

AIR VACUUM CLEANER

AVC-55

Instruction Manual

- Please read the instruction manual carefully before using the device.
- Misusing the device may cause accidents.
- Please keep the instruction manual and refer to it whenever required.

FOREWORD

Thank you for purchasing AVC-55 Air Vacuum Cleaner.

This vacuum cleaner utilizes compressed air and is designed for use with pail cans.

With AVC-55 you can easily and safely collect liquids, dust and manufacturing leftovers.

Before using the cleaner, remember to carefully read the manual, so you understand device's operation mechanism and the right way of using it.

BEFORE USING AVC-55

- This operation manual gives an overview on AVC-55's way of usage, as well as provides other relevant and important information. Please read it thoroughly before using the device. Understanding and remembering AVC-55's instruction manual allows using the device swiftly and efficiently.
- Refer to the manual whenever required.
- In case of losing or damaging the manual, immediately contact the vendor or manufacturer to receive a new one.
- Every person operating the cleaner should read and have access to the operation manual.
- To keep high quality and high performance of the cleaner, as well as to ensure its safety, it is possible to change some of the working parts, should it be required. Please refer to this manual and illustrations for further information. Please remember, however, that in some cases changing the parts may not be possible.
- If you notice that device operates in a strange manner, please contact the vendor.
- In order to prevent any injuries or damage, please pay special attention to every place in the text with an exclamation mark in a triangle. Such places refer to safety regulations, which should be followed strictly.











Symbol	Meaning
 DANGER!	Misuse may result in death or serious injuries.
 WARNING!	Misuse may result in death or serious injuries.
 CAUTION!	Misuse may result in human injuries and material damage.

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1. SAFETY INSTRUCTIONS


This operation manual contains essential safety information presented in a table below. Remember to follow this information strictly and to perform necessary maintenance of the device. Furthermore, please keep in mind, that the safety information below are not exhaustive, so it is also always necessary to follow operating place's safety regulations as well.

 DANGER!	Collect only permitted substances. Doing otherwise may result in hose and packing damage, main body's corrosion, explosion and fire in case of inflammable liquids, human injuries and deadly accidents.
 DANGER!	Remember that alkalis and acids are not permitted liquids, due to risk of corrosion.
 DANGER!	When collecting inflammable or unstable liquids, always use a ground wire attached either to the nozzle or device's main body. Doing otherwise may lead to fire or explosion.
 DANGER!	Permitted compressed air range is 0.4 ~ 0.6 MPa. If the pressure is out of the mentioned range, the suction rate may fall or drastically rise, which may lead to cleaner or pail can's damage, human injuries and death.
 DANGER!	Clean the device thoroughly, before using it to collect a different liquid. Doing otherwise may result in dangerous chemical reactions, leading to injuries and death.
 DANGER!	This device has been configured and regulated to achieve the best possible performance. Do not deregulate or upgrade it.
 DANGER!	If the cleaner refuses to operate, or operates in a strange manner, immediately discontinue the operation and contact the vendor.

⚠ WARNING!	Do not use the device with containers other than pail cans.
⚠ WARNING!	Collected liquids' temperature should not exceed 60°C. Otherwise, there is a risk of damaging the hose and packing, leading to serious injuries.
⚠ WARNING!	When operating the device, the air is exhausted through the air vent. Remember not to leave anything in the way of exhausted air.

⚠ CAUTION!	Use the compressor according to prescriptions. Set its power accordingly. Using small power means smaller air exhaustion rate as well as smaller suction rate.
⚠ CAUTION!	Use a hose of at least 3/8" (with an inside diameter of 7 mm). Using a narrower hose decreases device's performance.
⚠ CAUTION!	Use only good and undamaged pail cans, made of durable and thick material. Otherwise, pail can deformation and fall of device's performance may occur.
⚠ CAUTION!	Maximum size of collected particles must not exceed 5 mm. If the particles get stuck in the hose, the performance of the device will decrease. There is also a risk of damaging the pail can.
⚠ CAUTION!	Sedimentation of dust and other remains in the strainer may lead to decreasing of device's performance. To avoid such situation, check the strainer from time to time, and (without disassembling it) clean it with soapy water if necessary.
⚠ CAUTION!	Shortly before the container becomes full with collected liquid, air mixed with liquid may be blown through the air vent.

