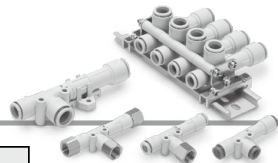


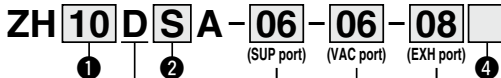
# Body Ported Type Vacuum Ejector ZH Series

RoHS



## How to Order

Body ported



• Body ported type

Note Refer to "Table 1" for the combination available for SUP, VAC, and EXH port connection.

### 1 Nozzle size

Nozzle size	Nozzle size
05	ø0.5
07	ø0.7
10	ø1.0
13	ø1.3
15	ø1.5
18	ø1.8
20	ø2.0

### 2 Vacuum pressure reached

Vacuum pressure reached	Note
S -90 kPa	ZH05 to 20
-48 kPa	ZH05 to 13
L -66 kPa	ZH15 to 20

### 3 Port (SUP/VAC/EXH) size

#### One-touch fittings

Metric size	Inch size	Metric size	Inch size
06	ø6	07	ø1/4"
08	ø8	09	ø5/16"
10	ø10	11	ø3/8"
12	ø12	13	ø1/2"

#### Female threads

Metric size	Inch size	N01	NPT1/8
01	Rc1/8	N01	NPT1/8
02	Rc1/4	N02	NPT1/4
03	Rc3/8	N03	NPT3/8
04	Rc1/2	N04	NPT1/2
F01	G1/8		
F02	G1/4		
F03	G3/8		
F04	G1/2		

### 4 Accessories (Standard bracket/Silencer)<sup>\*4</sup>

Symbol	Standard bracket	Silencer
Nil	●	×
N	×	×
S <sup>*3</sup>	●	●
NS <sup>*3</sup>	×	●

<sup>\*3</sup> Options S and NS are not available for EXH port with a screw-in connection.

<sup>\*4</sup> Each accessory is not assembled with the product but shipped together.

#### Standard bracket

Applicable model			
Model	ZH2-BK1A-1-A	ZH2-BK1A-2-A	ZH2-BK1A-3-A

#### Silencer



- Silencer can only be selected for EXH port with One-touch fitting.
- The silencer part number depends on the size of the EXH port.

EXH port	Silencer part no.
06	AN10-C06
07	AN10-C07
08	AN15-C08
09	AN15-C08
10	AN20-C10
11	AN20-C11
12	AN30-C12

\* No silencer available for ZH18/20D□A in inch size for EXH port size '13'

In that case, select the screw-in connection, and order silencer AN30-N03 and AN40-N04 separately

For details about silencers, refer to the AN series in the [Web Catalog](#).

