

Body Ported Type Vacuum Ejector ZH Series

RoHS

How to Order

Body ported

ZH **10** **D** **S** **A** - **06** - **06** - **08**

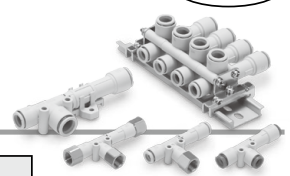
1
2
3
4

(SUP port) (VAC port) (EXH port)

• Body ported type

Note

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



Body ported

1 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
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
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)*4

Symbol	Standard bracket	Silencer
Nii	●	×
N	×	×
S*3	●	●
NS*3	×	●

*3 Options S and NS are not available for EXH port with a screw-in connection.

*4 Each accessory is not assembled with the product but shipped together.

Standard bracket

Applicable model			
	ZH05 to 10D□A	ZH13/15D□A	ZH18/20D□A
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	—	06
	06	—	01	—	06	—	06
	06	—	F01	—	06	—	06
	01	—	01	—	Rc1/8	—	Rc1/8
	F01	—	F01	—	G1/8	—	G1/8
	06	—	06	—	06	—	06
ZH07D□A-	06	—	01	—	06	—	06
	06	—	F01	—	06	—	06
	01	—	01	—	Rc1/8	—	Rc1/8
	F01	—	F01	—	G1/8	—	G1/8
	06	—	06	—	06	—	06
	06	—	01	—	06	—	06
ZH10D□A-	06	—	F01	—	06	—	06
	01	—	01	—	Rc1/8	—	Rc1/8
	F01	—	F01	—	G1/8	—	G1/8
	08	—	10	—	08	—	08
	08	—	02	—	08	—	08
	08	—	F02	—	08	—	08
ZH13D□A-	01	—	02	—	Rc1/8	—	Rc1/4
	F01	—	F02	—	G1/8	—	G1/4
	08	—	10	—	08	—	08
	08	—	03	—	08	—	08
	08	—	F03	—	08	—	08
	02	—	03	—	Rc1/4	—	Rc3/8
ZH15D□A-	F02	—	F03	—	G1/4	—	G3/8
	10	—	12	—	010	—	012
	10	—	03	—	010	—	012
	10	—	F03	—	010	—	012
	03	—	03	—	Rc3/8	—	Rc3/8
	F03	—	F03	—	G3/8	—	G3/8
ZH18D□A-	10	—	12	—	010	—	012
	10	—	04	—	010	—	012
	10	—	F04	—	010	—	012
	03	—	04	—	Rc3/8	—	Rc1/2
	F03	—	F04	—	G3/8	—	G1/2
	03	—	F04	—	G3/8	—	G1/2
ZH20D□A-	07	—	07	—	ø1/4"	—	ø1/4"
	07	—	N01	—	ø1/4"	—	ø1/4"
	N01	—	N01	—	NPT1/8	—	NPT1/8
	07	—	07	—	ø1/4"	—	ø1/4"
	07	—	N01	—	ø1/4"	—	ø1/4"
	N01	—	N01	—	NPT1/8	—	NPT1/8
ZH10D□A-	07	—	07	—	ø1/4"	—	ø1/4"
	07	—	N01	—	ø1/4"	—	ø1/4"
	N01	—	N01	—	NPT1/8	—	NPT1/8
	09	—	11	—	ø5/16"	—	ø3/8"
	09	—	N02	—	ø5/16"	—	ø3/8"
	N01	—	N02	—	NPT1/8	—	NPT1/4
ZH13D□A-	09	—	11	—	ø5/16"	—	ø3/8"
	09	—	N03	—	ø5/16"	—	ø3/8"
	N02	—	N03	—	NPT1/4	—	NPT3/8
	11	—	13	—	ø3/8"	—	ø1/2"
	11	—	N03	—	ø3/8"	—	ø1/2"
	N03	—	N03	—	NPT3/8	—	NPT3/8
ZH18D□A-	11	—	13	—	ø3/8"	—	ø1/2"
	11	—	N04	—	ø3/8"	—	ø1/2"
	N03	—	N04	—	NPT3/8	—	NPT1/2
	11	—	13	—	ø3/8"	—	ø1/2"
	11	—	N04	—	ø3/8"	—	ø1/2"
	N03	—	N04	—	NPT3/8	—	NPT1/2

