

Vacuum Generator

S-ZH SERIES



- Various nozzle diameter which can be used for small flow and big flow.
- Resin material for nozzle and main body, light weight, easy to mounting.
- 2 Types: Box type(internal silencer) and direct exhaust type.

How To Order

Box Type S-ZH - 10 - B

Body Ported Type S-ZH - 10 - D

① Nozzle Diameter (mm)

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

② Type

B	Box type(Built-in silencer)
D	Body ported type

③ Vacuum Level (kPa)

S	-88 (pressure type)
L	-48 (flow type)

④ Air Supply Port

⑤ Vacuum Port

⑥ Exhaust Port

Nozzle Diameter	Air Supply Port	Vacuum Port	Exhaust Port
05	06	01	06 01
07	06	01	06 01
10	08	02	10 02
13	10	02	10 02
15	10	02	12 03
18	12	03	12 03
20	12	03	16 04

Connection Port Mark Description

Quick connector (mm)		Internal thread	
06	ø6	01	Rc1/8
08	ø8	02	Rc1/4
10	ø10	03	Rc3/8
12	ø12	04	Rc1/2
16	ø16		

Specification

Model	Item	Nozzle Diameter (mm)	Suction Flow (L/min)		Air Consumption (L/min)	Vacuum Level (kPa)		Air Supply Pressure (MPa)
			S	L		S	L	
S-ZH05	□	ø0.5	5	8	13	-88	-48	0.45
S-ZH07	□	ø0.7	12	20	23			
S-ZH10	□	ø1.0	24	34	46			
S-ZH13	□	ø1.3	40	70	78			
S-ZH15	□	ø1.5	55	75	95			
S-ZH18	□	ø1.8	65	110	150			
S-ZH20	□	ø2.0	85	135	185			

