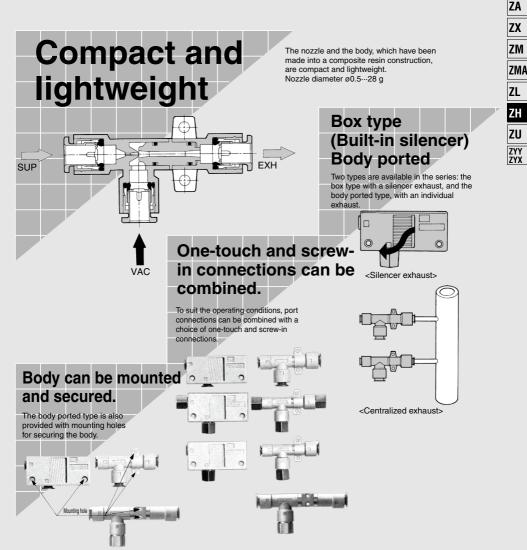
Vacuum Ejector

Series ZH

Box Type (Built-in Silencer)/Body Ported Type

Nozzle diameter: Ø0.5, Ø0.7, Ø1.0, Ø1.3, Ø1.5, Ø1.8, Ø2.0 Type S: Standard type L: Large flow type



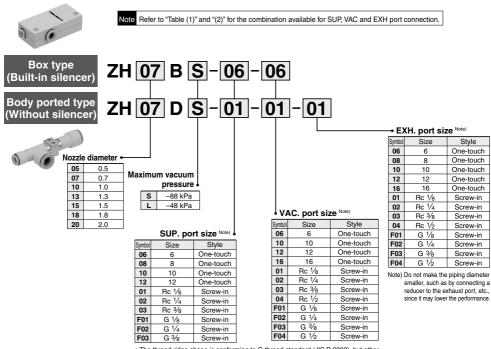
ZK2

ZQ

ZR

Vacuum Ejector Box Type (Built-in Silencer)/Body Ported Type Series ZH

How to Order



* The thread ridge shape is conforming to G thread standard (JIS B 0202), but other shapes are not conforming to ISO16030 and ISO1179.

Table (1) Combination of Connection

Body type		SUP	VAC	EXH	
Box type (Built-in silencer)	1	One-touch	One-touch	-	
	2	One-touch	Screw-in	-	
	3	Screw-in	Screw-in	-	
Body ported type (Without silencer)	1	One-touch	One-touch	One-touch	
			Screw-in	One-touch	
	3	Screw-in	Screw-in	Screw-in	

Table (2) Port Size

Model	Connection (One-touch/Screw-in)							
wouer	SUP	VAC	EXH					
ZH05B	ø6, Rc 1/8	ø6, Rc 1/8						
ZH07B	G 1/8	G 1/8						
ZH10B	G 98	G 98	-					
ZH13B	ø8, Rc 1⁄8	ø10, Rc 1⁄4						
20130	G 1/8	G 1⁄4						
ZH05D	ø6, Rc 1/8	ø6, Rc 1/8	ø6, Rc 1⁄8					
ZH07D	G 1/8	G 1/8	G 1/8					
ZH10D	ø6, Rc 1/8	ø6, Rc 1⁄8	ø8, Rc 1⁄8					
	G 1/8	G 1⁄8	G 1/8					
ZH13D	ø8, Rc 1⁄8	ø10, Rc 1⁄4	ø10, Rc 1⁄4					
211130	G 1/8	G 1⁄4	G 1⁄4					
ZH15D	ø10, Rc 1/4							
20150	G 1⁄4	ø12, Rc 3⁄8	ø12, Rc 3⁄8					
ZH18D	ø12, Rc 3/8	G 3/8	G 3/8					
21180	G 3/8							
ZH20D	ø12, Rc 3/8	ø16, Rc 1/2	ø16, Rc 1/2					
ZH20D	G 3/8	G 1⁄2	G 1⁄2					



