

# EzeFloc Polyaluminium Chloride Dosing System

**SIEMENS**

## Introduction

The EzeFloc polyaluminium chloride (PAC) dosing system is a skid mounted unit that significantly reduces installation time and cost. It provides dedicated dosing control of EzeFloc PAC which is extremely effective in achieving clear, sparkling pool water.

## EzeFloc System

Although chlorine and other disinfectants will destroy bacteria and oxidise organic materials in the swimming pool, these remain as suspended solids in the water, and are too small to be removed by sand filtration alone. This results in greater chlorine demand, and cloudy, dull-looking pool water. When dosed into the circulation system, EzeFloc PAC quickly forms a highly active floc which clumps the suspended solids together, preventing them from passing through the filter bed.

Because organic material and suspended solids are held on the filter bed, the water clarity improves immediately. Savings on chemical costs can be achieved as a result of a lighter pool loading, and less chemical addition has a beneficial effect on the Total Dissolved Solids (TDS) levels.

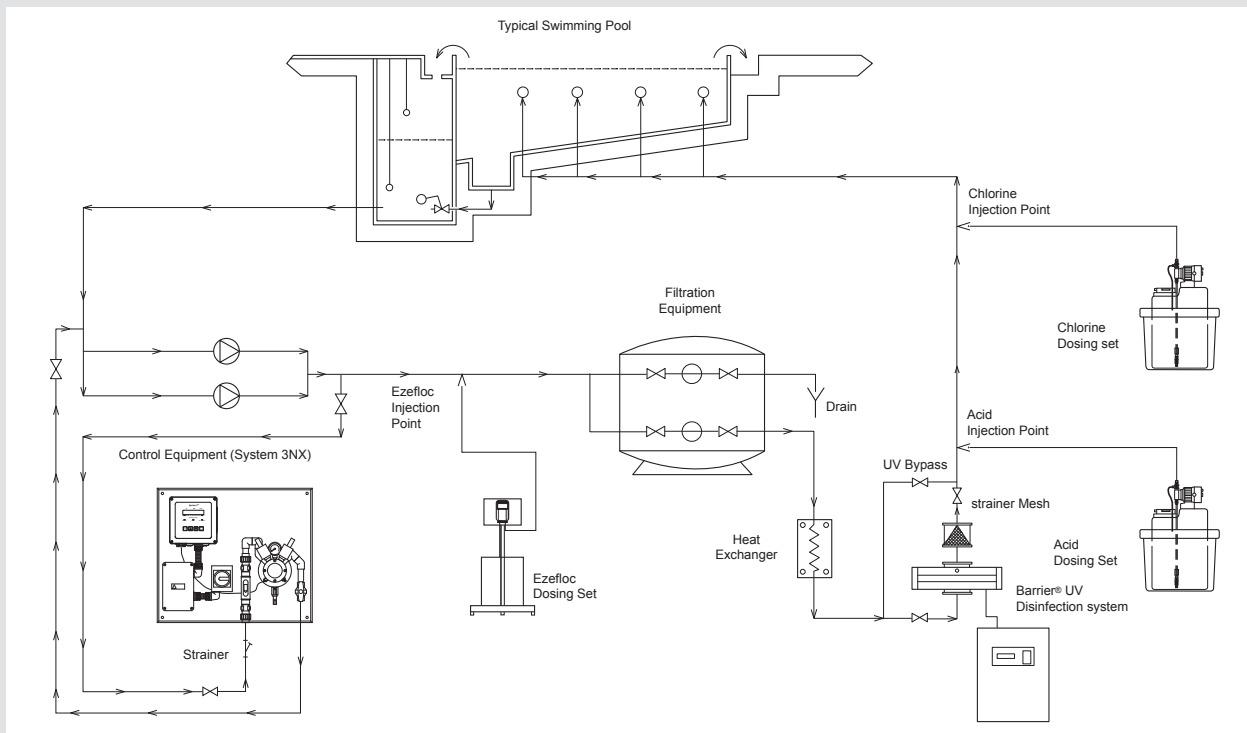
The ISRM and PWTAG recommend that a quality flocculant be used to prevent filter breakthrough of Cryptosporidium O-Ocyst for a 99.99% removal with optimised coagulation and medium rate filtration. At around 5-micron diameter, the parasite is retained in the filter preventing further contamination through re-circulation.

To optimise coagulation it is recommended that pH correction and disinfection chemicals be injected post-filter to maintain a stable pH in the pre-filter water flow.



## Benefits

- Reduced installation time
- Continuous feed - 24hr/day
- May reduce chemical consumption
- Used with drinking water inspectorate (DWI) approved PAC
- Reduced chemical handling
- No dilution required



## EzeFloc PAC Dosing Set

### Part No.: EZEFL0C1

For single pool applications of continuous PAC flocculation, complete with;

- Painted mild steel drum stand with drip tray and single pump mounting bracket
- One EzeTube™ Peristaltic Metering Pump
  - Output: 8 - 150 ml/hr
  - Back Pressure: 1.5 bar max.
  - Hose Connection: 6mm o.d. x 4mm i.d.
  - c/w injection anti-siphon valve and foot valve assembly
- One Drum of EzeFloc PAC

**Note: EzeFloc PAC may be used undiluted with these dosing sets for pools with over 40 m<sup>3</sup>/hr flow.**

**EzeFloc PAC cannot be used on high rate filters (30m<sup>3</sup>/m<sup>2</sup>/h).**

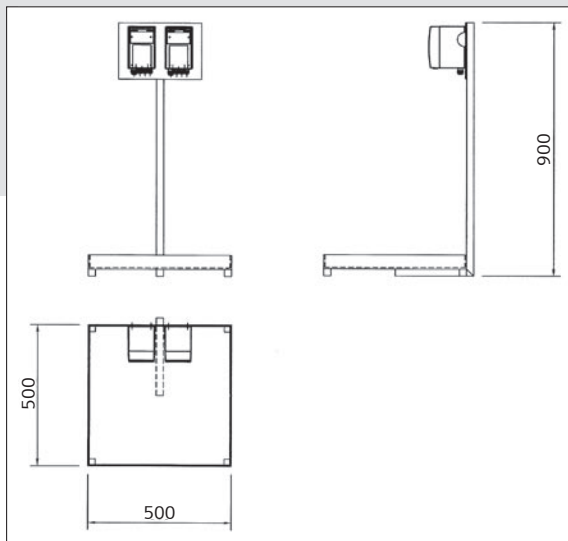
### Part No.: EZEFL0C2

For two pool applications of continuous PAC flocculation, complete with;

- Painted mild steel drum stand with drip tray and dual pump mounting bracket
- Two EzeTube™ Peristaltic Metering Pumps
  - Output: 8 - 150 ml/hr
  - Back Pressure: 1.5 bar max.
  - Hose Connection: 6mm o.d. x 4mm i.d.
  - c/w injection anti-siphon valve and foot valve assembly
- One Drum of EzeFloc PAC

For further information regarding the products included within these systems please request; EzeTube™ PP/PP-E Peristaltic Dosing Pump Product Sheet ST.040.800.000.GE.PS.0207.

GA diagram (not to scale)



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