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Maintenance Manual

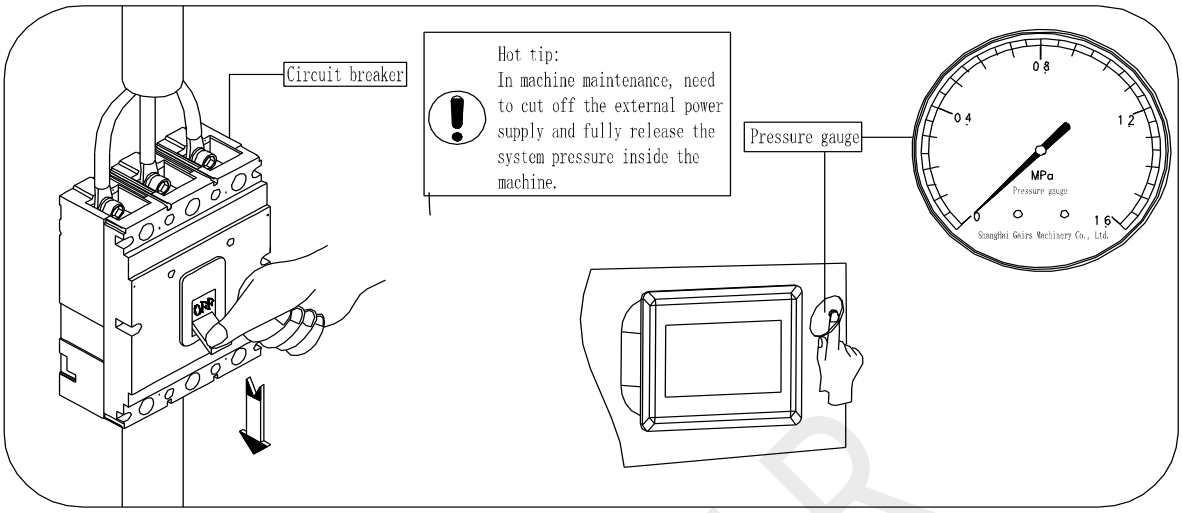
Water Lubricated Oil Free Single Screw Air Compressor

Period	Time	What to do?
Every day	8 hours	Before starting: check the water level, water source (water-cooled type air compressor), voltage and other relevant circumstances.
		During the operation: check whether **the exhaust temperature, loading /unloading pressure and the current value** is stable.
		For water-cooled type air compressor: if the ambient temperature ≤0℃, all the cooling water in the cooler should be discharged to avoid freeze.
Every week		**Check the consumption of lubricating water** If there is a leakage, it should be repaired and the lubricating water should be replenished in time.
		Check all parts of air compressor are in good condition If there are spare parts vibrate as the bolt loosening, repair timely
		Cleaning the filter of air compressor outside, wipe the dust and dirt.
Every Quarter	500 hours	Replace all the lubricating water, ensure pure water connection
		Check the working state and the sensitivity of safety valve.
		For the Air-cooled type air compressor: Check the air cooler, use a gas gun to remove the dust in the gap between the radiating fins.
		Check the air filter and vacuum pump congestion. Remove the dust of the filter element, replace a new filter element if it is hard to clean.
	Do you mean Air Filter?	Replace the water filter element for the first time.
	1000 hours	**Replace** the lubricating **Water filter element** every 1000 hours since the second time.
	2000 hours	Adsorption resin of the Water Softener should be regenerated, if it cannot be regenerated, the water softener should be replaced. (Omit this item if using pure water for lubricating water)
	3000 hours	The motor should add grease **Replace** the **Air filter element** every 3000 hours since the second time
Every year		Clean the cooler, inside and outside
		Clean All the filters, not only to replace the filter element but also other attached parts
		Check all the parts in motion control system
		Check the transmission parts (bearings, couplings)
		All the damage parts should be replaced and may not continue to use.