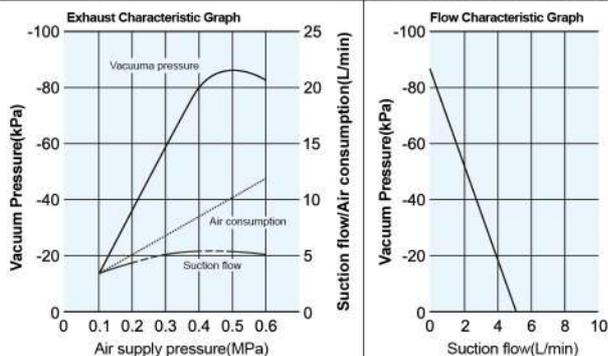
Characteristic Curve

Air supply pressure of flow characteristic graph: 0.45 MPa



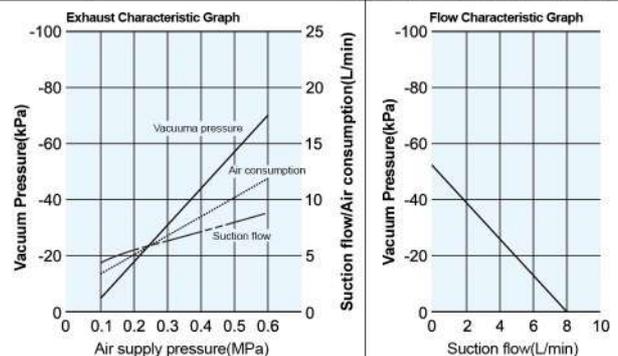
S-ZH05 □ S

Max. Vacuum Pressure -88 kPa



S-ZH05 □ L

Max. Vacuum Pressure -48 kPa

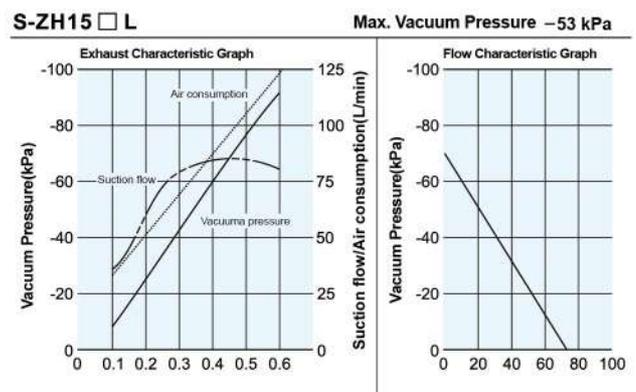
