

Getinge Clean Detergent Guide For Automated Cleaning

Detergent	Dosing Temperature	Wash Temperature	Dosage Range ml/L	Water Hardness			
				Soft	Low	Medium	Hard
Getinge Clean Enzymatic	35 °C	55 °C - 60°C	3ml - 10ml	3ml - 4ml	5ml - 6ml	7ml - 8ml	9ml - 10ml
Getinge Clean Universal	35 °C	55 °C - 60°C	3ml - 10ml	3ml - 4ml	5ml - 6ml	7ml - 8ml	9ml - 10ml
Soil Amount			Light	3ml - 4ml	5ml - 6ml	7ml - 8ml	9ml - 10ml
			Moderate	5ml - 6ml	5ml - 6ml	8ml - 9ml	10ml
			Heavy	8ml - 10ml	8ml - 10ml	10ml	10ml

Detergent	Dosing Temperature	Wash Temperature	Dosage Range ml/L	Water Hardness			
				Soft	Low	Medium	Hard
Getinge Clean Original	35 °C	55 °C - 60°C	3ml - 8ml	3ml - 4ml	4ml - 5ml	5ml - 6ml	7ml - 8ml
Getinge Clean Heavy Soil	35 °C	55 °C - 60°C	3ml - 8ml	3ml - 4ml	4ml - 5ml	5ml - 6ml	7ml - 8ml
Soil Amount			Light	3ml - 4ml	3ml - 4ml	5ml - 6ml	7ml - 8ml
			Moderate	3ml - 4ml	3ml - 4ml	5ml - 6ml	7ml - 8ml
			Heavy	4ml - 5ml	4ml - 5ml	7ml - 8ml	8ml

Detergent	Dosing Temperature	Wash Temperature	Dosage Range ml/L	Intended to neutralize Heavy Soil Detergent. Dosage depends on pH measurement of rinse water after the neutralization phase. Target is to have a similar pH of initial feed water
Getinge Clean Neutralizer	35 °C	40 °C - 60°C	1ml - 2ml	

Detergent	Dosing Temperature	Final Rinse Temperature	Dosage Range ml/L	Water Hardness			
				Soft	Low	Medium	Hard
Getinge Clean Rinse Aid	80 °C	90 °C	0,2 - 1ml/L	0,2 - 0,4ml	0,4 - 0,6ml	0,6 - 0,8ml	0,8 - 1ml
Washer Load			Partial	0,2 - 0,4ml	0,4 - 0,6ml	0,6 - 0,8ml	0,8 - 1ml
			Half Full	0,3 - 0,4ml	0,5 - 0,6ml	0,7 - 0,8ml	0,9 - 1ml
			Full	0,4ml	0,6ml	0,8ml	1ml

Detergent	Dosing Temperature	Final Rinse Temperature	Dosage Range ml/L	Washer Load		
				Partial	Half Full	Full
Getinge Clean Lubricant	80 °C	90 °C	1 - 2ml/L	1ml	1,5ml	2ml
Lubricant dosage will stay the same regardless of water quality						

Unit of Measure	Water Hardness Table			
	Soft	Moderate	Hard	Very Hard
mg CaCO ₃ /l	0 - 60	60 - 120	120 - 180	>180
dH° (German)	0 - 3.3	3.3 - 6.7	6.7 - 10	>10
f° (French)	0 - 6.0	6.0 - 12.0	12.0 - 18.0	>18.0
e° (English)	0 - 4.2	4.2 - 8.4	8.4 - 12.6	>12.6

This guide is to assist you in determining the correct parameters for automated cleaning processes (Time, Temperature, Detergent Concentration). Until further testing can be completed, washing temperatures will need to reflect those in the tables above. Washing time will be dependent on the program chosen. Factors such as how long soil has remained on the instruments e.g. allowed to dry, as well as water impurities other than calcium and magnesium will also play a role in the type and dosage of detergent needed for cleaning. Importantly, proper loading of instruments and utensils is another factor that should be taken into consideration for efficient cleaning.

If efficient cleaning can not be achieved with the Enzymatic Detergent than an increase in alkalinity may be needed. In this instance the Universal or Original Detergent can be recommended. For difficult cleaning challenges, the Heavy Soil Detergent with its high alkalinity may need to be used. Lastly, one should not forget material compatibility when recommending certain detergents and always revert to the manufacturers recommendations according to ISO17664.