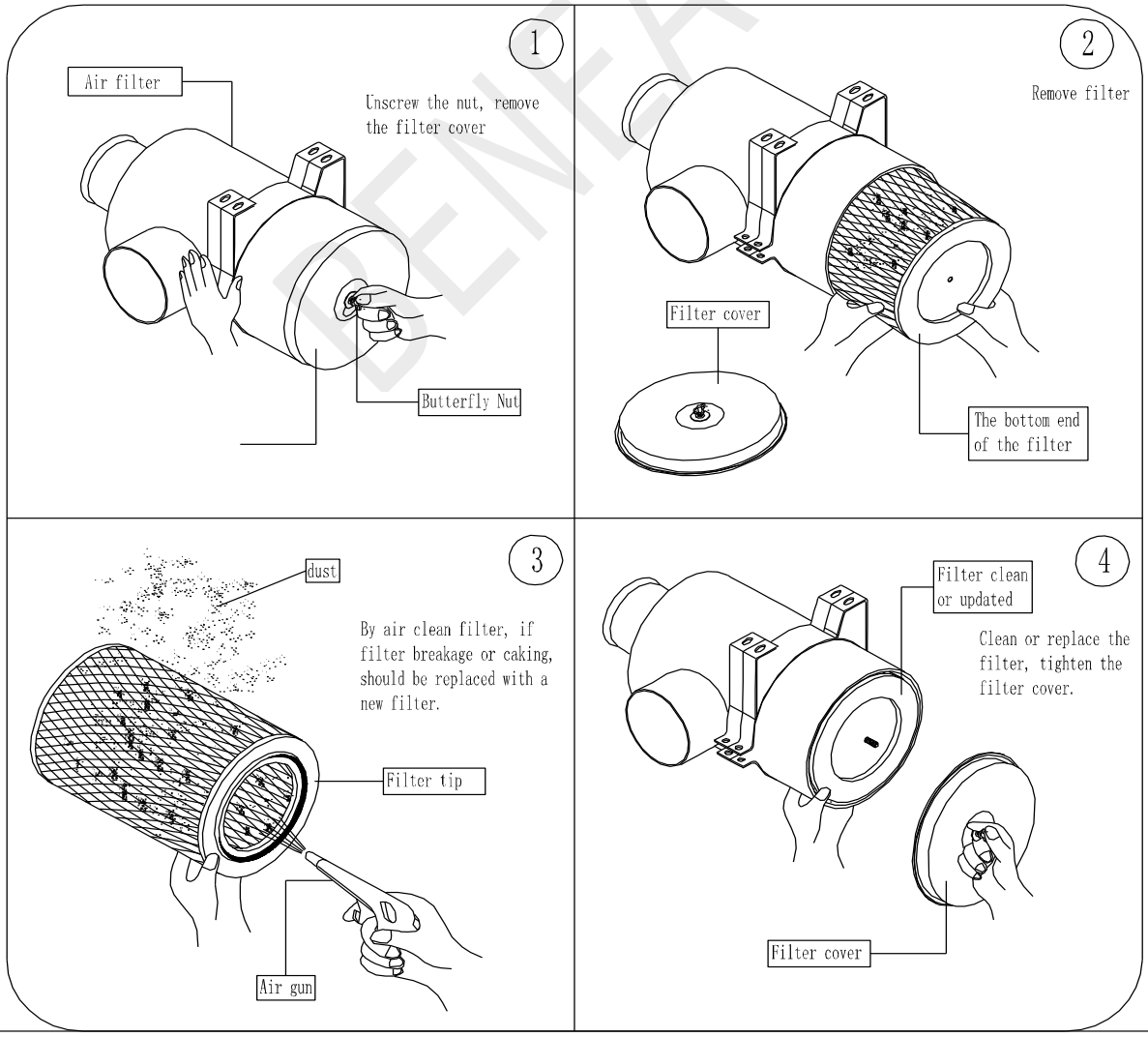
Note: *The maintenance period we provide is under normal working conditions.*
The Maintenance period should be adjusted depend on the specific work environment.

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9.2 The main components of the air compressor maintenance method



9.2.1 The maintenance method of the air filter

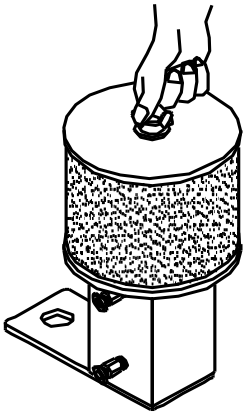


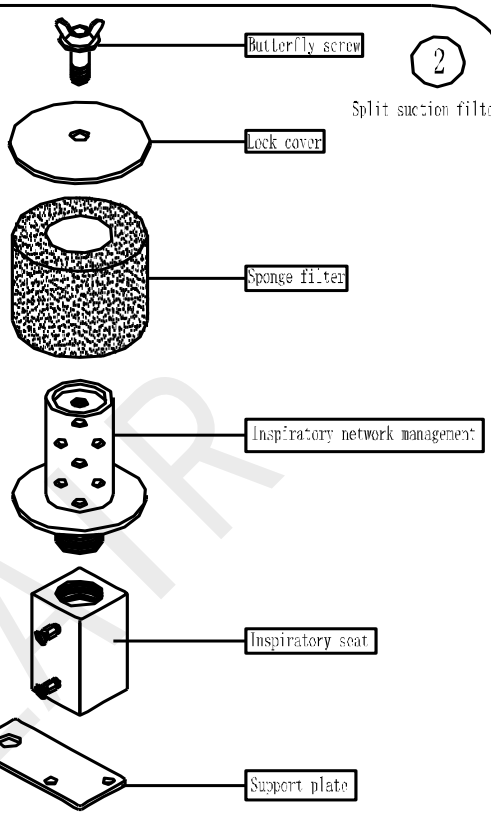
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9.2.2 Method for the maintenance of Air Breathing Filter

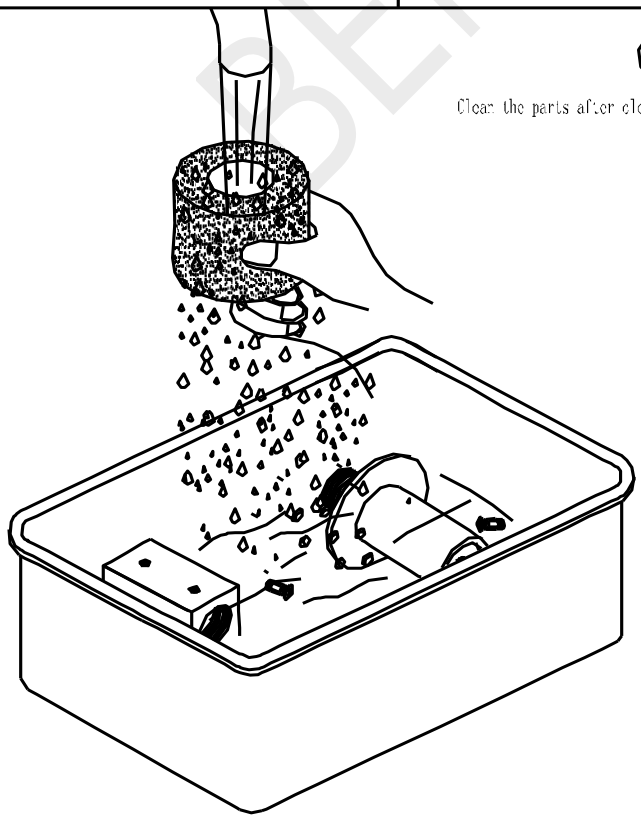
1 Wrench the suction filter discharged from the butterfly valve, unscrew the suction filter butterfly nut suction filter can be split.