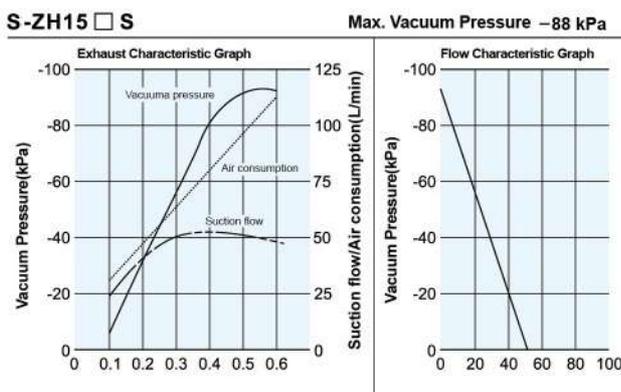
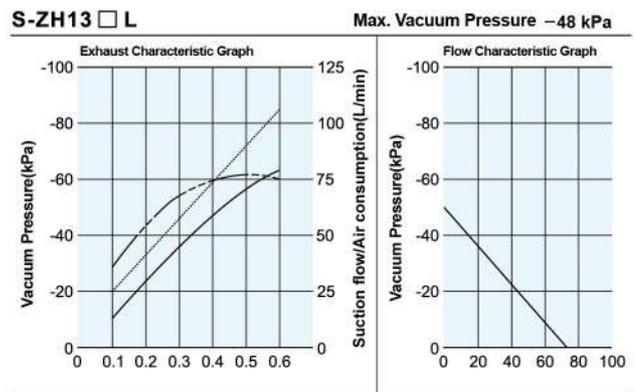
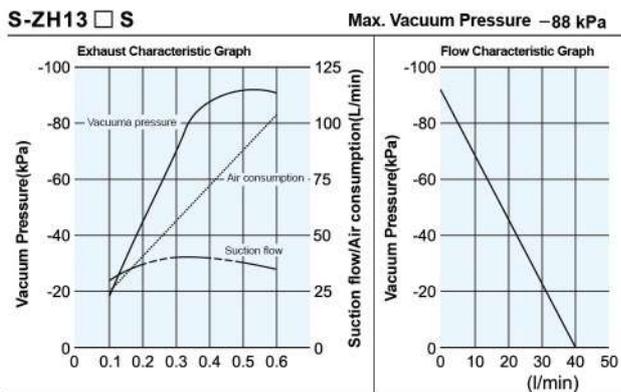
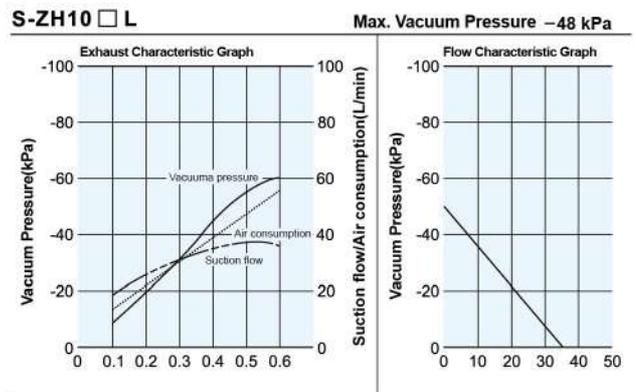
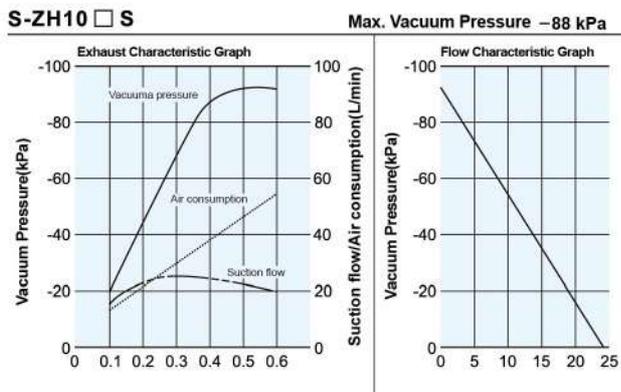
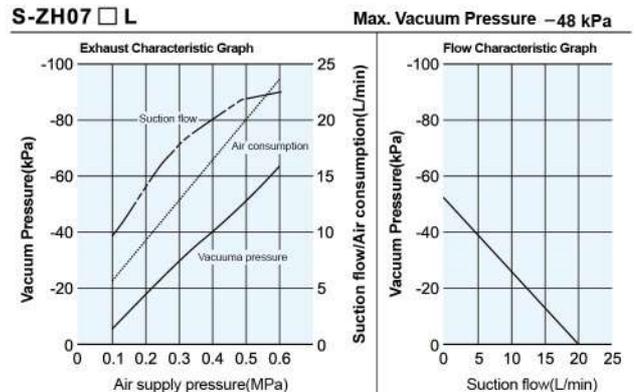
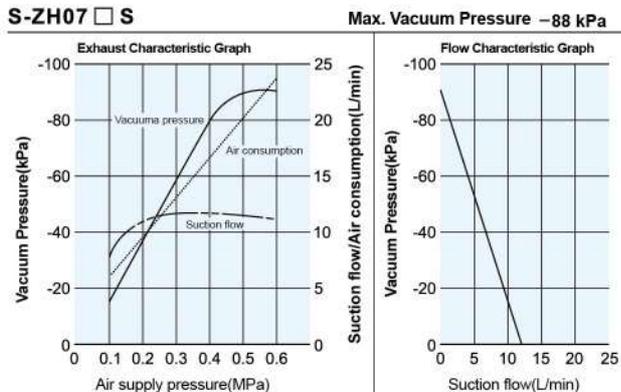


