

# **SPECIAL<sup>™</sup> - NAC**

*- Very Professional*

## **Ultimate Scale Prevention Technology for Big commercial and Residential Applications**

### **SPECIAL SERIES:**

Provides the perfect solution for protecting every equipments against lime scale buildup.



#### **Benefits**

- Cost-effective service life, 2 – 3 years
- Easy-Only one connecting head, quick filter change
- High flow- and highest capacity sufficient for

SPECIAL ONE – connection ½" – flow rate 1.0 m<sup>3</sup>/h

SPECIAL TWO – connection ¾" – flow rate 2.0 m<sup>3</sup>/h

SPECIAL THREE – connection 1" – flow rate 3.0 m<sup>3</sup>/h

#### **Applications**

##### **Food service & institutional**

- Coffee and Tea Brewers
- Espresso Machines
- Steam ovens
- Proofing ovens
- RO Pre-treatment

##### **Residential**

- Whole house Scale Prevention
- Water Heaters
- Tank-less water heaters
- Bath and shower

##### **Commercial/Industrial**

- Hotels, Hospitals, Apartments
- Car washes
- Catering services
- Cooling Towers
- Evaporators & Humidifiers

#### **SPECIAL-NAC (Nucleation Assistance Crystallization)**

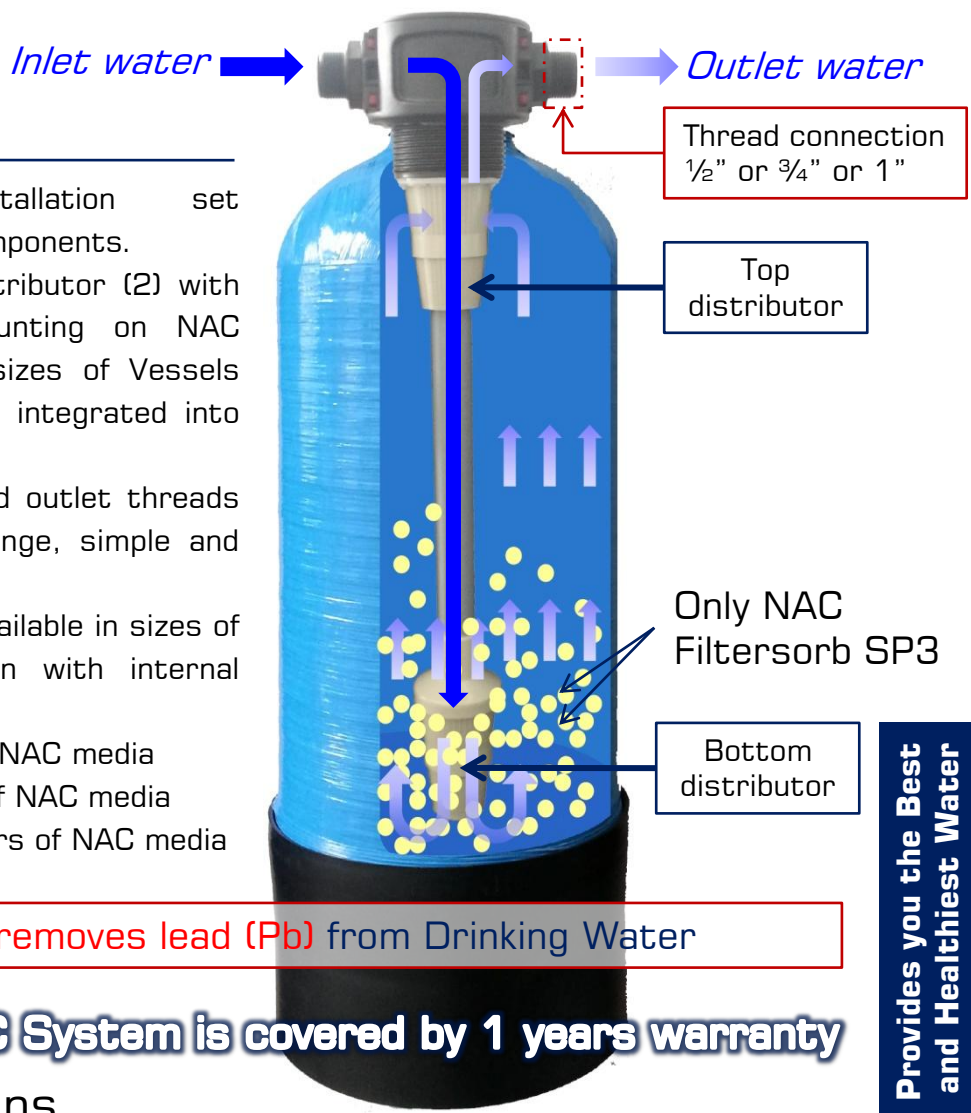
##### **Adds**

- No chemicals like Sodium and Hydrogen ions to assure keeping all minerals in the water, which are very essential for humans and pets
- Maintaining essential minerals in the water that provides benefits to customers' health while also creating high-quality drinks, tastes and flavors.

## Installation Set

The SPECIAL-NAC installation set comprises the following components.