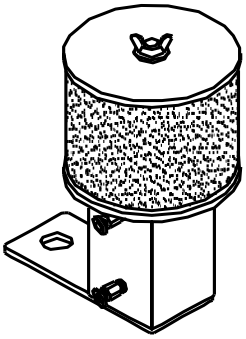


2 Split suction filter

3 Clear the parts after cleaning



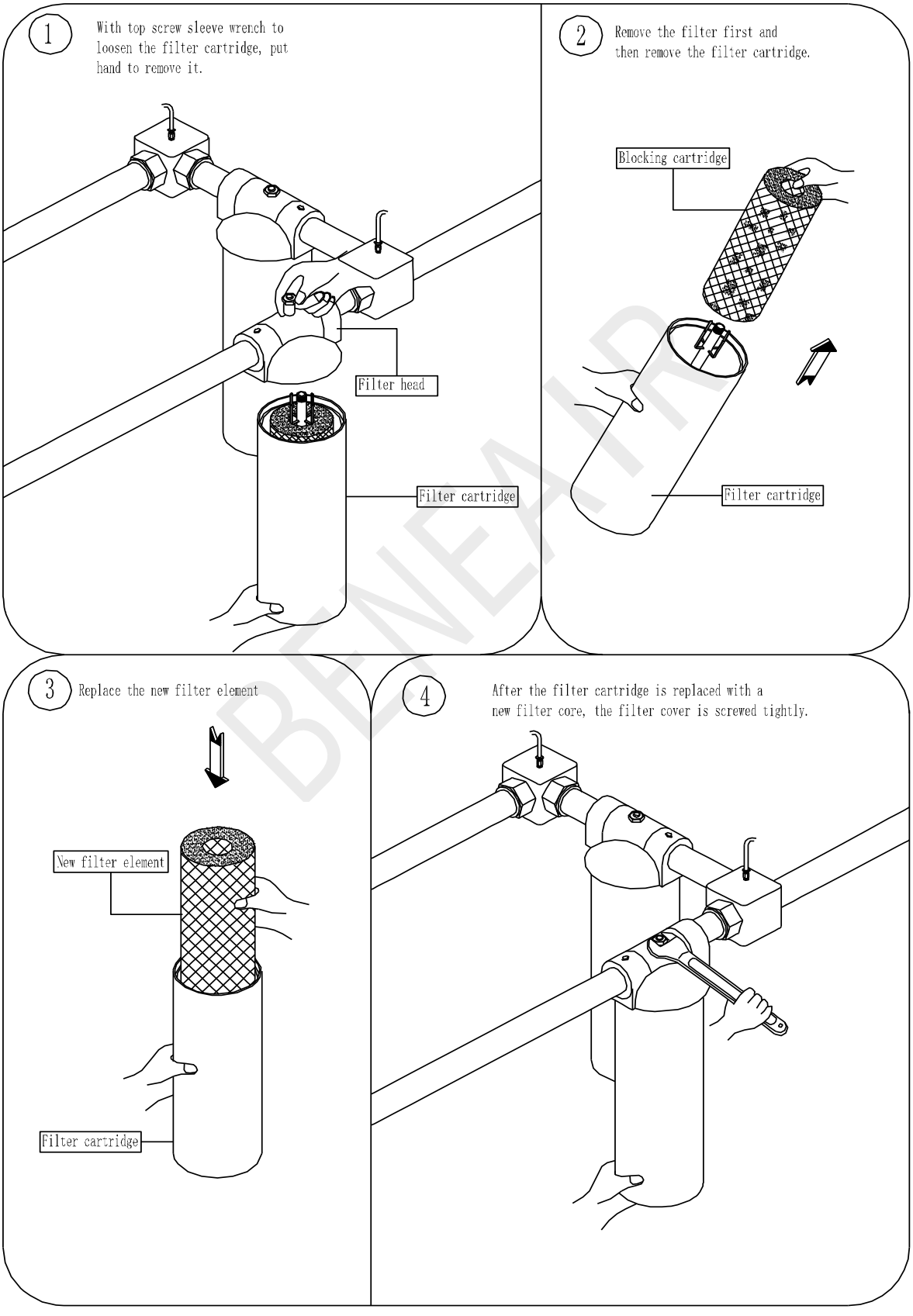
4 Parts are cleaned and installed in accordance with the graphic method.



