



Box style
(Built-in silencer)

Body ported style
(Without silencer)



Note Refer to table ①&② below for combination of connection and port size.

ZH	07	B	S	06	06	
ZH	07	D	S	01	01	01

Nozzle diameter	
05	0.5mmø
07	0.7mmø
10	1.0mmø
13	1.3mmø
15	1.5mmø
18	1.8mmø
20	2.0mmø

Max. vacuum pressure	
S	-88kPa{-660mmHg}
L	-48kPa{-360mmHg}

EXH port size Note)		
Symbol	Size	Style
06	ø6	One-touch
08	ø8	One-touch
10	ø10	One-touch
12	ø12	One-touch
16	ø16	One-touch
01	Rc 1/8	Screw-in
02	Rc 1/4	Screw-in
03	Rc 3/8	Screw-in
04	Rc 1/2	Screw-in

SUP port size Note)		
Symbol	Size	Style
06	ø6	One-touch
08	ø8	One-touch
10	ø10	One-touch
12	ø12	One-touch
01	Rc 1/8	Screw-in
02	Rc 1/4	Screw-in
03	Rc 3/8	Screw-in

VAC port size Note)		
Symbol	Size	Style
06	ø6	One-touch
10	ø10	One-touch
12	ø12	One-touch
16	ø16	One-touch
01	Rc 1/8	Screw-in
02	Rc 1/4	Screw-in
03	Rc 3/8	Screw-in
04	Rc 1/2	Screw-in

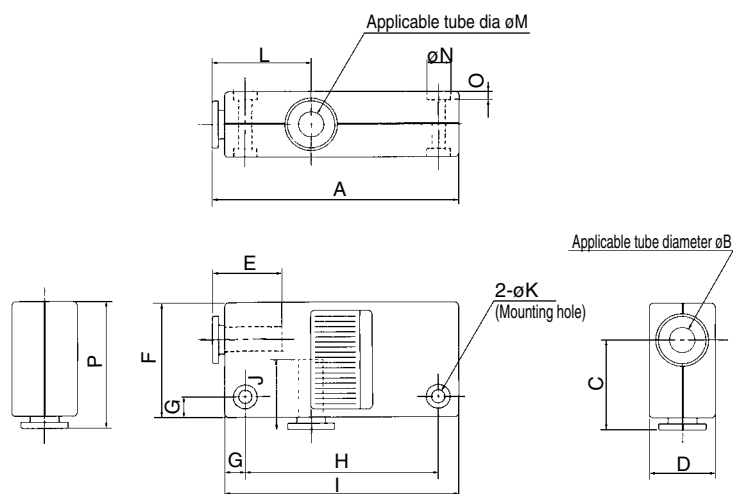
Table① Combination of connection				
Body		SUP	VAC	EXH
Box style (Built-in silencer)	①	One-touch	One-touch	—
	②	One-touch	Screw-in	—
	③	Screw-in	Screw-in	—
Body ported style (Without silencer)	①	One-touch	One-touch	One-touch
	②	One-touch	Screw-in	One-touch
	③	Screw-in	Screw-in	Screw-in

Table② Port size			
Model	Connection (One-touch/Screw-in)		
	SUP	VAC	EXH
ZH05B			
ZH07B	ø6/Rc 1/8	ø6/Rc 1/8	—
ZH10B			
ZH13B	ø8/Rc 1/8	ø10/Rc 1/4	
ZH05D	ø6/Rc 1/8	ø6/Rc 1/8	ø6/Rc 1/8
ZH07D			
ZH10D	ø6/Rc 1/8	ø6/Rc 1/8	ø8/Rc 1/8
ZH13D	ø8/Rc 1/8	ø10/Rc 1/4	ø10/Rc 1/4
ZH15D	ø10/Rc 1/4	ø12/Rc 3/8	ø12/Rc 3/8
ZH18D	ø12/Rc 3/8		
ZH20D	ø12/Rc 3/8	ø16/Rc 1/2	ø16/Rc 1/2

Series ZH

Box Style (Built-in silencer)/ZH□B_L^S-□-□

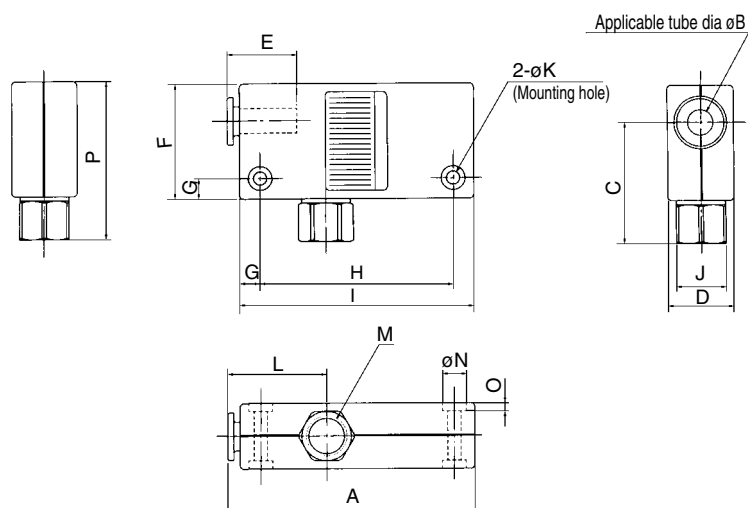
One-touch connection



Model	A	ϕB	C	D	E	F	G	H
ZH05BS-06-06	60	6	22	16	17	28	5	47
ZH05BL-06-06	60	6	22	16	17	28	5	47
ZH07BS-06-06	60	6	22	16	17	28	5	47
ZH07BL-06-06	60	6	22	16	17	28	5	47
ZH10BS-06-06	63	6	23	18	17	29	5	50
ZH10BL-06-06	63	6	23	18	17	29	5	50
ZH13BS-08-10	78	8	27.5	23	18.5	35	7	61
ZH13BL-08-10	78	8	27.5	23	18.5	35	7	61

