8

□ Material: NBR(N), Silicone rubber(S)    Buffer model: Rotating(J) Non rotating(K)  
■ Buffer stroke: 04,06    ■ Buffer stroke: 6,10,15,25