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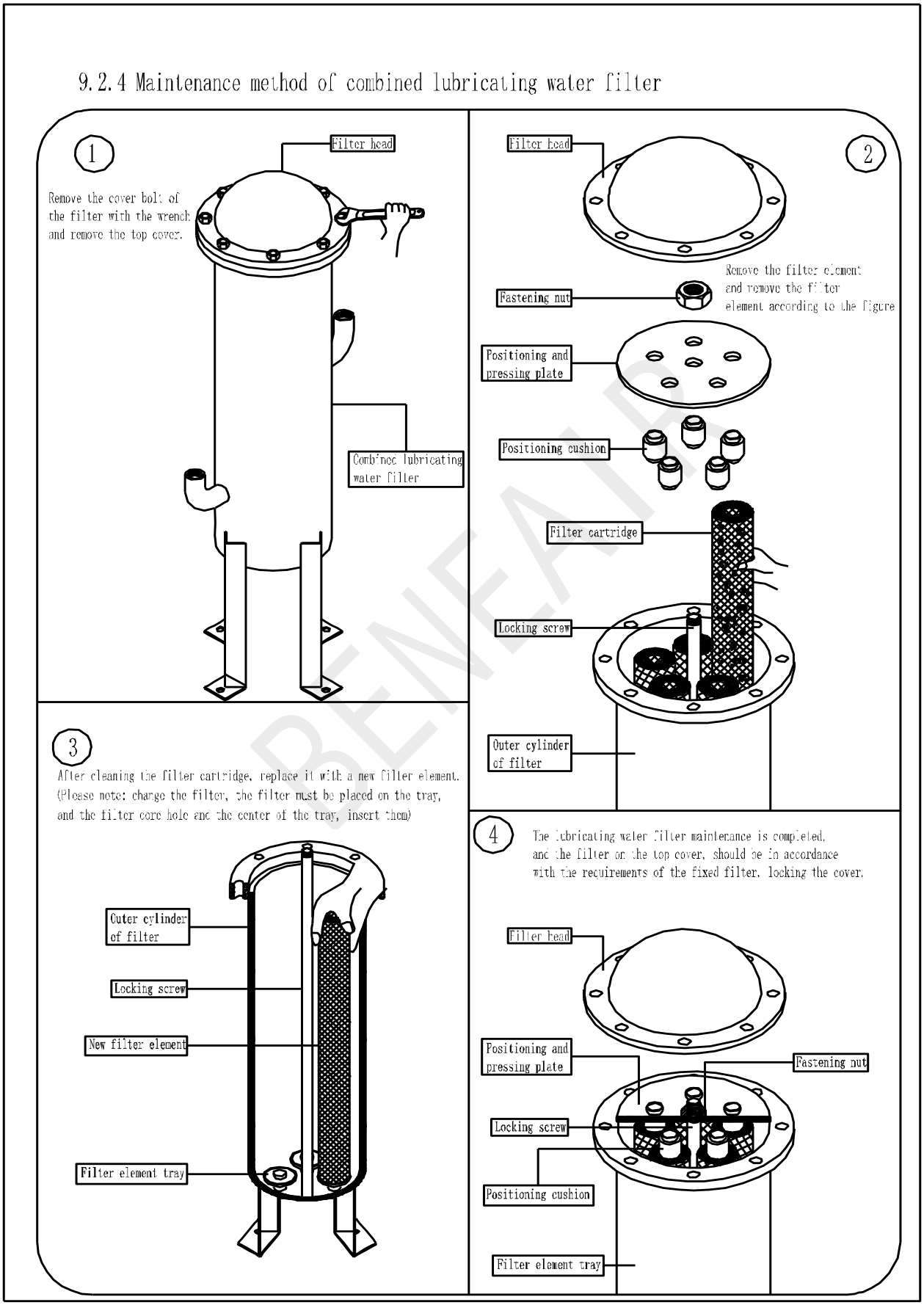
9.2.3 Maintenance method of single core type lubricating water filter



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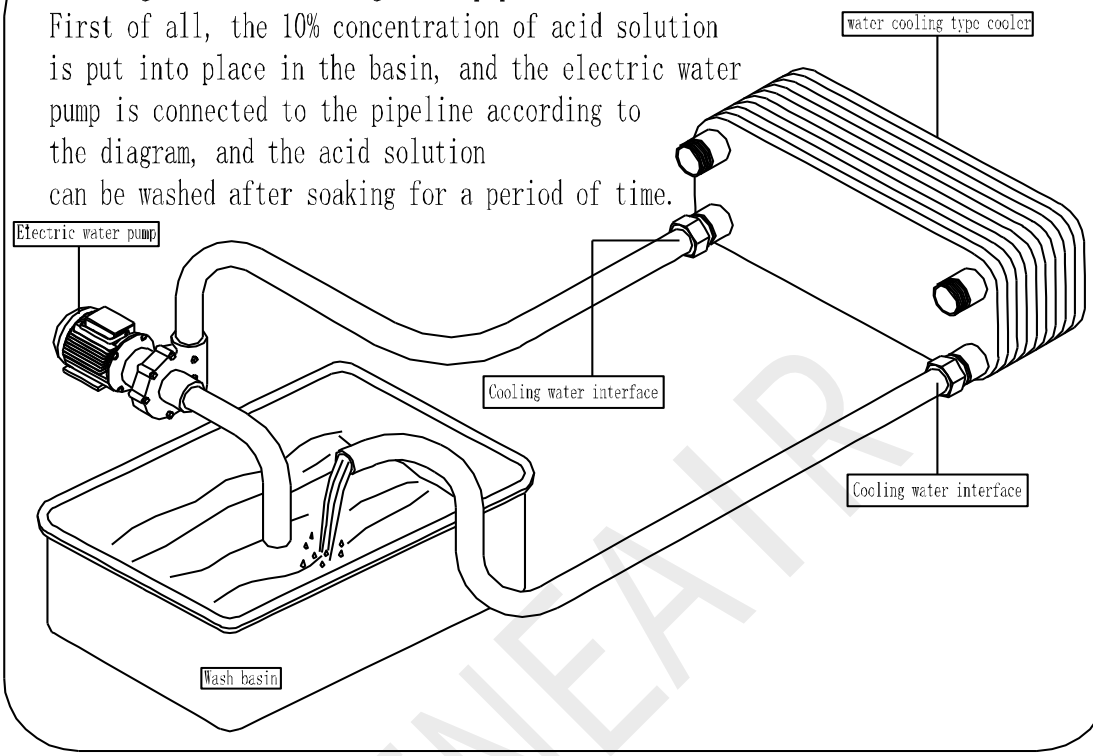
9.2.4 Maintenance method of combined lubricating water filter