Model	I	J	ϕK	L	ϕM	ϕN	O	P
ZH05BS-06-06	57	17	3.2	24	6	5.8	2	31
ZH05BL-06-06	57	17	3.2	24	6	5.8	2	31
ZH07BS-06-06	57	17	3.2	24	6	5.8	2	31
ZH07BL-06-06	57	17	3.2	24	6	5.8	2	31
ZH10BS-06-06	60	17	3.2	26	6	5.8	2	32
ZH10BL-06-06	60	17	3.2	26	6	5.8	2	32
ZH13BS-08-10	75	21	4.2	28	10	7.5	3	38.5
ZH13BL-08-10	75	21	4.2	28	10	7.5	3	38.5

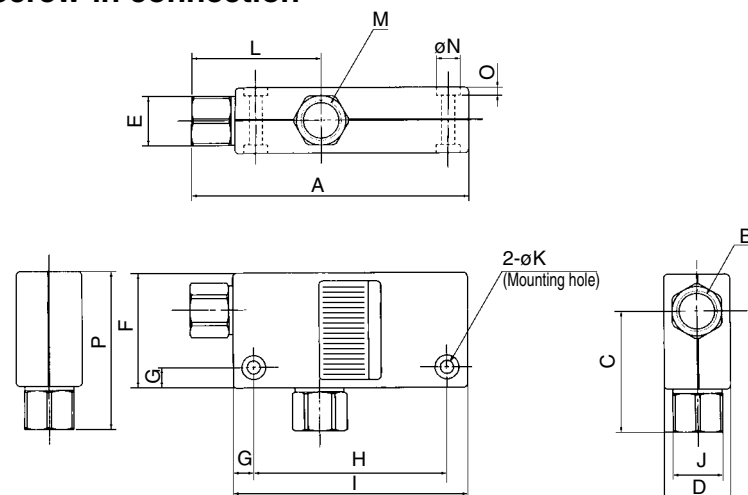
One-touch and Screw-in connection



Model	A	ϕB	C	D	E	F	G	H
ZH05BS-06-01	60	6	29.5	16	17	28	5	47
ZH05BL-06-01	60	6	29.5	16	17	28	5	47
ZH07BS-06-01	60	6	29.5	16	17	28	5	47
ZH07BL-06-01	60	6	29.5	16	17	28	5	47
ZH10BS-06-01	63	6	30.5	18	17	29	5	50
ZH10BL-06-01	63	6	30.5	18	17	29	5	50
ZH13BS-08-02	78	8	39	23	18.5	35	7	61
ZH13BL-08-02	78	8	39	23	18.5	35	7	61

Model	I	J	ϕK	L	M	ϕN	O	P
ZH05BS-06-01	57	12	3.2	24	Rc $\frac{1}{8}$	5.8	2	31
ZH05BL-06-01	57	12	3.2	24	Rc $\frac{1}{8}$	5.8	2	31
ZH07BS-06-01	57	12	3.2	24	Rc $\frac{1}{8}$	5.8	2	31
ZH07BL-06-01	57	12	3.2	24	Rc $\frac{1}{8}$	5.8	2	31
ZH10BS-06-01	60	12	3.2	26	Rc $\frac{1}{8}$	5.8	2	32
ZH10BL-06-01	60	12	3.2	26	Rc $\frac{1}{8}$	5.8	2	32
ZH13BS-08-02	75	17	4.2	28	Rc $\frac{1}{4}$	7.5	3	38.5
ZH13BL-08-02	75	17	4.2	28	Rc $\frac{1}{4}$	7.5	3	38.5

Screw-in connection



Model	A	B	C	D	E	F	G	H
ZH05BS-01-01	67.5	Rc $\frac{1}{8}$	29.5	16	12	28	5	47
ZH05BL-01-01	67.5	Rc $\frac{1}{8}$	29.5	16	12	28	5	47
ZH07BS-01-01	67.5	Rc $\frac{1}{8}$	29.5	16	12	28	5	47
ZH07BL-01-01	67.5	Rc $\frac{1}{8}$	29.5	16	12	28	5	47
ZH10BS-01-01	70.5	Rc $\frac{1}{8}$	30.5	18	12	29	5	50
ZH10BL-01-01	70.5	Rc $\frac{1}{8}$	30.5	18	12	29	5	50
ZH13BS-01-02	86.5	Rc $\frac{1}{8}$	39	18	14	35	7	61
ZH13BL-01-02	86.5	Rc $\frac{1}{8}$	39	18	14	35	7	61

Model	I	J	ϕK	L	M	ϕN	O	P
ZH05BS-01-01	57	12	3.2	31.5	Rc $\frac{1}{8}$	5.8	2	38.5
ZH05BL-01-01	57	12	3.2	31.5	Rc $\frac{1}{8}$	5.8	2	38.5
ZH07BS-01-01	57	12	3.2	31.5	Rc $\frac{1}{8}$	5.8	2	38.5
ZH07BL-01-01	57	12	3.2	31.5	Rc $\frac{1}{8}$	5.8	2	38.5
ZH10BS-01-01	60	12	3.2	33.5	Rc $\frac{1}{8}$	5.8	2	39.5
ZH10BL-01-01	60	12	3.2	33.5	Rc $\frac{1}{8}$	5.8	2	39.5
ZH13BS-01-02	75	17	4.2	36.5	Rc $\frac{1}{4}$	7.5	3	50
ZH13BL-01-02	75	17	4.2	36.5	Rc $\frac{1}{4}$	7.5	3	50