

BLOVAC CLEANER INSTRUCTION MANUAL

This manual is the explanation booklet for the safe and proper use of BLOVAC CLEANER . Be sure to read through this manual before using. Keep this manual carefully at the convenient place to read whenever you need.

※ Specifications are subject to change for improvement without prior notice.

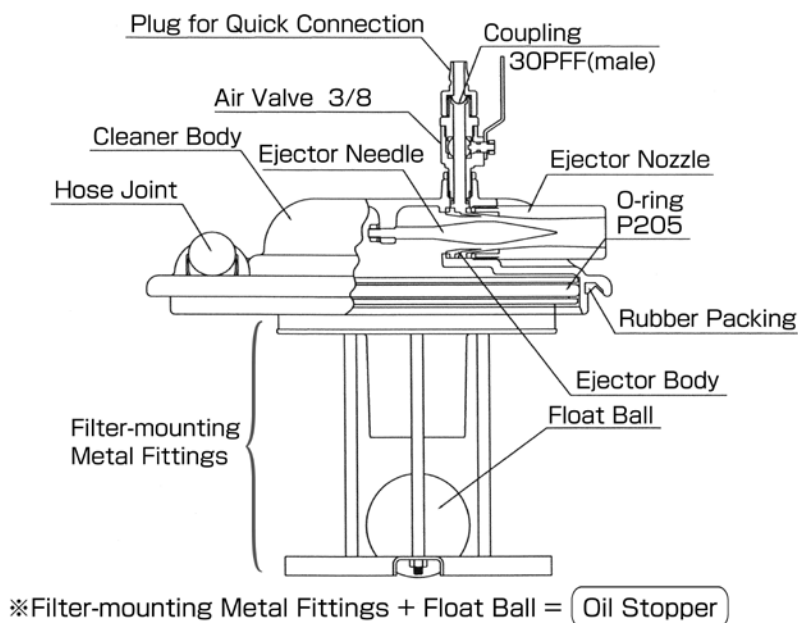


BLOVAC CLEANER is a cleaner making use of the compressed air. In addition to easiness of handling, distinguished performance is equipped. Read through this manual before use. Make the most of the cleaner after understanding the meaning of the symbol marks and the signal words.

SPECIFICATION						
Model	Type	Suction Hose (PVC)	Suction Nozzle (Al)	Model (standard)	Model (with OS*)	Model (with FS*)
Standard Type	Standard	φ 25×2m	φ 25×30cm	V300	V300-OS	V300-F
		φ 32×2m	φ 32×30cm	V500	V500-OS	V500-F
	Large Capacity	φ 38×2m	φ 38×30cm	V530W	V530W-OS	V530W-F
		φ 50×2.5m	φ 50×50cm	V550W	V550W-OS	V550W-F
	High Vacuum	φ 25×2m	φ 25×30cm	V300H	V300H-OS	—
		φ 32×2m	φ 32×30cm	V500H	V500H-OS	—
Silent Type	Standard	φ 25×2m	φ 25×30cm	VS300	VS300-OS	VS300-F
		φ 32×2m	φ 32×30cm	VS500	VS500-OS	VS500-F
	Large Capacity	φ 38×2m	φ 38×30cm	VS530W	VS530W-OS	VS530W-F
		φ 50×2.5m	φ 50×50cm	VS550W	VS550W-OS	VS550W-F
	High Vacuum	φ 25×2m	φ 25×30cm	VS300H	VS300H-OS	—
		φ 32×2m	φ 32×30cm	VS500H	VS500H-OS	—

- ※ OS (Oil stopper) : When the can becomes full of liquid, it stops suction.
- ※ FS (Filter set) : A fine particle and so on are prevented from being discharged with air.

PART NAME



BEFORE OPERATION

BEFORE OPERATION

(1)PAIL:

Prepare a pail which is less damaged, has no deformation at the rim, and also of thick wall. Especially, H type might be crushed due to high vacuum. Be sure to prepare an exclusive reinforced pail (HS19L) of thick wall or an equivalent.