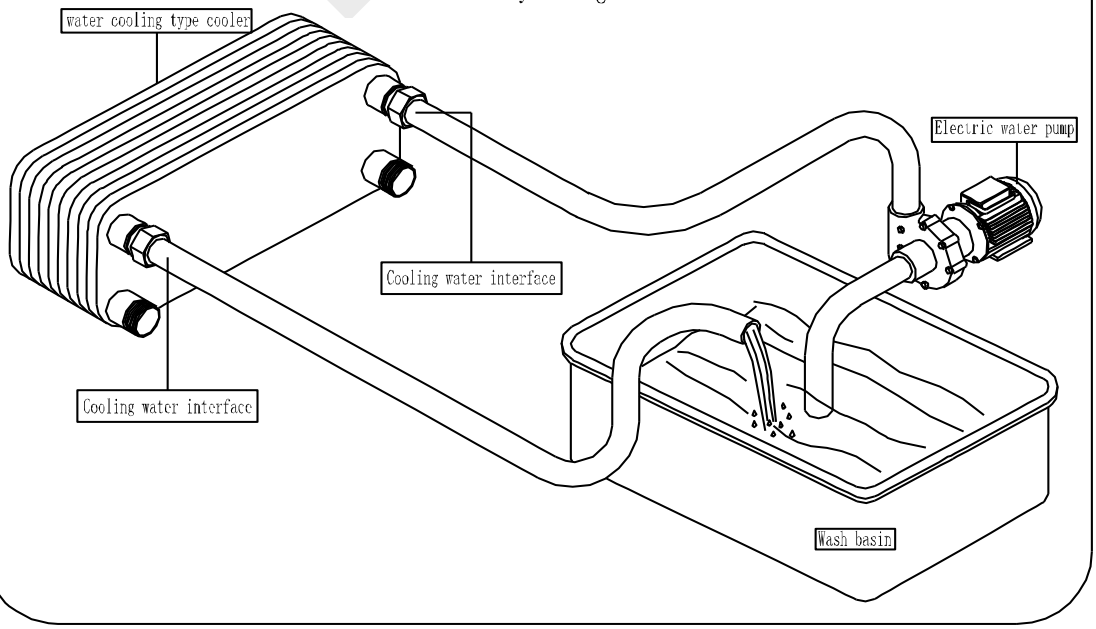
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9.2.5 Maintenance method of water cooling type cooler

Cleaning method of cooling water pipe scale:
First of all, the 10% concentration of acid solution is put into place in the basin, and the electric water pump is connected to the pipeline according to the diagram, and the acid solution can be washed after soaking for a period of time.



Method for removing dirt of lubricating water pipeline:
The method of cleaning the dirt of the lubricating water pipe is the same as the cooling water pipe cleaning method, but it can only change the cooler interface.

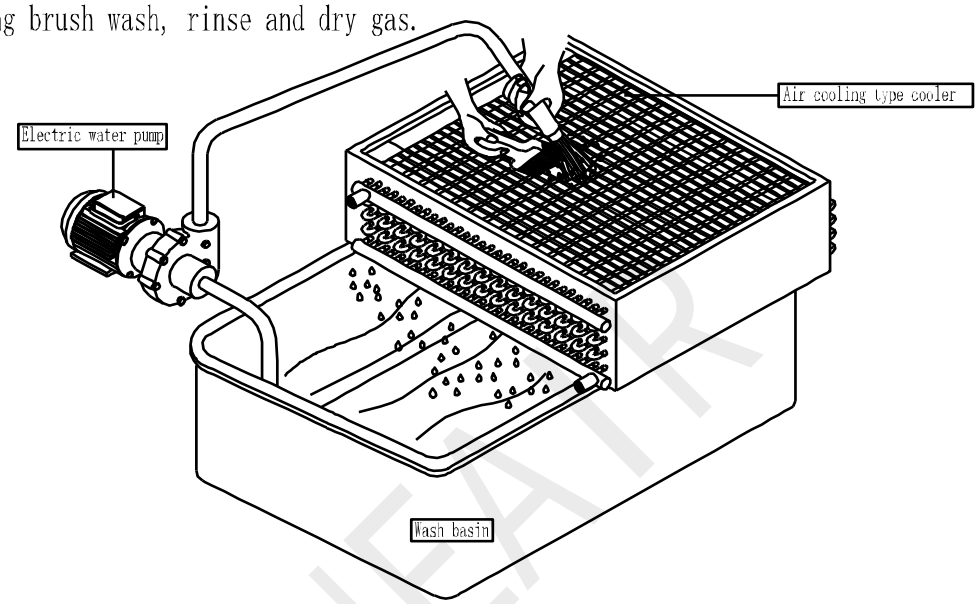


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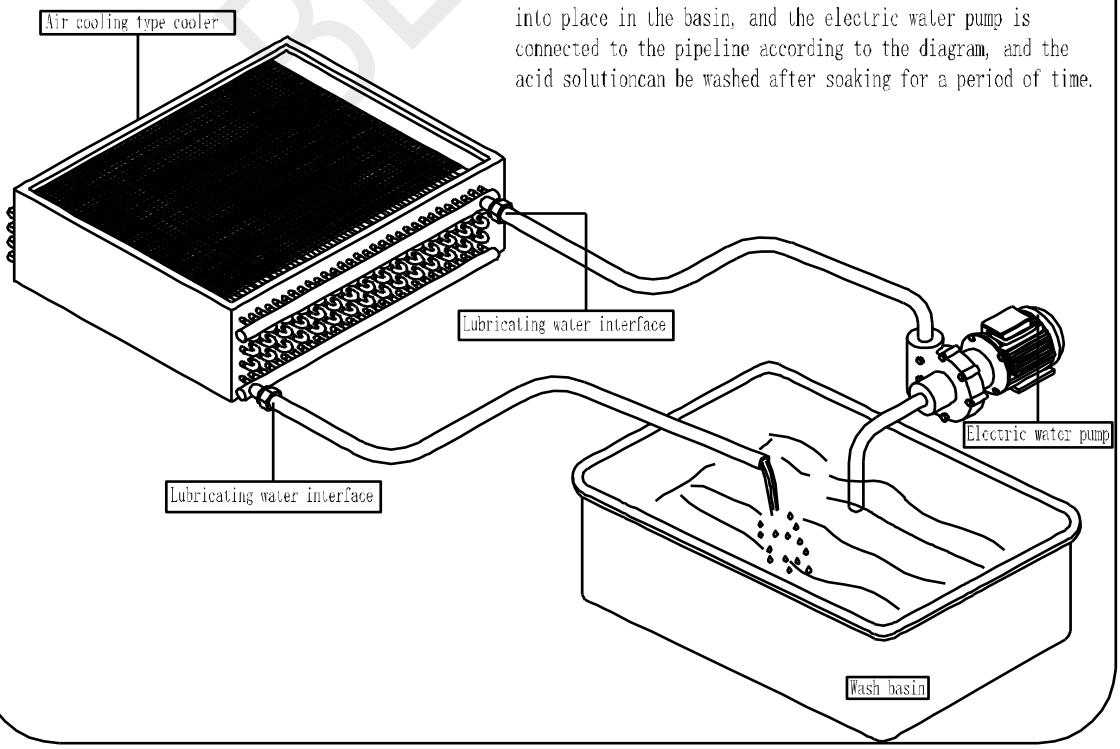
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9.2.6 Maintenance method of air cooling type cooler

