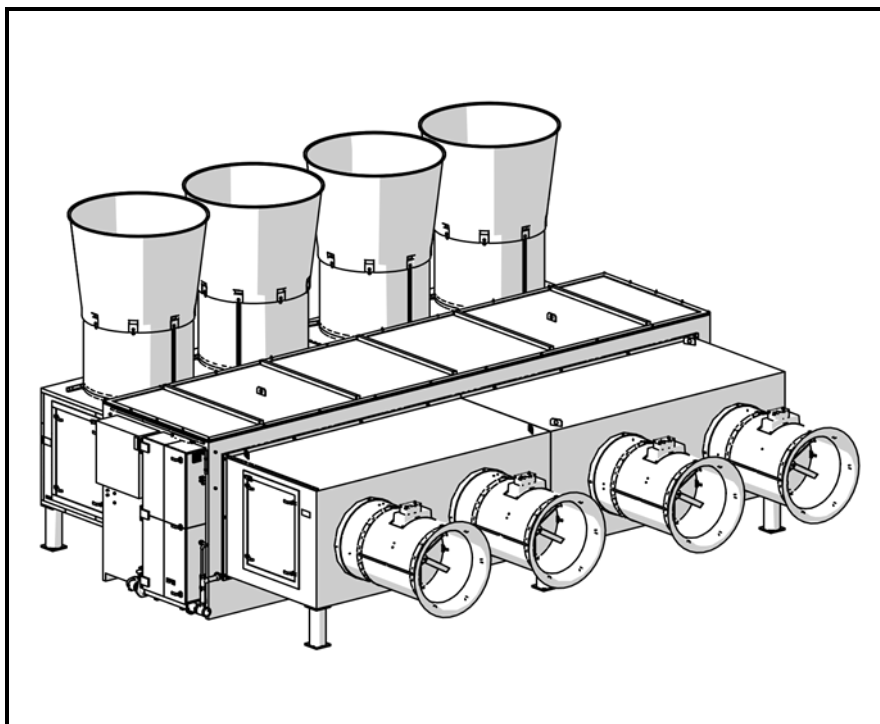


Maintenance Checklist

LAVAMATIC®
Drumwasher



LAVAMATIC®

Exhaust air washer

XL - 110.000 m³/h

REVENTA®
a Munters company

Daily maintenance

Lavamatic No.:

Location of the system:

Commissioning date:

Pos	Activity/ Task	checked	Comment
1	General visual inspection of the system	☐	
2	Leakage check (are liquids leaking out?)	☐	
3	Are there enough consumable supplies available? (Acid & Additives (defoaming agent))	☐	
4	Are the supply hoses (Acid & Additives) free from air bubbles? (If not - vent the hoses)	☐	
5	Is the circulation pump operating and pumping? (check controller display)	☐	
6	Is the pH value close to the target value of pH = 3 (+0.3)? (check controller display)	☐	
7	Check controller display for any pending error codes/messages. Correct errors (if any).	☐	
8	Is the drum rotating?	☐	
9	Visual inspection of the drum (requires opening of inspection doors).	☐	

Other comments:

Date

Name / Signature

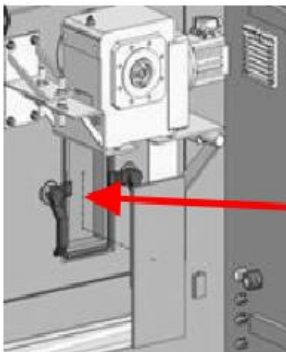
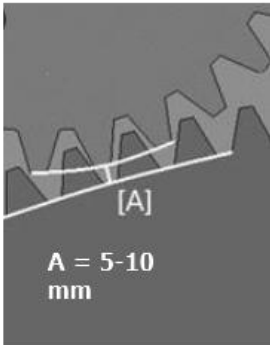
Monthly maintainance (every 4 weeks)

Lavamatic No.:

Location of the system:

Commissioning date:

Pos	Activity/ Task	checked	Comment						
1	Visual interior inspection of all three modules. Incrustations or build-up of dirt or salts must be removed.	☐							
2	Control measurement of the conductivity with an external measuring device. In case of deviations, calibrate or replace probe if necessary.	☐							
3	Calibration of the pH probe If it is not possible to calibrate the probe, the probe must be replaced.	☐							
4	Are the seals on the drum in order? If not, they should be replaced promptly.	☐							
5	<table><tr><td colspan="2">Motor</td></tr><tr><td>Stöber Antriebstechnik</td><td>Nord Drivesystems</td></tr><tr><td>Motor power consumption E00: _____ A E00 max = A If the specified value is exceeded, the mobility of the drum must be checked.</td><td>Motor power consumption P719: _____ A P719 max. = 1,8 A If the specified value is exceeded, the mobility of the drum must be checked.</td></tr></table>	Motor		Stöber Antriebstechnik	Nord Drivesystems	Motor power consumption E00: _____ A E00 max = A If the specified value is exceeded, the mobility of the drum must be checked.	Motor power consumption P719: _____ A P719 max. = 1,8 A If the specified value is exceeded, the mobility of the drum must be checked.	☐	
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7	Motor	☐
	Stöber Antriebstechnik Nord Drivesystems	
	Mechanical power E: _____ kW E max = kW If the specified value is exceeded, the mobility of the drum must be checked.	Mechanical power P727: _____ kW P727 max. = 0,4 kW If the specified value is exceeded, the mobility of the drum must be checked.
8	Check if the displayed fill level is correct.	☐
9	Check alarm log on the frequency inverter of the drum motor. Initiate corrective measures if necessary.	☐
10	Check alarm log on the central control display of the Lavamatic. Initiate corrective measures if necessary.	☐
11	Check all values / information on the central control display of the Lavamatic. Initiate corrective measures if necessary.	☐
12	Check distance, at operating temperature, between axial rollers and drum (approx. 10 mm on both sides = 20 mm total). If necessary, remove the spacer plates of the axial rollers.	☐
13	Check drive sprockets distance	☐
	 	

Date

Name / Signature

Basic Maintenance (see cleaning intervals below)

Cleaning Intervals

Broilers: 6 weeks
Layers: 8 weeks
Pigs: 12 weeks

Lavamatic No.:

Location of the system:

Commissioning date:

1	Performed monthly maintenance	☐
2	General visual inspection of the system	☐
3	Leakage check (are liquids leaking out?)	☐
4	Check operating fluids for filling level and refill if necessary. (acid, additives, etc.)	☐
5	Cleaning and checking the pressure sensor and supply lines.	☐
6	Performance test of the water meter.	☐
7	Performance test of the circulation pump.	☐
8	Checking the pH value of the process water, using a measuring device.	☐
9	Calibration of the pH value.	☐
10	Checking the conductivity probe, using a measuring device.	☐
11	Performance test of the solenoid valves and actuators.	☐
12	Stop the system and drain out ALL process water from the drum module.	
13	Clean the drum and drum module with 50°C warm water using a high-pressure cleaner (Max. 130 bar - flat spray nozzle). Clean drum from both sides (inlet and outlet side) and then turn drum 1/4 turn and clean from both sides again.	☐
14	Clean the supply air module, using a high-pressure cleaner (max. 130 bar - flat spray nozzle).	☐
15	Clean the exhaust air module, using a high-pressure cleaner (max. 130 bar - flat spray nozzle).	☐
16	Apply a commercially available alkaline liquid soap (grease and protein dissolving) to soak the drum thoroughly for minimum 30 minutes.	☐
17	Rinse/flush drum and drum module with 50°C warm water from both sides (inlet and outlet side) and then turn drum	☐

	1/4 turn and clean from both sides again and drain out all water from drum module.		
18	Visual inspection for damage and performance test of the drum.	☐	
19	Control of wear parts: ▪ Gear drive ▪ Gear drum ▪ Roller ▪ Drum seal at the side (black) ▪ Horizontal drum seal (blue)	☐	
20	Read database from controller and check for completeness	☐	
21	Checking the maintenance intervals based on the database	☐	
22	Documentation on the consumption of operating fluids (H ₂ SO ₄ , Additives)	☐	
23	Fill the system with fresh water to the target level and allow the drum to rotate for approx. 4 hours without dosing acid in order to clean the inside of the drum. Then switch the acid dosing back to automatic.	☐	
24	Motor Drum Check oil level	☐	
25	Check the injection valve and replace it if there is any discoloration on the acid hose.	☐	

Other comments:

Date

Name / Signature

Logging of special works

Lavamatic No.:

Location of the system:

Commissioning date:

Pos	Activity/ Task	Gepr.	Comment
1		☐	
2		☐	
3		☐	
4		☐	
5		☐	
6		☐	
7		☐	
8		☐	
9		☐	

Other comments:

Date

Name / Signature