



Discover The Difference Here

## AWE-SCF (Sphere Crystal Filter)

An economical choice to protect water systems against scaling, corrosion & TSS.

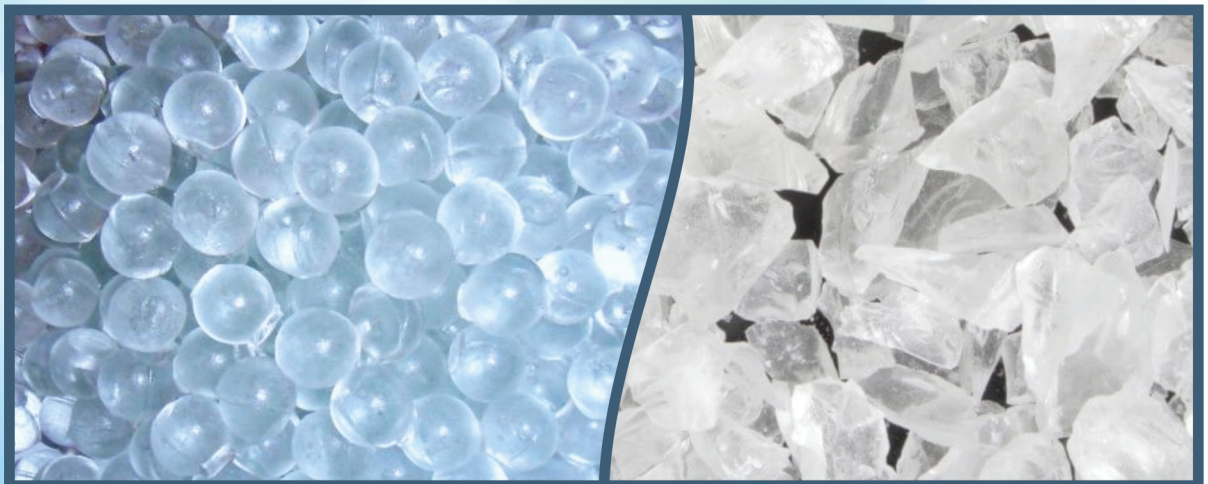
**AWE-SCF** is an economic and reliable water treatment system for potable and industrial water. It consists of glass-like polyphosphate silicate spheres or crystals and housing of variable size.

AWE-SCF prevents scale and stops corrosion & TSS. It utilizes the phenomenon that minute concentrations of polyphosphates are sufficient to inhibit the deposition of scale onto metallic surfaces. Because of its phosphate and silicate content **AWE-SCF** also inhibits corrosion by forming a thin protective layer on the metal surface.

An AWE-SCF concentration of 2 - 3 ppm is sufficient to achieve both of these effects. **AWE-SCF** will also slowly remove existing scale in old pipes if it consists of brown scale, i.e. Iron oxide. Hard scale, i.e. calcium carbonate cannot so easily be removed by AWE-SCF. Here the advantage is again that **AWE-SCF** will prevent further scaling up. Experience shows that scale and corrosion is not only found in MS & galvanized but also in SS and copper OR other oxidized metals surfaces. Even in plastic pipes one can find scale and deposits. As a rule of thumb one can say that 1 mm scale on the heating coils of a boiler, increases the energy cost by 15%. **AWE-SCF** consists of 100% active substance.

The use in tap water and other types of fresh water at the prescribed dosage is inoffensive. Soft waters are aggressive to metals and cause corrosion. Consequently the tap water turns brown. Leaks and burst pipes may be the result.

**AWE-SCF** can be installed in almost every water system. They require no electric installation and negligible maintenance. They only have to be replaced with **AWE-SCF** every 3 - 6 months & replacement is also very easy.







### The AWE SCF System Contains:



#### 1. SC-Spheres & Crystals

A sparingly soluble glass - like polyphosphate silicate combination of highest purity.

#### 2. AWE SCF Housing

The housings are installed in the water system and filled with the AWE SCF Spheres & Crystals. The tap water flows through the housing and dissolves minute quantities of polyphosphates.

#### 3. Spun Filter

The PP Spun Filter outside SC which can give you filtered water so easily controlled any suspended solids in the water. This filter don't cause a critical pressure drop until and unless increase the input TSS load may be abnormally change. AWE SC filter normally replaced or wash approx. 2-8 months, this depends on the individual installation.

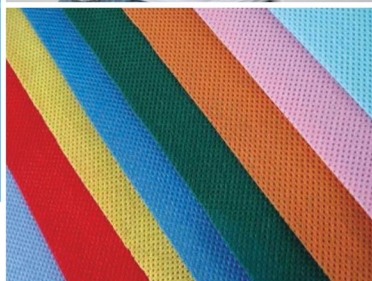
**AWE SCF SYSTEMS** have been installed with great success in private houses, hotels, office Buildings, schools and hospitals for the treatment of potable water. They are also applied in small and medium sized industrial estates for the treatment of cooling systems, autoclaves, machine cooling etc.



### Physical and Chemical Properties:

No.	Item	Spec.
1	Bulk Density	1.7±0.1 g/ cm <sup>3</sup>
2	pH Value	7.0±0.5
3	P2O5 Content (%)	61 ~ 69%
4	Na <sub>2</sub> O Content (%)	20 ~ 30%
5	CaO Content (%)	7 ~ 15%





## SPHERE-CRYSTAL POLY PHOSPHATE FOR WATER TREATMENT

### 1) What is Sphere-Crystal Poly Phosphate?

- Sphere-Crystal Poly Phosphate is a water treatment compound, a glass-like Polyphosphate containing Sodium, Calcium Magnesium and Silicate, formulated specifically for the treatment of water problems. It is shaped into unique spheres and packed in 25 kg cartons or 50 kg PE-drums.

### 2) What will Sphere-Crystal Poly Phosphate do?

- Basically it will do four things:
- It will prevent so-called 'brown' or 'red' water,
- It will stop corrosions of plumbing and bathroom fixtures;
- It will eliminat hardness scaling;
- It will save you considerable costs on plumbing and installation repairs;

### 3) Does Sphere-Crystal Poly Phosphate remove hardness and iron from water?

- No, it is known as a sequestering agent.
- That is, it "ties up" hardness and renders it harmless. It prevents the formation of brown water caused by oxidation of the iron pipes.

### 4) How does Sphere-Crystal Poly Phosphate prevent corrosion?

- It forms a thin protective layer on the inside of pipes and metal parts. This film or layer is microscopic in thickness and will not build-up with time.

### 5) Is this compound dangerous or harmful to use?

- No. All components used in Sphere-Crystal Poly Phosphate are 100% pure food grade materials.

### 6) Will Sphere-Crystal Poly Phosphate change the taste of water?

- No. It is colourless, tasteless and odourless in the concentrations recommended for treatment. Coffee and tea might even taste better

### 7) Can we measure inlet & outlet water testing parameters of SCF?

- No, it's only conditioning water quality and do not remove any minerals out of it..

### Benefits:

- 1) Reduce maintenance cost
- 2) Increase Product Life
- 3) Help to maintain clothes brightness and softness
- 4) Makes conditioning your hairs and skin



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