Method for cleaning oil dirt and dust outside the cooler:
First of all, Suitable concentration of soap water or detergent solution is put into place in the basin, and the electric water pump is connected to the pipeline according to the diagram. Take the side of the flushing pipe, the side with the cleaning brush wash, rinse and dry gas.



Method for removing dirt of lubricating water pipeline:
First of all, the 10% concentration of acid solution is put into place in the basin, and the electric water pump is connected to the pipeline according to the diagram, and the acid solutioncan be washed after soaking for a period of time.

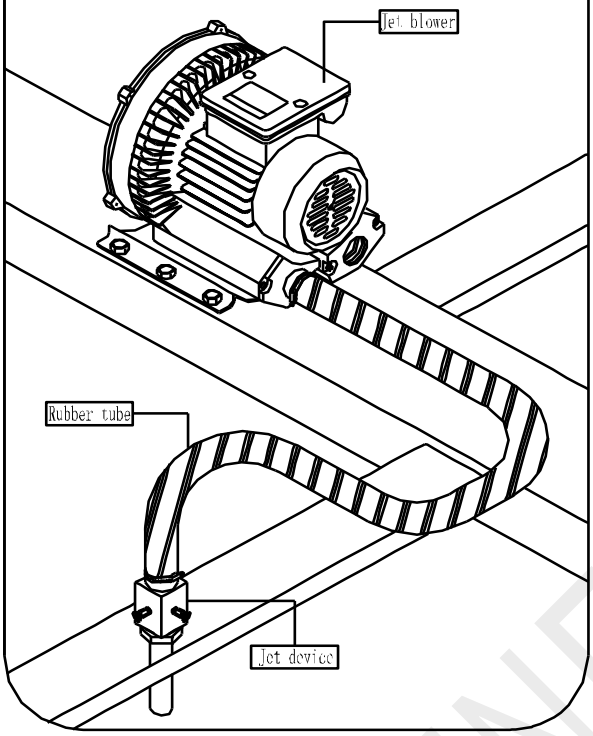


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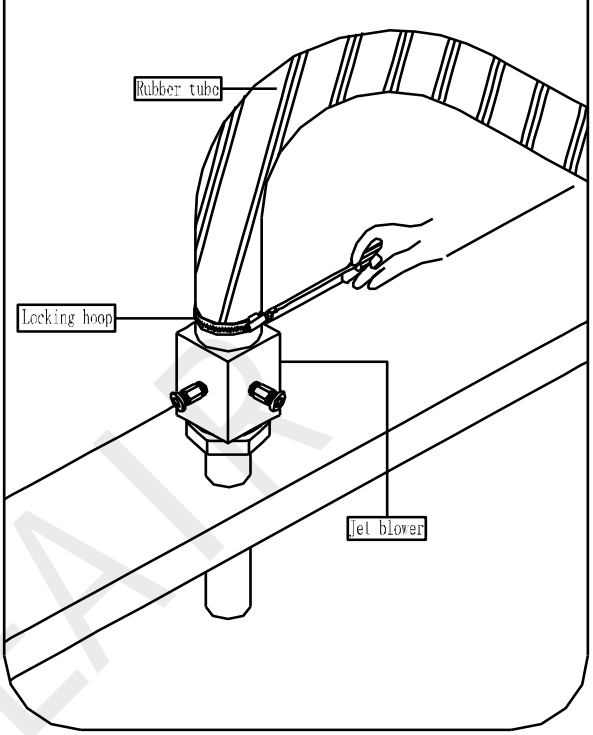
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9.2.7 Cleaning and maintenance method of jet device