- NAC Head (1) with top distributor (2) with 2½" outer thread for mounting on NAC Vessels (3) suitable for all sizes of Vessels with inlet and outlet threads integrated into NAC Head.
- Bracket (4) to hold inlet and outlet threads and to do – Quick Filter change, simple and easy.
- SPECIAL-NAC system are available in sizes of **ONE-TWO-THREE** and so on with internal thread for screwing NAC Head
- SPECIAL **ONE** = One liter of NAC media  
SPECIAL **TWO** = Two liters of NAC media  
SPECIAL **THREE** = Three liters of NAC media



SPECIAL System removes lead (Pb) from Drinking Water

**Note: All SPECIAL-NAC System is covered by 1 years warranty**

### Operating conditions

SPECIAL- NAC Technology				
SPECIAL-NAC		ONE	TWO	THREE
Inlet/outlet	inches	½	¾	1
Flow rate	m³/h	1	2	3
	gpm	4.4	8.8	13.2
Working pressure		2 – 8 bar (29 – 116 psi)		
Temperature		5°C to 50°C (41°F to 122°F)		
Working life	Year(s)	<b>One*</b>	<b>Two*</b>	<b>Three*</b>
Regeneration		No	No	No
Waste water		No	No	No
Electrical connection		N/A	N/A	N/A
Max. Chlorine content	mg/L (ppm)	0.5	0.5	0.5
Max. Copper	mg/L (ppm)	1.5	1.5	1.5

*\*Depending on the Inlet water parameters*

# Much More Benefits of **SPECIAL-NAC**

## Environmental Benefits

### Function of the System:

#### USE

SPECIAL-NAC systems are used to treat Temporary water hardness to avoid any scale in water and it is certified to ANSI/NSF-61 by WQA. NAC media reduce the scale content of drinking water, thus protecting all water related equipments. It's very important to know that the system is not based on Ion-Exchange technology which removes all precious minerals, the taste of Food and aroma of drinks is improved much more.

#### DESIGN

The tap-water (inlet) flows to the Vessel through Riser-tube with bottom distributor (Special Bottom distributor) in fluidized bed of Filtersorb SP3. In this volume area the temporary hardness  $\text{Ca}(\text{HCO}_3)_2$  changes in to very precious crystals of  $\text{CaCO}_3$  which are non-dissolvable in water and cannot make scale any more. Good quality of  $\text{H}_2\text{O}$  dissolves any coffee, tea, juices and giving the water best taste and aroma. Depending on the permanent hardness of the tap-water, system life can give huge amount of reduced scale depending on the amount of media inside the vessel.

#### Proper Use

The NAC system is used solely to treat Temporary Hardness (prevent the lime scale build up) of tap water or drinking water quality and to remove - Odors, Tastes and Suspended particles including chlorine, it's very important to install **Rebecca Activated Carbon Cartridge** in front of the system.

For more information please visit [www.rebeccafilter.com](http://www.rebeccafilter.com)

#### DISPOSAL:

There is no disposal of the system, the system is exchanged in less than 3 to 5 minutes after exhaustion. This helps and protect the environment.

#### Material Selection

Any material can be selected to install the system. Remember the system doesn't add any acids or sodium in to the water. WatchWater recommends not to use any ion-exchange systems if components made from copper, granulized chromium plated or nickel plated materials. All these corrosion metals are very toxic for human health.

#### Replacement

After ONE, TWO or THREE years as to the size of the system regardless of the filter use.

- Replace Filter Head – After 10 years
- Replace Pressure Hoses – After 5 years
- Check for leakage – Monthly



# THANKS FOR BUYING THE PERFECT *SPECIAL* SYSTEM !

## ENVIRONMENT

Nucleation Assisted Crystallization (NAC) has proved that it's the only Scale-Prevention technology which is Effective, Salt-free, chemical free and treats water hardness minerals (Temporary hardness) into healthy CaCO<sub>3</sub> crystals. In very simple understanding, these crystals cannot stick to any metal or piping material and cause scale. It is certified to ANSI/NSF-61 drinking water.

Watch-Water manufactures Filtersorb SP3 since 2004 and more than 3 Million Systems are installed worldwide. The only media in the world with its Test-Kit (**Clear Yellow**). No other Scale-Prevention or Scale-Treatment systems can be tested or has any method to test. Why? Ask this from your Scale-Prevention system provider or Media Manufacturer.

## Technical Data

Model: SPECIAL-NAC		ONE	TWO	THREE	Over THREE
Total Height with head	mm	525	485	655	On request!
Total height without head	mm	475	435	605	
Connection height	mm	500	460	630	
Installation length	mm	160	160	160	
Vessel diameter	inches	6	8	10	
Vessel height	inches	18	17	23	
Weight of complete system	kg	3.2	4.3	6.0	
NAC media amount	Liters	1	2	3	

### Manufactured by:



**Watch<sup>®</sup> GmbH**  
A Water Company

Fahrlachstrasse 14, Mannheim, D-68165, Germany

Tel: +49 621 87951-0  
URL: [www.watchwater.de](http://www.watchwater.de)  
Email: [info@watchwater.de](mailto:info@watchwater.de)

### Global distributor

**Watchh2o Limited**

Rauter House, 1 Sybron Way  
Millbrook Inds Est, Crowborough, East Sussex.  
TN6 3DZ. United Kingdom

Tel: +44 1892 69628  
URL: [www.watchh2o.com](http://www.watchh2o.com)  
Email: [sales@watchh2o.com](mailto:sales@watchh2o.com)

### Distributed by:

Address:

Tel:  
Fax:  
URL:  
Email:

**Join the Team Today!**  
**With us your water is safe & healthy.**



All details on SPECIAL-NAC Home Page [www.watchh2o.com](http://www.watchh2o.com)