Box type: Type B



Body ported type: Type D





Body ported type (Without silencer)

zн□ов

Box type (Built-in silencer) ZH□□D

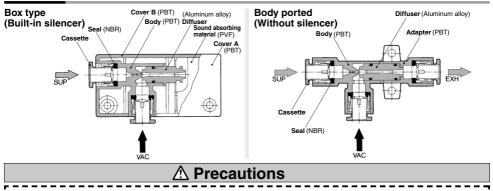
Model

wouer															
Model	Nozzle diameter	Body type	Max. vacuum pressure * (kPa)		Maximum suction flow rate (L/min (ANR))		Air consumption (L/min (ANR))	Connection (One-touch/Screw		w-in)	Weight (g)				
	(mm)		Type S	Type L	Type S	Type L	Type S/Type L	SUP	VAC	EXH	(9)				
ZH05B	0.5				5	8	13				28				
ZH07B	0.7	Baytime			12	20	23	ø6, Rc 1/8 G 1/8	ø6, Rc 1⁄8 G 1⁄8		28				
ZH10B	1.0	Box type (Built-in silencer)	-88	-48	24	34	46	G 1/8	G 1/8	I – [33				
ZH13B	1.3	(Duit-in silencer)			40	70	78	ø8, Rc 1⁄8 G 1⁄8	ø10, Rc 1⁄4 G 1⁄4		66				
ZH05D	0.5				5	8	13	ø6, Rc 1/8	ø6, Rc 1/8	ø6, Rc 1/8	11				
ZH07D	0.7				12	20	23	G 1/8	G 1/8	G 1/8	12				
ZH10D	1.0	Body ported type (Without silencer)						-88 -48	24	34	46	ø6, Rc 1⁄8 G 1⁄8	ø6, Rc 1⁄8 G 1⁄8	ø8, Rc 1⁄8 G 1⁄8	16
ZH13D	1.3				40	70	78	ø8, Rc 1⁄8 G 1⁄8	ø10, Rc 1⁄4 G 1⁄4	ø10, Rc 1⁄4 G 1⁄4	27				
ZH15D	1.5				55	75	95	ø10, Rc 1⁄4 G 1⁄4	ø12, Rc 3/8	ø12, Rc 3⁄8	43				
ZH18D	1.8	Body ported type (Without silencer)	-88	-53	65	110	150	ø12, Rc ¾ G ¾	G 3⁄8	G 3⁄8	55				
ZH20D	2.0				85	135	185	ø12, Rc ¾ G ¾	ø16, Rc 1⁄2 G 1⁄2	ø16, Rc 1⁄2 G 1⁄2	95				

Fiuid: Air, Operating temperature: 5 to 50 C, Max. operating pressure: 0.6 MPa. Standard supply pressure: 0.45 MPa

Supply pressure: 0.45 MPa.

Construction



Be sure to read before handling.

Refer to front matter 35 for Safety Instructions and pages 899 to 901 for Vacuum Equipment Precautions.

∆Caution

Mounting

Make sure that an excessive amount of load or moment is not applied to the ejector body due to pipe connections or installation.

Exhaust piping

On the ZHIDB models, keep exhaust ports open on at least one side. Make sure that the back pressure of the exhaust pipe on the ZHDDD models is 0.005 MPa or less. (Reference: Using tubing with an applicable diameter, its length must be 0.5 m or less.) (Port indication: P: supply port; V: vacuum port; E: exhaust port.)

Selection and sizing

Refer to the vacuum equipment model selection on pages 877 to 898.