Table 1 **Body ported** SUP/VAC/EXH port size

Metric Size	Model	SUP	VAC	EXH	SUP	VAC	EXH
ZH05D□A-	06 - 06 - 06	ø6	ø6	ø6	ø6	ø6	ø6
	06 - 01 - 06	ø6	Rc1/8	ø6	ø6	Rc1/8	ø6
	06 - F01 - 06	ø6	F01	ø6	ø6	F01	ø6
	01 - 01 - 01	Rc1/8	Rc1/8	Rc1/8	Rc1/8	Rc1/8	Rc1/8
	F01 - F01 - F01	G1/8	G1/8	G1/8	G1/8	G1/8	G1/8
ZH07D□A-	06 - 06 - 06	ø6	ø6	ø6	ø6	ø6	ø6
	06 - 01 - 06	ø6	Rc1/8	ø6	ø6	Rc1/8	ø6
	06 - F01 - 06	ø6	F01	ø6	ø6	F01	ø6
	01 - 01 - 01	Rc1/8	Rc1/8	Rc1/8	Rc1/8	Rc1/8	Rc1/8
	F01 - F01 - F01	G1/8	G1/8	G1/8	G1/8	G1/8	G1/8
ZH10D□A-	06 - 06 - 08	ø6	ø6	ø8	ø6	ø6	ø8
	06 - 01 - 08	ø6	Rc1/8	ø8	ø6	Rc1/8	ø8
	06 - F01 - 08	ø6	F01	ø8	ø6	F01	ø8
	01 - 01 - 01	Rc1/8	Rc1/8	Rc1/8	Rc1/8	Rc1/8	Rc1/8
	F01 - F01 - F01	G1/8	G1/8	G1/8	G1/8	G1/8	G1/8
ZH13D□A-	08 - 10 - 10	ø8	ø10	ø10	ø8	ø10	ø10
	08 - 02 - 10	ø8	Rc1/4	ø10	ø8	Rc1/4	ø10
	08 - F02 - 10	ø8	F02	ø10	ø8	F02	ø10
	01 - 02 - 02	Rc1/8	Rc1/4	Rc1/4	Rc1/8	Rc1/4	Rc1/4
	F01 - F02 - F02	G1/8	G1/4	G1/4	G1/8	G1/4	G1/4
ZH15D□A-	08 - 10 - 10	ø8	ø10	ø10	ø8	ø10	ø10
	08 - 03 - 10	ø8	Rc3/8	ø10	ø8	Rc3/8	ø10
	08 - F03 - 10	ø8	F03	ø10	ø8	F03	ø10
	02 - 03 - 03	Rc1/4	Rc3/8	Rc3/8	Rc1/4	Rc3/8	Rc3/8
	F02 - F03 - F03	G1/4	G3/8	G3/8	G1/4	G3/8	G3/8
ZH18D□A-	10 - 12 - 12	ø10	ø12	ø12	ø10	ø12	ø12
	10 - 03 - 12	ø10	Rc3/8	ø12	ø10	Rc3/8	ø12
	10 - F03 - 12	ø10	F03	ø12	ø10	F03	ø12
	03 - 03 - 03	Rc3/8	Rc3/8	Rc3/8	Rc3/8	Rc3/8	Rc3/8
	F03 - F03 - F03	G3/8	G3/8	G3/8	G3/8	G3/8	G3/8
ZH20D□A-	10 - 12 - 12	ø10	ø12	ø12	ø10	ø12	ø12
	10 - 04 - 12	ø10	Rc1/2	ø12	ø10	Rc1/2	ø12
	10 - F04 - 12	ø10	F04	ø12	ø10	F04	ø12
	03 - 04 - 04	Rc3/8	Rc1/2	Rc1/2	Rc3/8	Rc1/2	Rc1/2
	F03 - F04 - F04	G3/8	G1/2	G1/2	G3/8	G1/2	G1/2

\*1 Screw-in: Rc and G female threads

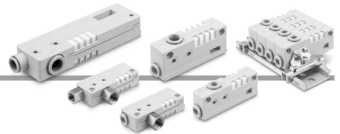
#### Inch Size

Model	SUP	VAC	EXH	SUP	VAC	EXH
ZH05D□A-	07 - 07 - 07	ø1/4"	ø1/4"	ø1/4"	ø1/4"	ø1/4"
	07 - N01 - 07	ø1/4"	NPT1/8	ø1/4"	NPT1/8	ø1/4"
ZH07D□A-	N01 - N01 - N01	NPT1/8	NPT1/8	NPT1/8	NPT1/8	NPT1/8
	07 - 07 - 07	ø1/4"	ø1/4"	ø1/4"	ø1/4"	ø1/4"
ZH10D□A-	07 - N01 - 09	ø1/4"	NPT1/8	ø1/4"	NPT1/8	ø5/16"
	N01 - N01 - N01	NPT1/8	NPT1/8	NPT1/8	NPT1/8	NPT1/8
ZH13D□A-	09 - 11 - 11	ø5/16"	ø3/8"	ø5/16"	ø3/8"	ø3/8"
	09 - N02 - 11	ø5/16"	NPT1/4	ø5/16"	NPT1/4	ø3/8"
ZH15D□A-	N01 - N02 - N02	NPT1/8	NPT1/4	NPT1/8	NPT1/4	NPT1/4
	09 - 11 - 11	ø5/16"	ø3/8"	ø5/16"	ø3/8"	ø3/8"
ZH18D□A-	11 - 13 - 13	ø3/8"	ø1/2"	ø3/8"	ø1/2"	ø3/8"
	11 - N03 - 13	ø3/8"	NPT3/8	ø3/8"	NPT3/8	ø1/2"
ZH20D□A-	N03 - N03 - N03	NPT3/8	NPT3/8	NPT3/8	NPT3/8	NPT3/8
	11 - 13 - 13	ø3/8"	ø1/2"	ø3/8"	ø1/2"	ø3/8"
ZH20D□A-	11 - N04 - 13	ø3/8"	NPT1/2	ø3/8"	NPT1/2	ø1/2"
	N03 - N04 - N04	NPT3/8	NPT1/2	NPT3/8	NPT1/2	NPT1/2

\*2 Screw-in: NPT female threads

# Box Type (Built-in Silencer) Vacuum Ejector ZH Series

RoHS



## How to Order

Box type

ZH **10** B **S** A - **06** - **06**  
 ① (SUP port) ② (VAC port)

Box type (Built-in silencer)

Box type

③ Note

Refer to "Table 2" for the combination available for SUP and VAC port connection.

