Vacuum Flow

Series **ZH**□-□□-**X185**

By supplying compressed air,

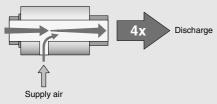
Large blow and vacuum flow rate available



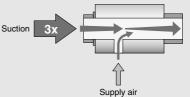
RoHS

• A blow flow rate 4 times the supply air

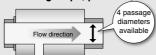
A discharge flow rate 4 times the supply air can be generated. Contributes to reduction in flow consumption if discharge requires flow rate.



A suction flow rate 3 times the supply air can be generated. Contributes to reduction in flow consumption if suction requires flow rate.

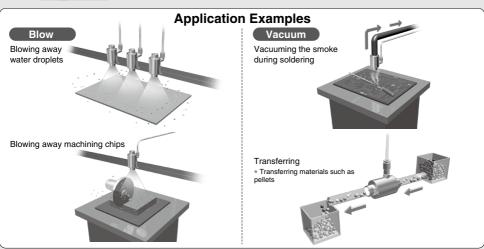


 Large passage diameter available for suction of machining chips, particles, etc.



- Dust bag available
- Mounting bracket available
- Maintenance free

No regular motor maintenance is necessary compared with an electric blower.

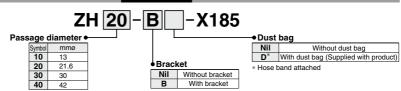


[•] SMC does not guarantee the entire system. Please think the system shown above as an example. A workpiece that is harder than the body material (aluminum alloy) may damage to the inside of the body, causing the performance to lower. The compatibility should be judged by the customer before adopting the product.



How to Order





⚠ Warning

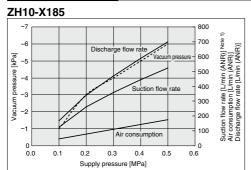
- Because suctioned matter is ejected together with exhaust, do not direct an exhaust port at a person or equipment.
- Do not use in an atmosphere having corrosive gases, chemicals, sea water, water steam, or where there is direct contact with any of these.

⚠ Refer to front matter 53 for Safety Instructions and pages 899 to 901 for Vacuum Equipment Precautions.

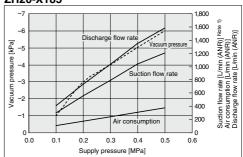
Specifications

Model	ZH10-X185	ZH20-X185	ZH30-X185	ZH40-X185									
Body material	Aluminum alloy												
Seal material	NBR												
Bracket material	Steel												
Dust bag material	Polyester												
Hose band material	Stainless steel												
Passage diameter	ø13	ø42											
Fluid		Д	ir										
Supply pressure range		0 to 0.	7 MPa										
Weight (g)	110	430	970	2000									
Bracket assembly	ZH-BK1-10-A	ZH-BK1-20-A	ZH-BK1-30-A	ZH-BK1-40-A									
Dust bag assembly	ZH-DB1-10-A	ZH-DB1-20-A	ZH-DB1-30-A	ZH-DB1-40-A									

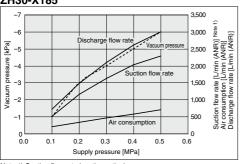
Flow Characteristics



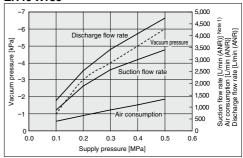




ZH30-X185



ZH40-X185



Note 1) Suction flow rate is a theoretical value.

Note 2) The above characteristics are when the discharge outlet is under atmospheric pressure.

Note 3) Back pressure should be avoided if you mount a filter or some devices to catch the suctioned particles on the suction outlet side of this product

Recommended Sonic Conductance and Solenoid Valves (Reference)

Model	ZH10-□-X185	ZH20-□-X185	ZH30-□-X185	ZH40-□-X185
C [dm3/(s-bar)]	1.48 or more	3.12 or more	5.92 or more	11.08 or more
Solenoid valve (Reference)	VQZ200	VP300	VP500	VP700
	Sonic conductance C (dm3/(s-har)): 1.7	Sonic conductance C [dm3/(s-harl): 4.2	Sonic conductance C [dm3/(s-har)]: 8.9	Sonic conductance C [dm3/(s-har)]: 15.3

SP ZCUK

AMV

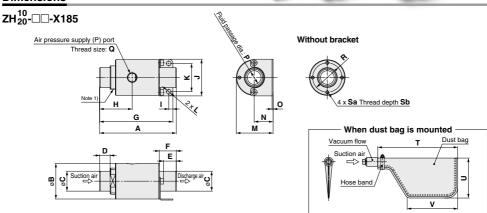
ZH -X185

Related Equipmen

Series **ZH**□-□□-X185

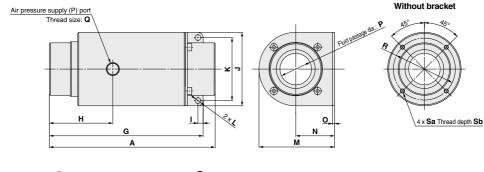
Dimensions

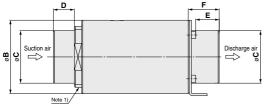


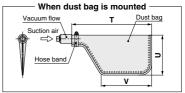


																(mm)							
Model	Α	øΒ	øС	D	E	F	G	Н	1	J	K	L	M	N	0	P	Ø	R	Sa	Sb	Т	U	٧
ZH10-□-X185	73	34	19	10	13.2	16.2	69.8	31	_	35	27	4.5	35	18	_	13	Rc1/8	28	M3 x 0.5	5	300	150	190
ZH20-□-X185	119.5	55	32	15	19.5	23.5	111	48	4	56	48	4.5	56.5	29	'	21.6	Rc1/4	44	M4 x 0.7	8	400	200	250

ZH₄₀-□□-X185







	(r															(mm)							
Model	Α	øΒ	øС	D	E	F	G	Н	1	J	K	L	M	N	0	Р	Q	R	Sa	Sb	Т	U	٧
ZH30-□-X185	158	70	50	20	24.5	28.5	146.5	60.5	5	70	60	5.5	72	37	2	30	Rc1/4	59	Mayoz	10	500	250	310
ZH40-□-X185	203	90	64	25	27.2	33.5	196.8	74.5	6	90	78	6.5	92	47	2.3	42	Rc3/8	76	M4 x 0.7	10	500	250	310

Note 1) This thread portion is intended to adjust the product characteristics.

Do not use it for mounting. Otherwise, the adjustment at shipment may deviate.