ZK2

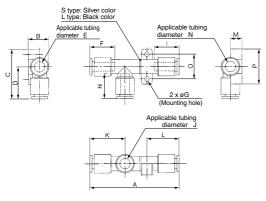
ZQ

ZR

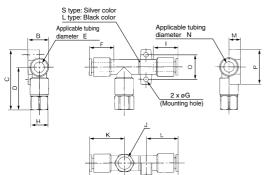


Body Ported Type (Without silencer): ZH05D^S_L-□-□, ZH15D^S_L-□-□-□

One-touch connection



One-touch	and	scrow-in	connection
One-louch	anu	SCIEW-III	connection



Mardal	•	-	•	•	. . .	-			
Model ZH05DS-06-06-06	Α	В	С	D	øE	F	øG	н	
ZH05DL-06-06-06	58.5								
ZH07DS-06-06-06	61	14.2	34	22	6	16.8	3.2	16.8	
ZH07DL-06-06-06	-								
ZH10DS-06-06-08	66	17.2	37	23	6	16.8	4.2	16.8	
ZH10DL-06-06-08 ZH13DS-08-10-10	70 74.5							<u> </u>	
ZH13DL-08-10-10	79.5	20	42.5	27.5	8	18.7	4.2	21.6	
ZH15DS-10-12-12	93.3	22.5	47	20.5	10	21.6	4.2	21.8	
ZH15DL-10-12-12	93.3	22.0	47	29.0	29.5 10		4.2	21.0	
Model	I	øJ	К	L	м	øN	0	Р	
ZH05DS-06-06-06		00	ĸ		141	UN		-	
ZH05DL-06-06-06	16.8	6	24	21	7.8	6	17	24	
ZH07DS-06-06-06	10.0	0	24	22	1.0	0	17	24	
ZH07DL-06-06-06 ZH10DS-06-06-08									
ZH10DS-06-06-08	18.7	6	26	24.5	9.6	8	20	28	
ZH13DS-08-10-10		10							
ZH13DL-08-10-10	21.6	10	28	27	10.7	10	22	30	
ZH15DS-10-12-12	21.6	12	31.5	33	12	12	27	35	
ZH15DL-10-12-12									
Model	A	В	С	D	øE	F	øG	н	
ZH05DS-06-01-06			~	5	WE	r	øu	.1	
ZH05DL-06-01-06	58.5	14.2	41 5	29.5	6	16.8	20	12	
ZH07DS-06-01-06	61	14.2	41.5	29.5	6	16.8	3.2		
ZH07DL-06-01-06									
ZH10DS-06-01-08 ZH10DL-06-01-08	66 70	17.2	44.5	30.5	6	16.8	4.2	12	
ZH13DS-08-02-10	74.5								
ZH13DL-08-02-10	79.5	20	53.5	38.5	8	18.7	4.2	17	
ZH15DS-10-03-12	93.3	22.5	58.5	41	10	21.6	4.2	19	
ZH15DL-10-03-12 ZH05DS-06-F01-06						-			
ZH05DL-06-F01-06	58.5				6	16.8	3.2	12	
ZH07DS-06-F01-06	61	14.2	41.5	29.5					
ZH07DL-06-F01-06	• ·								
ZH10DS-06-F01-08	66	17.2	44.5	30.5	6	16.8	4.2	12	
ZH10DL-06-F01-08 ZH13DS-08-F02-10	70 74.5								
ZH13DL-08-F02-10	79.5	20	54	39	8	18.7	4.2	17	
ZH15DS-10-F03-12	93.3	22.5	58.5	41	10	21.6	4.2	19	
ZH15DL-10-F03-12	00.0	22.0	00.0	41	10	21.0	7.2		
Model	I	J	К	L	М	øN	0	Р	
ZH05DS-06-01-06				21					
ZH05DL-06-01-06	16.8	Rc 1/8	24		7.8	6	17	24	
ZH07DS-06-01-06 ZH07DL-06-01-06				22					
ZH10DS-06-01-08		D 1/				_			
ZH10DL-06-01-08	18.7	Rc 1/8	26	24.5	9.6	8	20	28	
ZH13DS-08-02-10	21.6	Rc 1/4	28	27	10.7	10	22	30	
ZH13DL-08-02-10 ZH15DS-10-03-12									
ZH15DL-10-03-12	21.6	Rc 3/8	31.5	33	12	12	27	35	
ZH05DS-06-F01-06				21	7.8	6			
ZH05DL-06-F01-06	16.8	G 1/8	24	21			17	24	
ZH07DS-06-F01-06 ZH07DL-06-F01-06				22			.,		
ZH07DL-06-F01-06 ZH10DS-06-F01-08									
ZH10DL-06-F01-08	18.7	G 1⁄8	26	24.5	9.6	8	20	28	
ZH13DS-08-F02-10	21.6	G 1⁄4	28	27	10.7	10	22	30	
ZH13DL-08-F02-10		- / *							
ZH15DS-10-F03-12 ZH15DL-10-F03-12	21.6	G 3⁄8	31.5	32.8	12	12	27	35	
ZH15DS-10-F03-12 ZH15DL-10-F03-12 * Please contact									