(2)COMPRESSED AIR:

Use a compressor of more than 3HP for V300 / V300H. Use more than 5HP for V500 / V500H, and more than 10HP for V530W / V550W. Be careful about the pressure drop in the case of combination use together with other machines. 4 ~ 6kg/cm² is the proper operation pressure. If the pressure is high, the vacuum degree rises and the pail might be crushed.

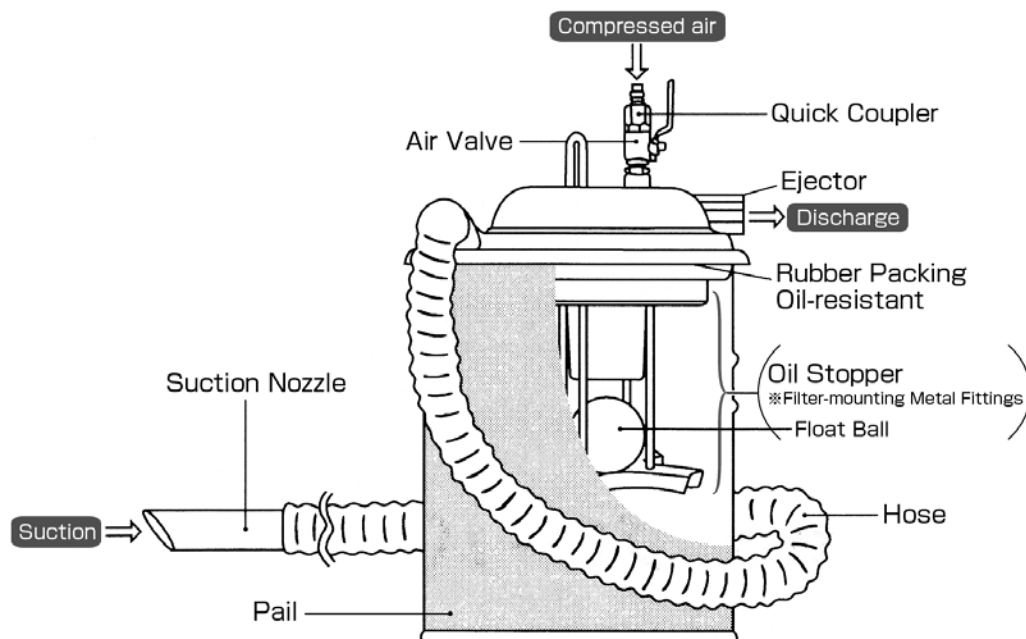
(3)AIR HOSE:

Use the air hose of more than 3/8". If the air hose is thin, the pressure drops and lowers the performance.

(4)Quick-Connection Coupling:

Prepare NITTO Hi-cupla (female) #30SH.

HOW TO USE





(1) Put the unit on a pail. Set the rim of the pail closely into the groove of the rubber of the unit. If the rim cannot be set closely, change the pail to a better one. When the rim is uneven or deformed, the performance is lowered.

(2) Shut off the air valve and connect the compressed air by a quick-connection coupling. Then, air begins to blow up out of the ejector and the object can be sucked into the suction nozzle.

The suction nozzle has two kinds, the round and the square, which you can choose according to the place you use. The nozzle can be removed by turning it clockwise towards the hose after holding the nozzle.

CAUTION ON USE

SYMBOL MARKS / SIGNAL WORDS AND ITS MEANING

 WARNING	"COMPULSORY WARNING" You have to practice by all means	 CAUTION	"ATTENTION CALL" You have to pay attention
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WARNING

(1) Suction of the explosive material is possible because this is a cleaner using the compressed air. But, ground the cleaner without fail for in case.

(2) Although this cleaner is not suitable for suction of solvent / chemicals, pay enough attention to the ventilation of the room in the case of suction of solvents and the like. Furthermore, consult with us in advance because the hose has to be changed to a proper one.

CAUTION

(1) The temperature of the object to be sucked should be below 60°C. When suction of the object of higher than 60°C is needed, consult with us in advance.