### ① Nozzle size

Nozzle size	Model
05	ø0.5
07	ø0.7
10	ø1.0
13	ø1.3
15	ø1.5
18	ø1.8
20	ø2.0

### ② Vacuum pressure reached

Pressure	Model
-89 kPa	ZH05 to 13
-90 kPa	ZH15 to 20
-48 kPa	ZH05 to 13
-66 kPa	ZH15 to 18
-62 kPa	ZH20

### ③ Port (SUP/VAC) size

#### One-touch fittings

Metric size	Inch size
06	ø6
08	ø8
10	ø10
12	ø12
07	ø1/4"
09	ø5/16"
11	ø3/8"
13	ø1/2"

#### Female threads

Metric size	Inch size
01	Rc1/8
02	Rc1/4
03	Rc3/8
04	Rc1/2
F01	G1/8
F02	G1/4
F03	G3/8
F04	G1/2
N01	NPT1/8
N02	NPT1/4
N03	NPT3/8
N04	NPT1/2

Table 2 Box type (Built-in silencer) SUP/VAC port size

Metric size		SUP		VAC	
Model		SUP	VAC	SUP	VAC
ZH05B□A-	06	-	06	ø6	ø6
	06	-	01	ø6	Rc1/8
	06	-	F01	ø6	G1/8
	01	-	01	Rc1/8	Rc1/8
ZH07B□A-	06	-	01	G1/8	G1/8
	06	-	06	ø6	ø6
	06	-	01	ø6	Rc1/8
	06	-	F01	ø6	G1/8
ZH10B□A-	01	-	01	Rc1/8	Rc1/8
	06	-	01	ø6	ø6
	06	-	06	ø6	Rc1/8
	06	-	F01	ø6	G1/8
ZH13B□A-	08	-	01	G1/8	G1/8
	08	-	06	ø8	ø8
	08	-	02	ø8	Rc1/4
	08	-	F02	ø8	G1/4
ZH15B□A-	01	-	01	Rc1/8	Rc1/8
	01	-	02	Rc1/8	Rc1/4
	01	-	02	Rc1/8	Rc1/4
	F01	-	F02	G1/8	G1/4
ZH18B□A-	08	-	10	ø8	ø10
	08	-	08	ø8	ø8
	08	-	03	ø8	Rc3/8
	08	-	F03	ø8	G3/8
ZH20B□A-	02	-	03	Rc1/4	Rc3/8
	02	-	03	Rc1/4	Rc3/8
	F02	-	F03	G1/4	G3/8
	10	-	12	ø10	ø12
ZH18B□A-	10	-	03	ø10	Rc3/8
	10	-	F03	ø10	G3/8
	03	-	03	Rc3/8	Rc3/8
	03	-	F03	G3/8	G3/8
ZH20B□A-	10	-	12	ø10	ø12
	10	-	04	ø10	Rc1/2
	10	-	F04	ø10	G1/2
	03	-	04	Rc3/8	Rc1/2
		F03	F04	G3/8	G1/2

### Inch size

Inch size		SUP		VAC	
Model		SUP	VAC	SUP	VAC
ZH05B□A-	07	-	07	ø1/4"	ø1/4"
	07	-	N01	ø1/4"	NPT1/8
	N01	-	N01	NPT1/8	NPT1/8
ZH07B□A-	07	-	07	ø1/4"	ø1/4"
	07	-	N01	ø1/4"	NPT1/8
	N01	-	N01	NPT1/8	NPT1/8
ZH10B□A-	07	-	07	ø1/4"	ø1/4"
	07	-	N01	ø1/4"	NPT1/8
	N01	-	N01	NPT1/8	NPT1/8
ZH13B□A-	09	-	11	ø5/16"	ø3/8"
	09	-	N02	ø5/16"	NPT1/4
	N01	-	N02	NPT1/8	NPT1/4
ZH15B□A-	09	-	11	ø5/16"	ø3/8"
	09	-	N03	ø5/16"	NPT3/8
	N02	-	N03	NPT1/4	NPT3/8
ZH18B□A-	11	-	13	ø3/8"	ø1/2"
	11	-	N03	ø3/8"	NPT3/8
	N03	-	N03	NPT3/8	NPT3/8
ZH20B□A-	11	-	13	ø3/8"	ø1/2"
	11	-	N04	ø3/8"	NPT1/2
	N03	-	N04	NPT3/8	NPT1/2

\*6 Screw-in: NPT female threads