Desktop Duster Box **ZVB** Series



IZS

IZN

IZF

ZVB

IZE

IZH

How to Order



 Power supply voltage
 85 to 264 VAC
 50/60 Hz (when using the exclusive AC adaptor)

 Operating time setting
 Continuous/Timer [2/5/10 s]

 Additional air blow setting
 Continuous blow/Pulse blow [50/100 ms intervals]

 Operating temperature range
 0 to 55°C Note 1)

 Air consumption Note 2)
 420 L/min (ANR)

 Weight Note 3)
 5.1 kg

Note 1) No freezing

Note 2) When supply pressure to the dust collector is set to 0.3 MPa (ZVB20)/0.4 MPa (ZVB40) and additional air blow supply pressure to 0.2 MPa. Based on SMC's measuring conditions. Note 3) Overall weight excluding optional parts



Best Pneumatics 8 Ver.6

ZVB Series

Air Circuit Diagram



Construction

(Photo shows the ZVB20.)



Component Parts*

No.	Description	Note			
1	lonizer	ZVB20: 1 unit, ZVB40: 2 units, With diffusion nozzle			
2	Additional air blow nozzle	ZVB20: 2 pcs., ZVB40: 4 pcs., Nozzle diameter: ø1.0			
3	Regulator for adjusting supply pressure to the dust collector	With pressure gauge			
4	Regulator for adjusting supply pressure for additional air blow	With pressure gauge			
5	Top cover assembly	Static electricity restriction grade (PET)			
6	Side cover	Static electricity restriction grade (PET)			
7	Photoelectric sensor	ZVB20: 1 pc., ZVB40: 2 pcs., Reflection type (built into the body)			
8	Mesh	Detachable			
9	Power supply switch				
10	Operation time set switch	Continuous/2 s/5 s/10 s			



No.	Description	Note			
11	Additional air blow pulse operation time set switch	Continuous (no pulse)/50 ms/100 ms			
12	Cover for valve maintenance	Used when replacing the built-in valve			
13	Terminal block	Signal output/External input/COM+/COM-			
14	AC adapter (DC plug) entry				
15	ON/OFF switch for dust collector				
16	Exhaust port of the dust collector	ZVB20: 1 port, ZVB40: 2 ports, Exhaust duct hose connection port(O.D.: ø32)			
17	Compressed air supply port	ZVB20: ø8, ZVB40: ø10			
18	Grounding screw				

* Although the components are common to the ZVB20 and ZVB40, the number of attached parts differs. (Refer to the note column.)

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Operation Flow

The following shows the operating sequence during continuous operation and timer operation with the photoelectric sensor.



ZVB Series







Model	А	В	С	D	D' Note 1)	E	F	F' Note 2)
ZVB20	211	202	212	310	351	210	297	341
ZVB40	248	392	298	349	390	400	384	428

Note 1) Dimension D' is the overall height including the knob of the regulator. Note 2) Dimension F' is the overall depth including the switch lever on the front and the exhaust port on the back.

Refer to the operation manual for detailed dimensions.