(2) Pay attention to the direction of the ejector because the air-ejecting force out of the ejector is very strong.

(3) Also especially, be careful about that the sucked objects can be gushed when the pail becomes full.

(4) When the liquid is handled, use the oil stopper (option). When the powder is handled, use the filter set (option).

CHECKPOINTS ON TROUBLE

TROUBLE CHECKPOINTS	TREATMENT
Extremely Weak Suction or No Suction At All	
Is the air fiercely being exhausted from the ejector nozzle of the cleaner? → No exhaust of air Cause The compressed air is not connected properly, or the air valve is not set to open (ON).	Check the connection with the air compressor, and also set the air valve to open (ON).
When you lift up the cleaner with the handle while the compressed air is ON. Is the pail lifted up together? → No. Cause The degree of vacuum does not rise due to the dent of the pail lid or the damage of the V-packing of the lid.	Change the pail or the V-packing for a new one.
Is your palm sucked strongly when you put your palm on the suction nozzle? → No. Cause The suction hose or the suction nozzle is clogged up, or the hose is damaged.	Remove the clogging stuff. When the hose is damaged, change it for a new one.
Suction force is weak.	
Isn't the diameter of air hose small?	Use the air hose of the bigger diameter than $\varnothing 9.5\text{mm}$ (3/8").
Isn't the inside of the suction hose, the suction nozzle or the cleaner itself being clogged up?	When being clogged up, remove the clogging stuff. ※ To check the cleaner itself, remove the hose from the cleaner.
Isn't there any damage on the pail or in the hose?	If there is, change it for a new one.
Isn't the suction distance too long? Or, isn't the suction height high?	Change the work environment.
Isn't viscosity or specific gravity of the object to be sucked high?	When either of viscosity and specific gravity is high, the suction time also becomes long proportionally.
Isn't the air supply pressure low?	The proper air supply pressure is 5 ~ 6kg/cm ² .
Isn't the compressor capacity small?	The proper capacity of air compressore is more than 5HP.

SPECIAL ACCESSORIES

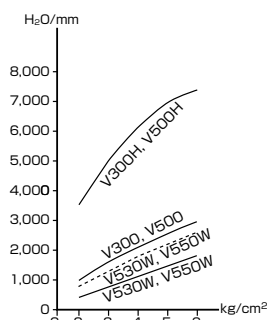
- (1) Oil Stopper is used to suck the liquid. When the can becomes full, the float ball works to stop sucking.
- (2) Filter Set is used to suck the powder.
- (3) Ejecter Needle (S) is used to raise the vacuum degree. Although the vacuum degree rises approx. 50% higher than the ordinary operation, this is only for liquid suction. But, in this case or in the case that the operation air pressure is high, use the exclusive pail of thick wall because the pail is easy to be crushed.
- (4) Silencer is used to lower the noise. (In the case of the air pressure 6kg/cm², noise is lowered by approx. 15%. But, both the vacuum degree and the suction volume are lowered by approx. 5% and 3% respectively.)

MAINTENANCE

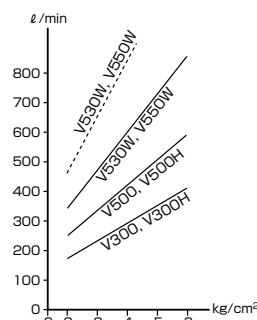
The quick-connection coupling has a strainer inside. If the strainer is clogged up with refuse, the performance is lowered. To prevent it, wash the strainer sometimes. When washing it, wash it as it is without pulling out the strainer from the plug.

PERFORMANCE

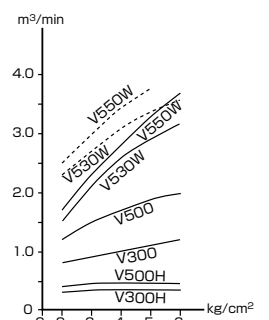
Vacuum Degree



Air Consumption Volume



Air Suction Volume



(The dotted line V530W / V550W shows the data under the condition that a 1/2" air valve is used.)



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