

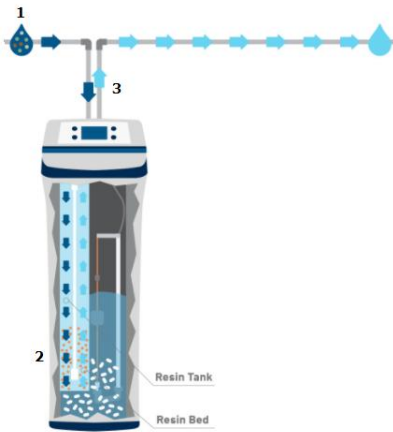
SF – WATER SOFTENERS

DOMESTIC

Description

Water is considered as **Hard Water** if it contains dissolved compounds of higher levels of calcium and magnesium. Hard water may cause two main problems;

- ⊕ Hard water may cause 'scale' to form on various areas such as the inside of pipes, water heaters, calorifiers, boilers, laundries, kitchen and baths. The calcium and magnesium precipitates out of the water and it forms a build-up of hardness scale. The scale does not conduct heat well and it also reduces the flow through pipes. Eventually, pipes and other equipment can become completely blocked.
- ⊕ Hardness causes the development of an insoluble sticky precipitate in water, thus preventing the soap's ability to lather. Since soap is widely utilised for washing and showering purposes, hard water makes the wash or shower less productive. For instance in laundries, more soap will be required that adds in the operating costs.



TUA Engineering provides a solution to hard water for residential purposes by implementing a **Water softener**;

STEP 1: Hard Water Enters the Water softener.

STEP 2: During normal operation, the calcium and magnesium ions are retained within the softener by the softening resin. During the re-generation process, the sodium ions in the resin bed attract the hard water minerals, resulting in the removal of the hardness compounds.

STEP 3: Soft Water Enters Your Home.

Standard Features

- ⊕ Available models
 - ⊕ SFC008T/V - 8 Litre cabinet available with or without cover
 - ⊕ SFC021T/V - 21 Litre cabinet available with cover
- ⊕ High Quality **GRP Vessels**
- ⊕ **Pentair 255/740 – 255/760 Autotrol** Valves
- ⊕ Available in Volumetric (V-Model) or Chronometric control (T-Model)
- ⊕ Include a ¾" mixer type connection

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8L without Cover / 8L with Cover / 21L with Cover

Application

The **SF – Water Softeners** are for residential use. The size of the model that best suit your needs depends entirely on the hardness of the water and the volume of water consumed per day. In order to define which model applies, TUA Engineering specialists must test the water where the softener will be installed and advice you on the model that is appropriate to fulfil the necessary requirements.

Dimensions / Capacity

- ⊕ **Model SFC008T/V** ; 24cm (L) X 43.5cm (W) X 44cm (H) ; 40-50 m³F^o
- ⊕ **Model SFC021T/V** ; 32cm (L) X 50cm (W) X 114cm (H) ; 100-120 m³F^o

Notes

- ⊕ Other Valves including **SAITA™**, **FLECK™**, and **ERIE™** are also available upon request.
- ⊕ Other sizes of softeners are available by request, up to a maximum mean capacity of 12,000 m³F^o per vessel (with GRP vessels), suitable for industrial purposes. Contact us if you need an industrial water softener solution