*1 Screw-in: Rc and G female threads

Inch Size

Model	SUP	VAC	EXH	SUP	VAC	EXH
ZH05D□A-	07	—	07	ø1/4"	ø1/4"	ø1/4"
	07	—	N01	ø1/4"	NPT1/8	ø1/4"
	N01	—	N01	NPT1/8	NPT1/8	NPT1/8
	07	—	07	ø1/4"	ø1/4"	ø1/4"
	07	—	N01	ø1/4"	NPT1/8	ø1/4"
	N01	—	N01	NPT1/8	NPT1/8	NPT1/8
ZH07D□A-	07	—	07	ø1/4"	ø1/4"	ø5/16"
	07	—	N01	ø1/4"	NPT1/8	ø5/16"
	N01	—	N01	NPT1/8	NPT1/8	NPT1/8
	09	—	11	ø5/16"	ø3/8"	ø3/8"
	09	—	N02	ø5/16"	NPT1/4	ø3/8"
	N01	—	N02	NPT1/8	NPT1/4	NPT1/4
ZH10D□A-	09	—	11	ø5/16"	ø3/8"	ø3/8"
	09	—	N03	ø5/16"	NPT3/8	ø3/8"
	N02	—	N03	NPT1/4	NPT3/8	NPT3/8
	11	—	13	ø3/8"	ø1/2"	ø1/2"
	11	—	N03	ø3/8"	NPT3/8	ø1/2"
	N03	—	N03	NPT3/8	NPT3/8	NPT3/8
ZH13D□A-	11	—	13	ø3/8"	ø1/2"	ø1/2"
	11	—	N04	ø3/8"	NPT1/2	ø1/2"
	N03	—	N04	NPT3/8	NPT1/2	NPT1/2
	11	—	13	ø3/8"	ø1/2"	ø1/2"
	11	—	N04	ø3/8"	NPT1/2	ø1/2"
	N03	—	N04	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 Nozzle size
② Vacuum pressure reached
③ Port (SUP/VAC) size

(SUP port) (VAC port)



Box type (Built-in silencer)

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

① 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

S	-89 kPa	ZH05 to 13
	-90 kPa	ZH15 to 20
L	-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	SUP	VAC
Model				
ZH05B□A-	06 - 06	ø6	ø6	ø6
	06 - 01	ø6	Rc1/8	G1/8
	06 - F01	ø6	G1/8	G1/8
	01 - 01	Rc1/8	Rc1/8	G1/8
ZH07B□A-	F01 - F01	G1/8	G1/8	G1/8
	06 - 06	ø6	ø6	ø6
	06 - 01	ø6	Rc1/8	G1/8
	06 - F01	ø6	G1/8	G1/8
ZH10B□A-	01 - 01	Rc1/8	Rc1/8	G1/8
	F01 - F01	G1/8	G1/8	G1/8
	06 - 06	ø6	ø6	ø6
	06 - 01	ø6	Rc1/8	G1/8
ZH13B□A-	06 - F01	ø6	G1/8	G1/8
	01 - 01	Rc1/8	Rc1/8	G1/8
	F01 - F01	G1/8	G1/8	G1/8
	08 - 10	ø8	ø10	ø10
ZH15B□A-	08 - 02	ø8	Rc1/4	G1/4
	08 - F02	ø8	G1/4	G1/4
	01 - 02	Rc1/8	Rc1/4	G1/4
	F01 - F02	G1/8	G1/4	G1/4
ZH18B□A-	08 - 10	ø8	ø10	ø10
	08 - 03	ø8	Rc3/8	G3/8
	08 - F03	ø8	G3/8	G3/8
	02 - 03	Rc1/4	Rc3/8	G3/8
ZH20B□A-	F02 - F03	G1/4	G3/8	G3/8
	10 - 12	ø10	ø12	ø12
	10 - 03	ø10	Rc3/8	G3/8
	10 - F03	ø10	G3/8	G3/8
ZH20B□A-	03 - 03	Rc3/8	Rc3/8	G3/8
	F03 - F03	G3/8	G3/8	G3/8
	10 - 12	ø10	ø12	ø12
	10 - 04	ø10	Rc1/2	G1/2
ZH20B□A-	10 - F04	ø10	G1/2	G1/2
	03 - 04	Rc3/8	Rc1/2	G1/2
	F03 - F04	G3/8	G1/2	G1/2

*5 Screw-in: Rc and G female threads

Inch size

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

*6 Screw-in: NPT female threads