





AquaPhase

The Importance and Benefits of the AquaPhase Chemicals

The AquaPhase range use a chemical disinfection application which is safer and more cost effective than high temperature thermal disinfection. The combination of chemicals used in the machines ensures effective cleaning, disinfection, and drying of equipment. These chemicals are formulated to remove difficult soils which reduce the need for chemical pre-treatment. The AQ chemicals are effective in killing a broad spectrum of micro-organisms including bacteria, fungi, and viruses.

	Descalant (AQ223)	1. Effective and quick removal of lime scale and other chemical build up in the machine pipework		
	Detergent (AQ243)	1. Effective removal of fats and proteins as a result of the alkaline properties of the detergent	2. The detergent formulation allows it to be used on aluminium products without damaging them	
	Rinse Aid (AQ263)	1. Encourages shedding of water from the surface of the equipment to help dry quicker	2. Helps reduce rusting from retained liquid in equipment tubing	
	Disinfectant (AQ283)	1. Broad spectrum Quaternary Ammonium disinfectant	2. Measured dosage ensures optimal and economic use	3. Helps prevent bacteria build-up in residual rinse water

Soluclean Pre-Cleaning Chemical for Direct Use on Equipment

Some equipment can be returned in a heavily soiled state, or covered with greasy oils. BES offers an all-purpose pre-clean detergent, Soluclean, to help to pre-clean particularly soiled equipment. Soluclean is an easy to prepare solution where a pre-measured water soluble sachet of concentrate is added to a spray bottle, and then topped up with water. Soluclean is an eco-friendly, and cost effective solution formulated to maximise the cleaning performance



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0117 966 6761
info@beshealthcare.net
www.beshealthcare.net



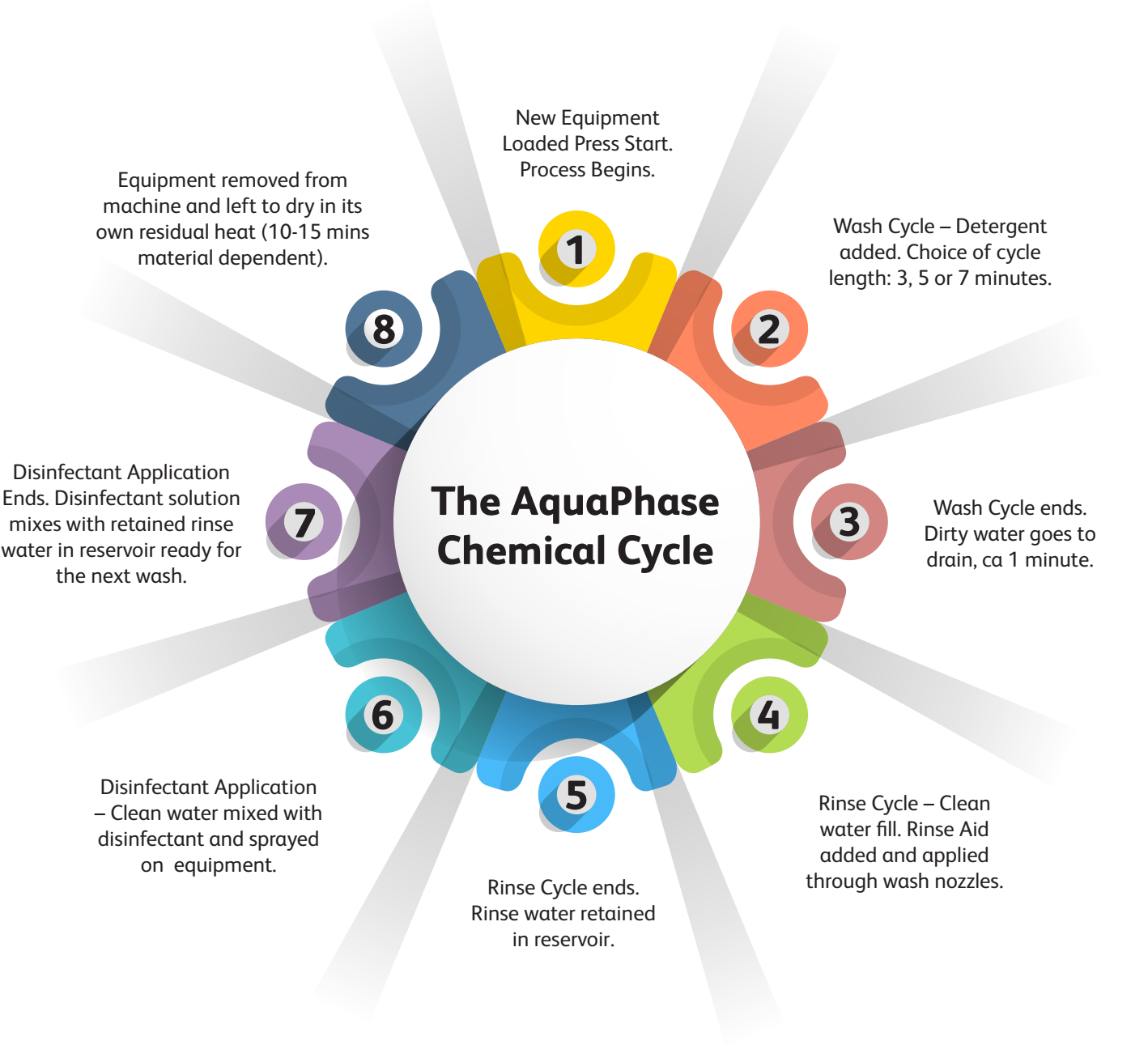
AquaPhase: The Chemical Cycle

AquaPhases go through a wash, rinse, and disinfectant application where optimal, measured dosages of chemicals are used for effective cleaning. The AquaPhase cycle begins with a wash cycle where the main reservoir fills up with clean water, or uses the rinse water from the previous cycle (see below). A measured amount of detergent is added to the main reservoir at the beginning of the wash cycle. After the wash cycle, the dirty water is drained out. The next phase is the rinse cycle where clean water is filled up in the reservoir and a measured dosage of rinse aid is added. After the rinse cycle is complete, the rinse water is retained for the next wash cycle.

The last phase of the cycle is the disinfect application where a measured amount of disinfectant is diluted with clean water. The disinfectant is sprayed on the equipment through dedicated pipework and nozzles.

The equipment surface dries with its own residual heat in approximately 10 to 15 minutes after removal from the machine at the end of a cycle.

The disinfectant which has not fallen on the recycled equipment will drain into the reservoir which is already filled with rinse water. This, in its turn helps to protect against build-up of bacteria in the water in the reservoir and pipework.



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