DRINKING WATER

Plant Application Successful Experience

COAGULANT FLOCCULANT

A municipal drinking water treatment plant produces 45,000 m /day, supplying 200,000 inhabitants.

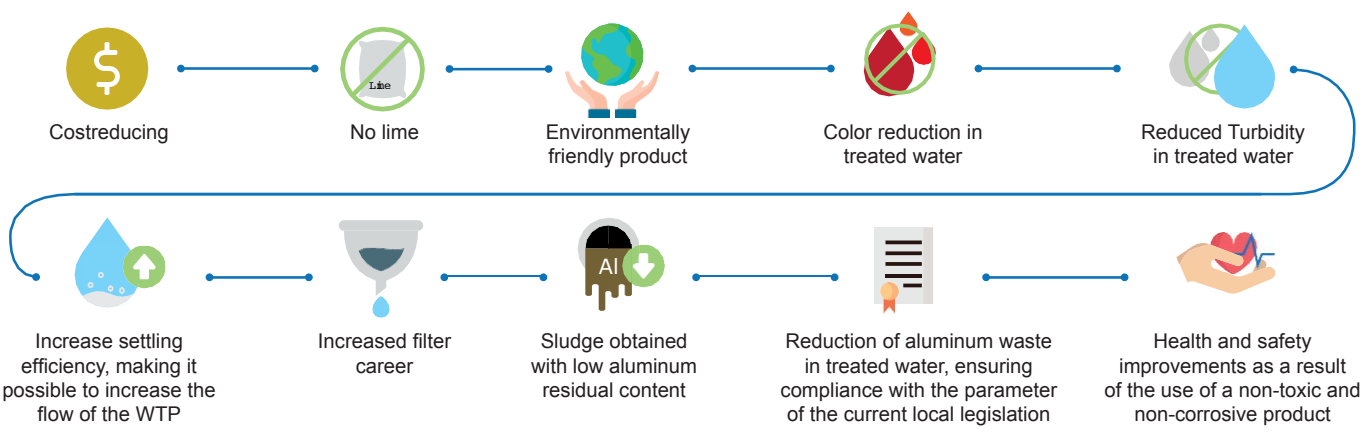
CURRENT TREATMENT

- Very high alum salt consumption;
- Treated water with very high alum salt residual after treatment, outside the drinking water standard;
- At high turbidity level, treatment must be stopped;
- Very small floc size;
- Low floc settling speed;
- Short filter career/row;
- High alkalinizing agent consumption;
- pH fluctuation;
- Intensive operation management;
- High cost.

AcquaPol REDUCES TREATMENT COST

- Acquapol is a metal-free vegetable organic coagulant/flocculant, fully biodegradable;
- Possibility to use as a single coagulant/flocculant agent;
- Does not affect the pH level;
- No need to use alkalinizing agents during treatment;
- Sludge free of metals that may be used as composte in agriculture;
- Works in a wide range of turbidity;
- Flocs with bigger size;
- Fast settling, increasing the treatment plant capacity;
- Increases the filter career;
- Low turbidity, low color;
- Less chemical handling.

	Dosage mg/L	PAM mg/L	Lime	Turbidity NTU (income 47 NTU)	pH (income 6.70)
Alum Salt Treatment	50 mg/L	2		**3.2**	**6.72**
Alum Salt + ACQUAPOL Treatment	12 mg/L	0		**1.2**	**6.70**
REDUCTION	**76 %**	**100 %**	**100 %**		



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