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Characteristic Curve

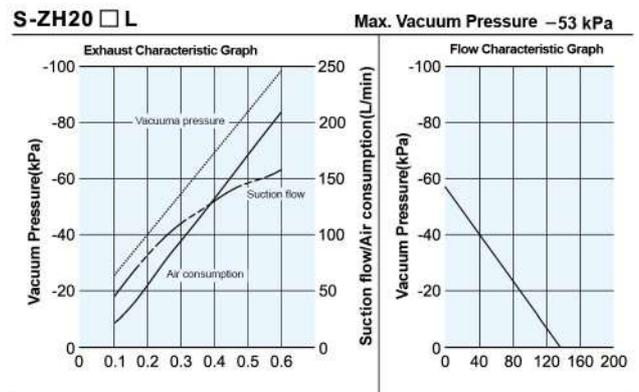
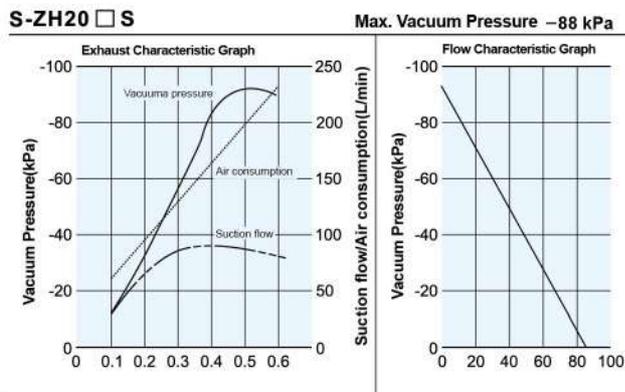
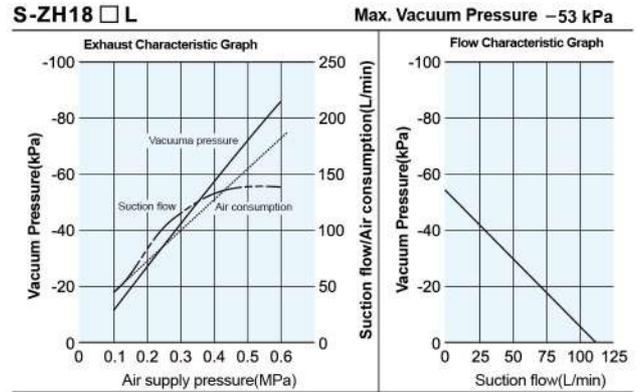
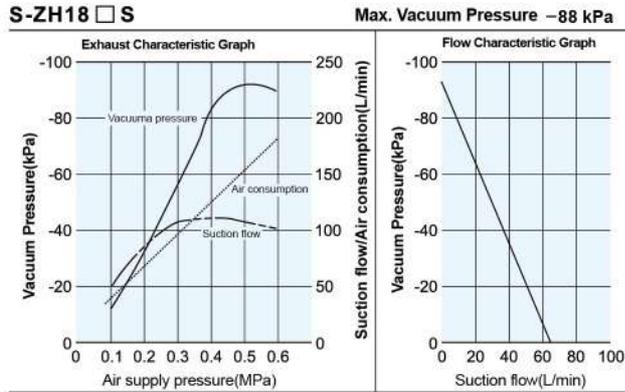
Air supply pressure of flow characteristic graph: 0.45 MPa