2. SPECIFICATION

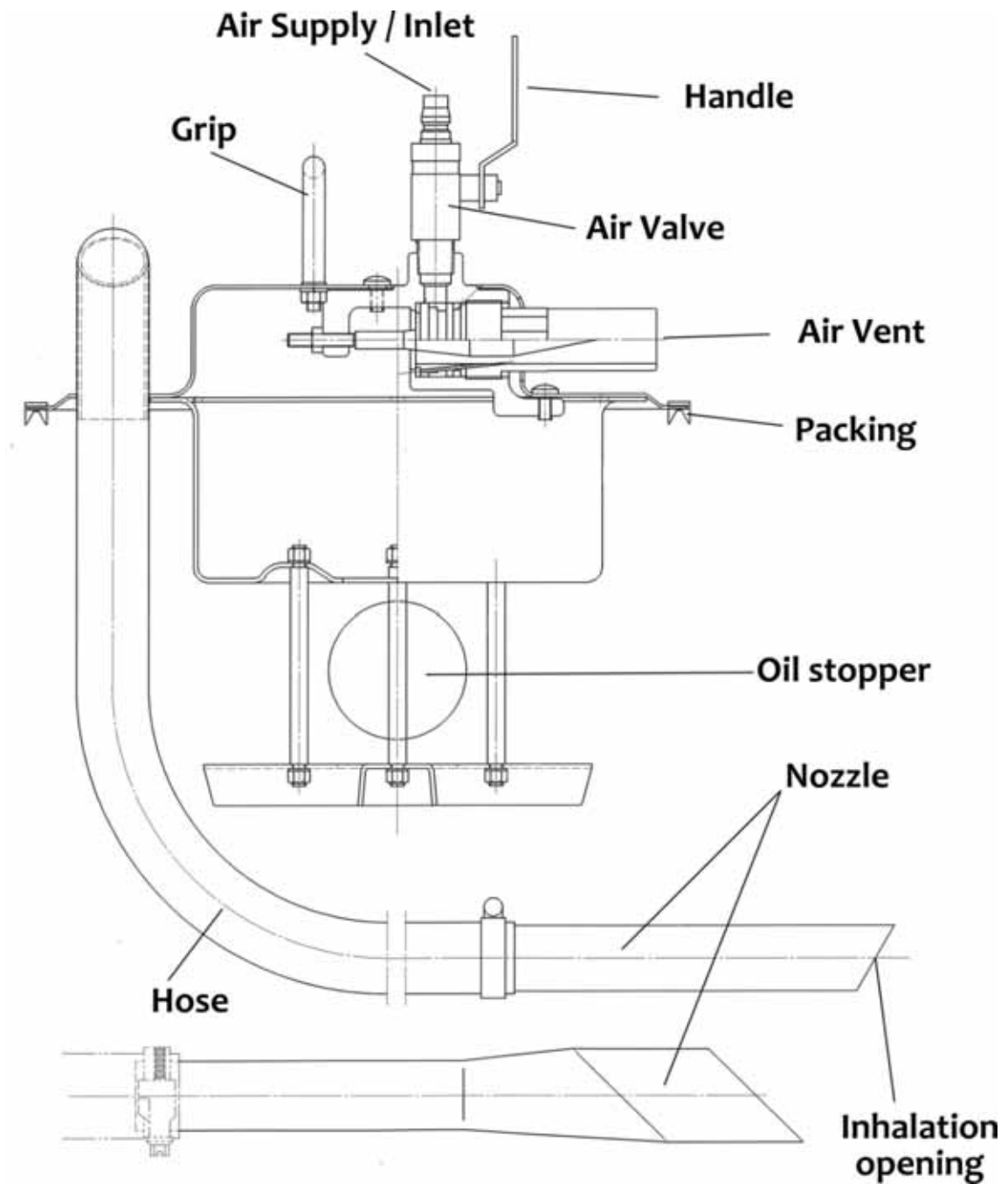
 DANGER!	Collect only permitted liquids specified in the table below. Using other liquids may lead to hose and packing damage, corrosion of the main body part, explosion, fire, human injuries and death.
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Model	Body material	Packing material	Hose material	Permitted liquids
AVC-55	Aluminum, Steel	NBR	Vinyl chloride	General oil, water, liquid wastes