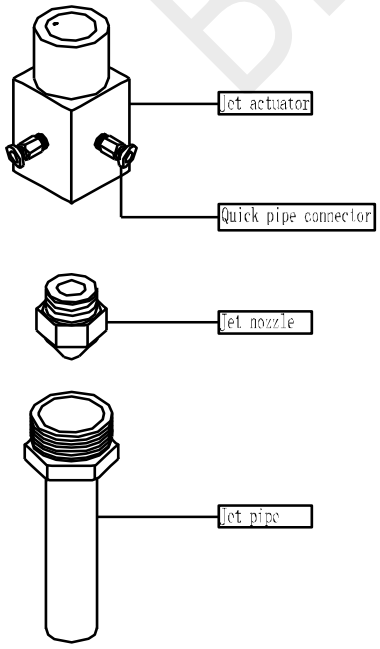
1 Diversion system of host seal leakage



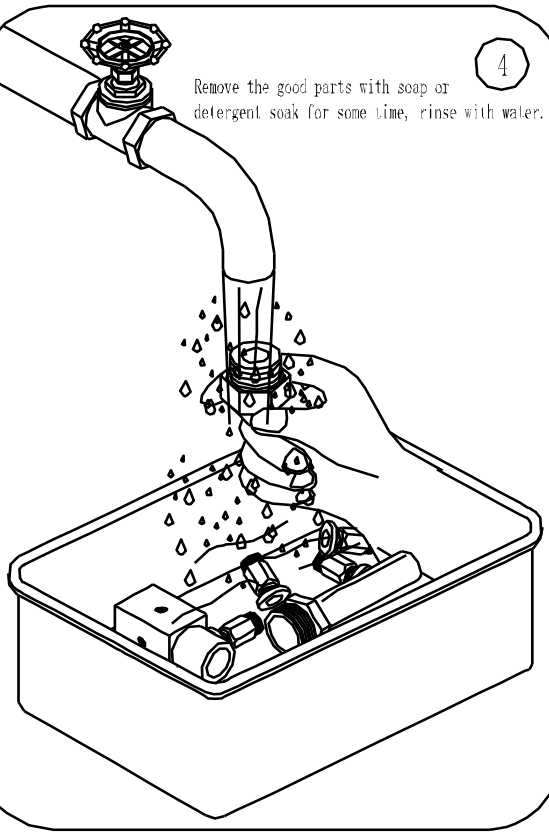
2 Use a screwdriver to remove the jet pipe hoop rubber tube.



3 With pliers and wrenches will jet complete disassembly



4 Remove the good parts with soap or detergent soak for some time, rinse with water.

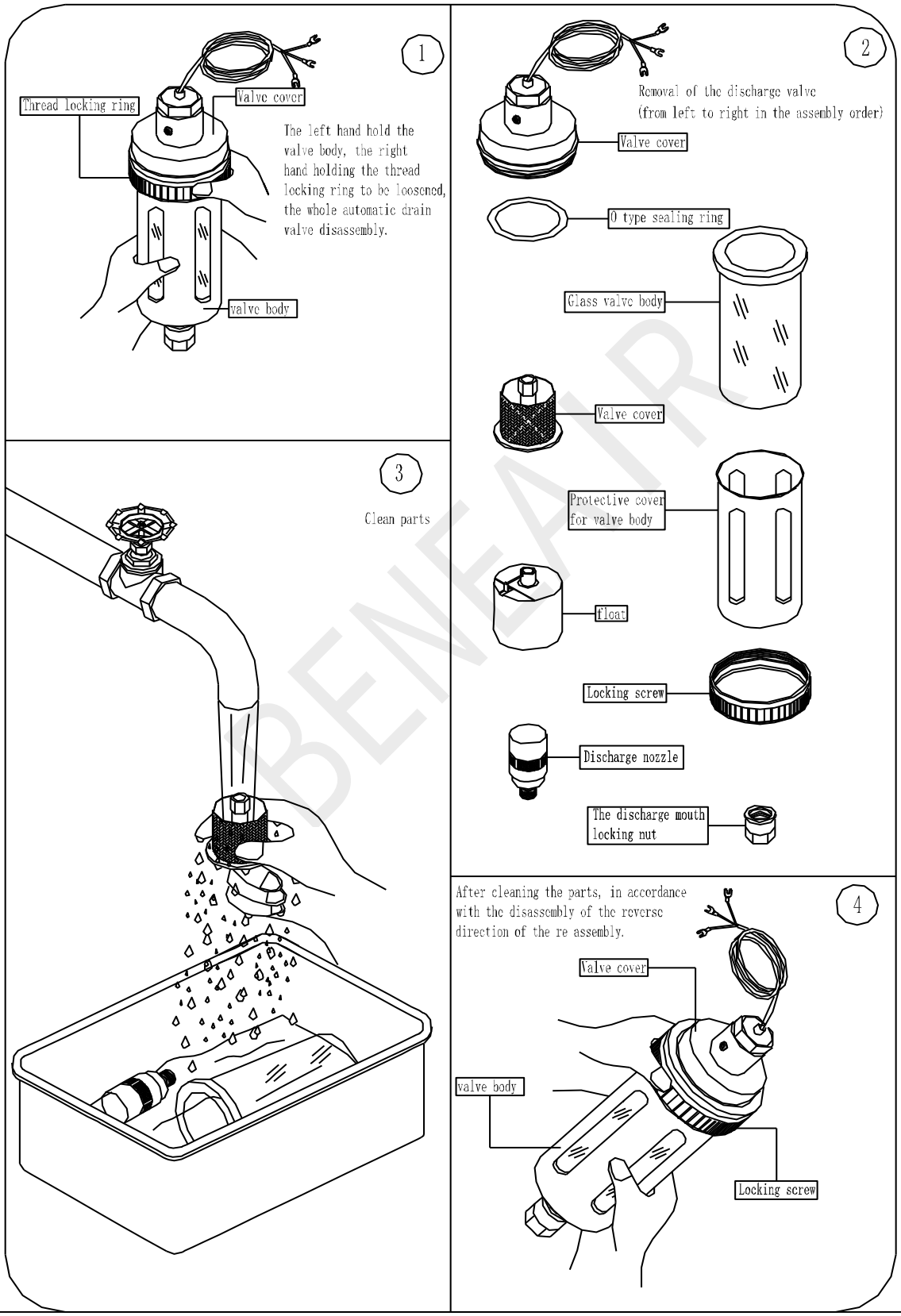


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9.2.8 Maintenance method of float type water level gauge

(Automatic water drainage device can refer to this figure maintenance)