Characteristic Curve

Air supply pressure of flow characteristic graph: 0.5 MPa

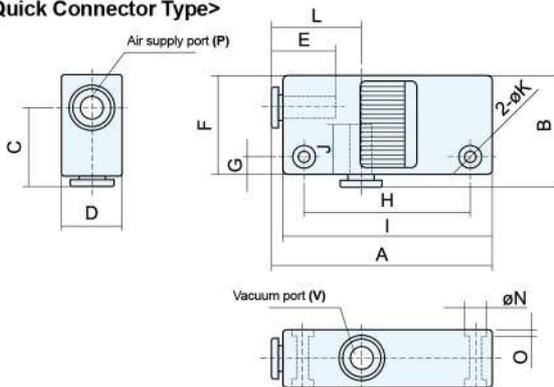
— Vacuum pressure Air consumption - - - Suction flow



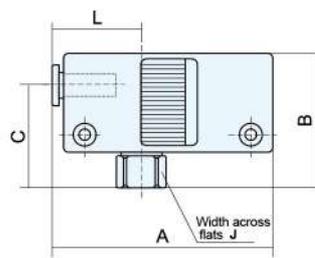
Dimension

(mm)

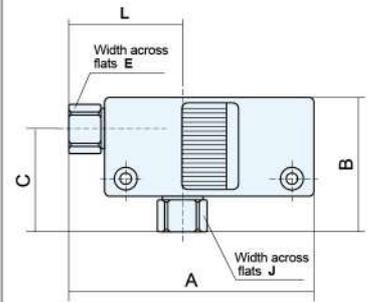
<Quick Connector Type>



<Quick Connector - Internal Thread Type >



< Internal Thread Type >

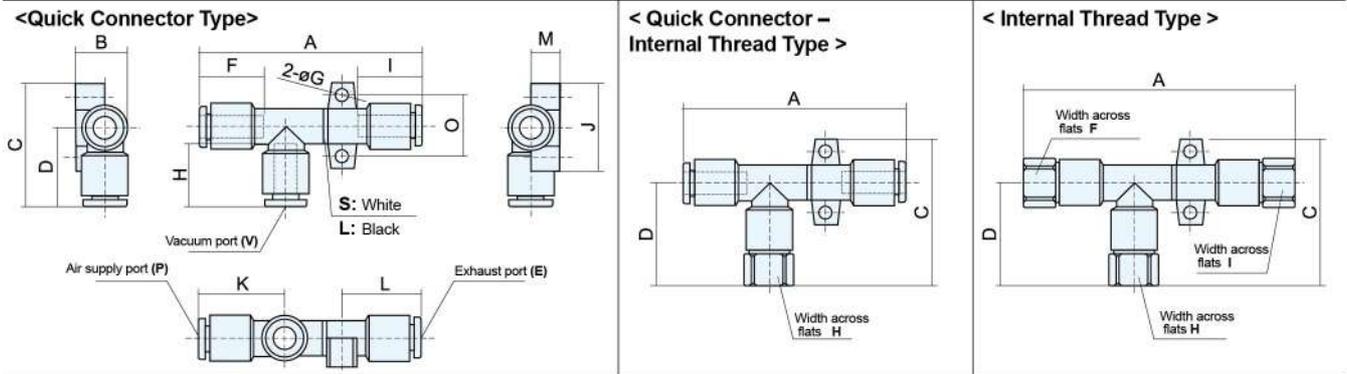


Model	A	B	C	D	E	F	G	H	I	J	øK	L	øN	O	P	V
S-ZH05B □ -06-06	60	31	22	16	17	28	5	47	57	17	3.2	24	5.8	2	ø6	ø6
S-ZH07B □ -06-06	63	32	23	18		29		50	60			26				
S-ZH10B □ -06-06	63	32	23	18	17	28	5	47	57	12	3.2	24	5.8	2	ø6	Rc1/8
S-ZH07B □ -06-01	60	38.5	29.5	16		29		50	60			26				
S-ZH10B □ -06-01	63	39.5	30.5	18	12	28	5	47	57	12	3.2	31.5	5.8	2	Rc1/8	Rc1/8
S-ZH05B □ -01-01	67.5	38.5	29.5	16		29		50	60			33.5				
S-ZH10B □ -01-01	70.5	39.5	30.5	18	14	28	7	47	57	17	4.2	36.5	7.5	3		Rc1/4
S-ZH13B □ -01-02	86.5	50	39	23		35		61	75			36.5				