3. HANDLING AND USAGE

3.1 AVC-55

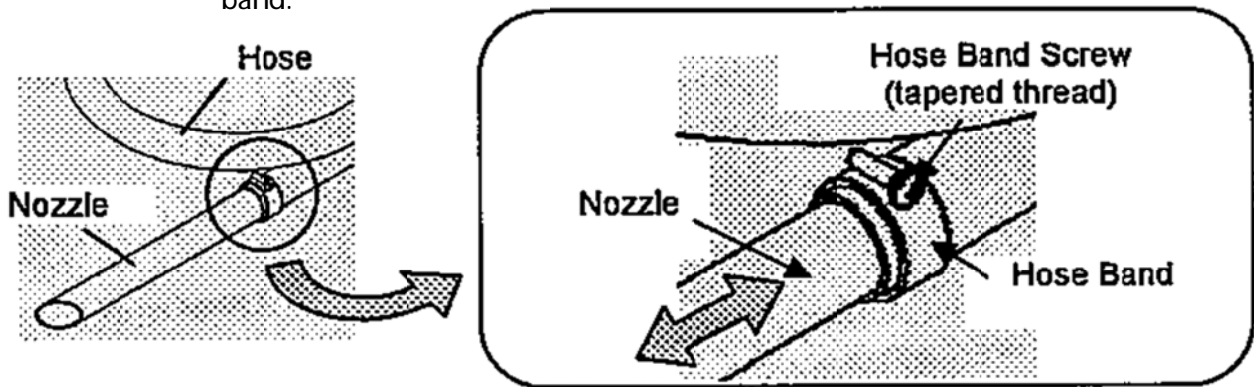
- Parts name



- Assembly
 - Nozzle

The nozzle can be replaced if necessary. Purchased AVC-55 includes a round nozzle attached to the hose and a narrow nozzle (loose). In order to change the nozzle:

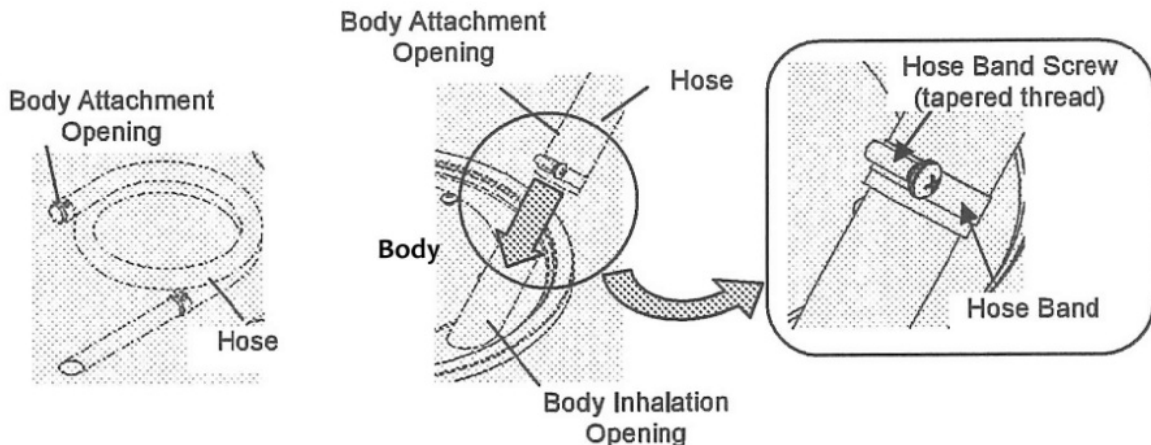
1. Loosen the hose band screw.
2. Slightly turn and pull the nozzle to remove it.
3. Insert a new nozzle into the hose. The overlap should be ca. 50 mm.
4. Move the hose band over the hose and the nozzle, and fix it using the hose band screw. Do not screw it too tightly, as it may lead to damaging the hose band.



- Hose

Attaching the hose to main body's suction inlet:

1. Insert the hose (without the nozzle) into body's suction inlet by turning it slightly. The overlap should be ca. 30 mm.
2. Move the hose band over the body suction inlet and the hose, and fix the hose by tightening the hose band screw. Be careful not to tighten it too firmly, as it may result in damaging the hose band.



- Usage and handling
 - Usage conditions


Item	Condition	Details
Compressor outlet pressure	>3.7 Kw (5PS)	-
Injected air pressure	0.4-0.6 MPa	If you use higher pressure, please use the Safety Valve; nevertheless, always remember about the prescribed compressor pressure range.
Air connection part	Air coupler	Use a socket and a hose with a diameter over 3/8" (inner diameter is 7 mm)
Pail can	Attached	An equivalent container (mouthpiece diameter, thickness material) can be used as well.