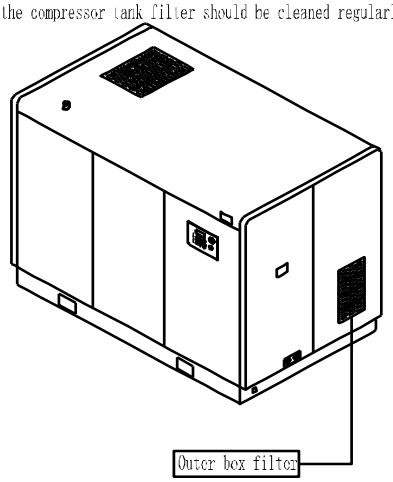


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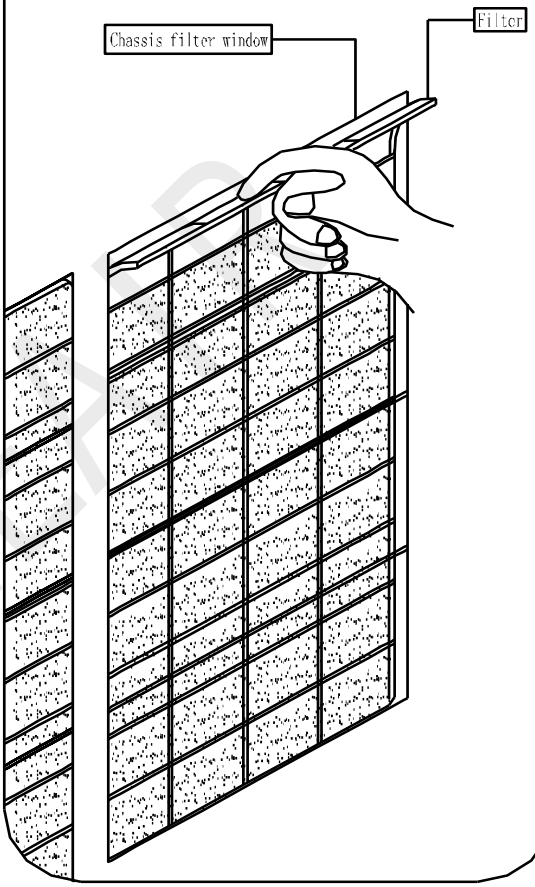
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9.2.9 Maintenance method of outside box net of compressor

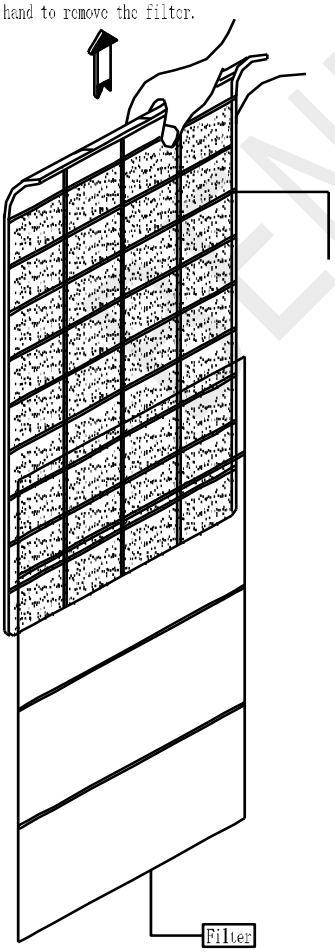
1 Outside the compressor tank filter should be cleaned regularly



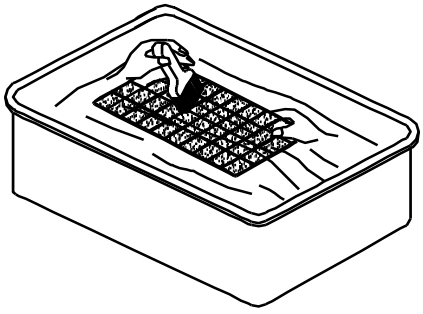
2 With the index finger into the filter window top hook filter net edge, remove the filter out.



3 Use the hand to remove the filter.



4 The filter in the soap solution or cleaning agents, in accordance with the graphical method after dry scrub clean, then installed in place.

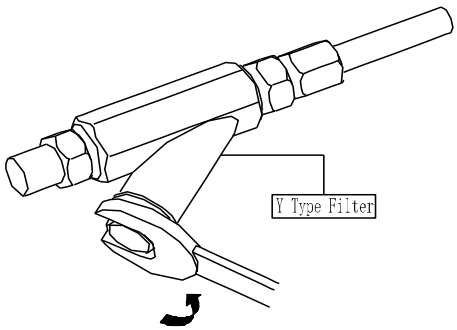


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9.2.10 Maintenance method of type Y Filter

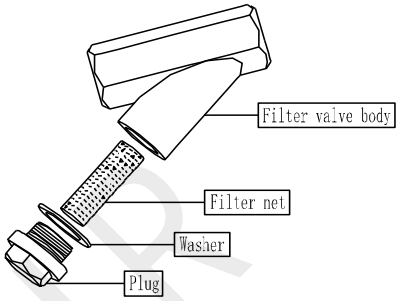
1

The top plug by wrench to remove the Y type filter



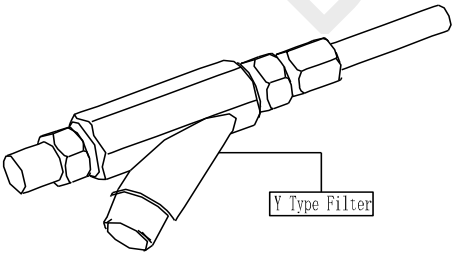
2

According to the diagram will be unloaded Y type filters and related parts, then wash the filter clean.



3

Reassemble the clean parts.



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