□ S: Pressure Type L: Big Flow Type

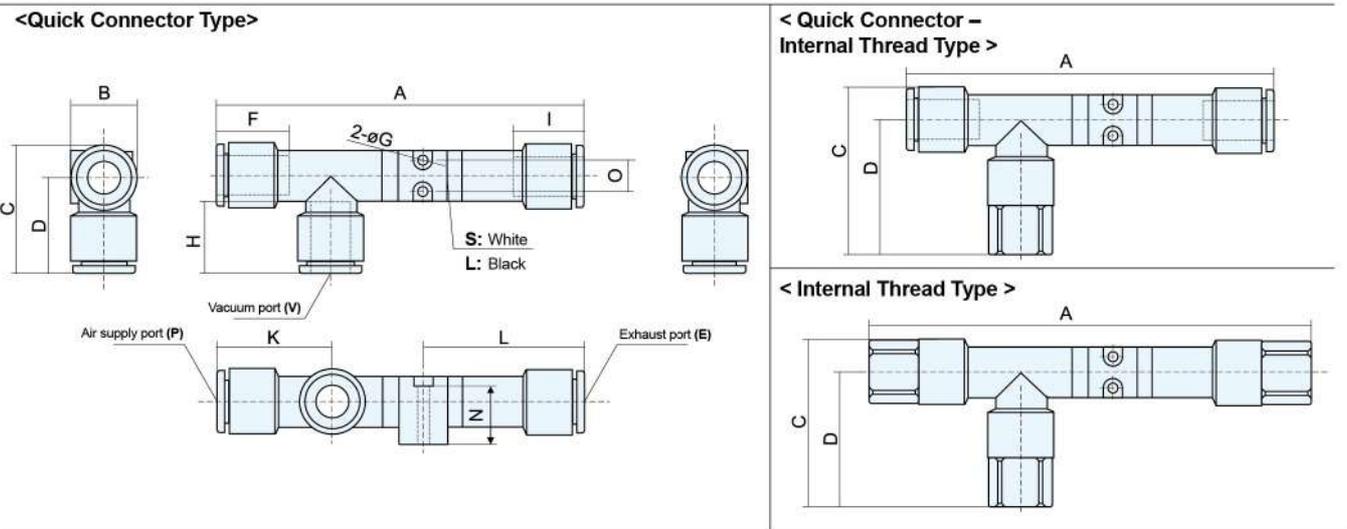
Dimension

(mm)



Model	A	B	C	D	E	F	øG	H	I	J	K	L	N	O	P	V
S-ZH05D□ -06-06-06	58.5	14.2	34	22	ø6	17	3.2	17	17	24	24	21	7.8	17	ø6	ø6
S-ZH07D□ -06-06-06	61															
S-ZH10D□ -06-06-08	66/70	17.2	37	23	ø8	18.5	4.2	21	21	30	30	27	10.7	22	ø8	ø10
S-ZH13D□ -08-10-10	74.5/79.5	20	42.5	27.5	ø10											
S-ZH15D□ -10-12-12	93.3	22.45	47	29.5	ø12	21	4.2	22	22	35	35	32.8	12	27	ø10	ø12
S-ZH05D□ -06-01-06	58.5	14.2	41.5	29.5	ø6	17	3.2	12	17	24	24	21	7.8	17	ø6	Rc1/8
S-ZH07D□ -06-01-06	61															
S-ZH10D□ -06-01-08	66/70	17.2	44.5	30.5	ø8	18.5	4.2	17	21	30	30	27	10.7	22	ø8	Rc1/4
S-ZH13D□ -08-02-10	74.5/79.5	20	54	39	ø10											
S-ZH15D□ -10-03-12	93.3	22.45	58.5	41	ø12	21	4.2	19	22	35	35	32.8	12	27	ø10	Rc3/8
S-ZH05D□ -01-01-01	73.5	14.2	41.5	29.5	Rc1/8	12	3.2	12	12	24	31.5	28.5	7.8	17	Rc1/8	Rc1/8
S-ZH07D□ -01-01-01	76															
S-ZH10D□ -01-01-01	82/86	17.2	44.5	30.5	Rc1/4	14	4.2	17	17	30	36.5	38.5	10.7	22	Rc1/4	Rc3/8
S-ZH13D□ -01-02-02	94.5/99.5	20	54	39												
S-ZH15D□ -02-03-03	116.5	22.45	58.5	41	Rc3/8	17	4.2	19	19	35	43	44.5	12	27	Rc1/4	Rc3/8

□ S: Pressure Type L: Big Flow Type Mark: S type size / L type size



Model	A	B	C	D	E	F	øG	H	I	K	L	N	O	P	V
S-ZH18D□ -12-12-12	114	20.95	40.95	30.5	ø12	22	3.5	22	22	35.5	50	17	10	ø12	ø12
S-ZH20D□ -12-16-16	124.6	26.75	45.95	32.7	ø16			25	25	38.5	54.3	21.7	12		12
S-ZH18D□ -12-03-12	114	20.95	52.45	42	ø12	19	3.5	19	22	35.5	50	17	10	Rc3/8	Rc3/8
S-ZH20D□ -12-04-16	124.6	26.75	60.95	47.7	ø16			24	25	38.5	54.3	21.7	12		12
S-ZH18D□ -03-03-03	133	20.95	52.45	42	Rc3/8	19	3.5	19	19	47	57.5	17	10	Rc3/8	Rc3/8
S-ZH20D□ -03-04-04	151.1	26.75	60.95	47.7	Rc1/2			24	24	50	69.3	22	12		12

□ S: Pressure Type L: Big Flow Type