- Check points (before usage)

	Control point	Status check	Measures
	Inserted air pressure	0.4-0.6 MPa	In case of pressure higher than 0.6 MPa, use a safety valve. Fix it within the allowed
	Body	In case of damage	Visually check if device's main body is not damaged. Replace if necessary.
	Packing	In case of damage	Visually check if the packing is not damaged. Replace if necessary.
	Hose	In case of damage	Visually check if the hose is not damaged. Replace if necessary.

	Oil stopper	In case of damage	Visually check if the oil stopper is not damaged. Replace if necessary.
	Pail can	In case of damage	Visually check if the pail can is not deformed or damaged in other way. Replace if necessary.

➤ Usage and handling

 DANGER!	<p>Permitted pressure is between 0.4 and 0.6 MPa. If the pressure is out of the mentioned range, it may lead to suction rate's decrease or drastic increase. This may result in cleaner, pail can damage, human injuries and death.</p>
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Put the body of the device on top of the pail can; fix the set by fitting the packing's ditch regularly in the mouthpiece of the can.

Check if the air valve is closed.

Connect the air hose.

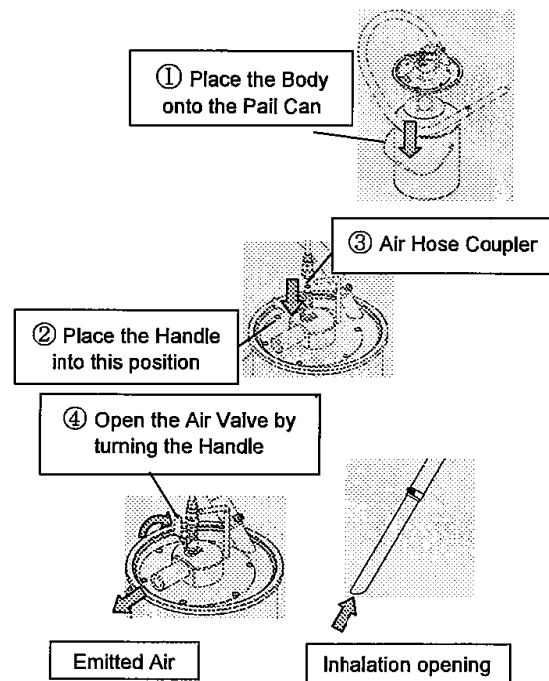
Once the air valve has been opened (using the handle), suction through the nozzle begins. When the air valve is open, the air is exhausted through the air vent.

When the container becomes full, the suction will stop automatically.

Once you have finished operating the device, close the air valve.

Remove the air hose.

Remove device's body from the pail can.



- If the cleaner is used for collecting dust, please be aware, that dust may sometimes leave the system through the air vent. Remember to use the filter.

Picture is an image, product may differ

4. TROUBLESHOOTING

If the cleaner operates in a strange manner, immediately stop the device. Refer to the table below to find a solution to your problem.

If you cannot find the right solution, please contact the vendor in order to receive advice and/or repair service.

Problem	Control question	Solution
No suction	Is the air hose connected firmly enough?	Connect the hose properly.
	Is the air valve open?	Open the air valve fully.
	Is the device's main body fixed properly to the pail can?	Check the position of main body and correct it if necessary.
	Is the main body's packing correctly on pail can's brim?	Check the position of main body and correct it if necessary.
	Isn't the pail can's brim region deformed?	Change the pail can.
	Isn't the hose clogged with dirt or other remains?	Remove the dirt or other remains.
Low suction rate	Isn't the hose clogged with dirt or other remains?	Remove the dirt or other remains.
	Isn't the injected air pressure too low?	Check the compressor power level. It should be between 0.4 and 0.6 MPa.
		Check the safety valve power level. It should be between 0.4 and 0.6 MPa.
	Is the air valve entirely open?	Open the valve fully by operating the handle.
	Isn't the viscosity of liquid too high?	Too high liquid viscosity may be dangerous and lead to accidents. Discontinue the operation immediately.

Deformation of the pail can	Isn't the air pressure too high?	Check the compressor power level. It should be between 0.4 and 0.6 MPa.
		Check the safety valve power level. It should be between 0.4 and 0.6 MPa.
	Is the pail can durable enough?	Change the pail can.
	Isn't the hose clogged with dirt or other remains?	Remove the dirt or other remains.



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