



Environmentally Friendly Anti-Scale Systems

Applications

Residential Homes
Apartments
Hotels
Industrial Boilers
Hospitals
Restaurants
Food Service
Car Washes
Office Buildings
Distillers
Humidifiers
RO Pre-treatment

Systems from
10 gpm to 500 gpm



Introducing **SCOUT** from AdEdge Technologies, the latest advancement in **anti-scale** technology for small water systems.



Chemical-Free
Anti-Scale Systems

Environmentally Friendly

Virtually maintenance free, **SCOUT** systems from AdEdge provide treatment and protection to water systems battling scale build-up on surfaces in water lines, fixtures, boilers and other water treatment equipment. SCOUT systems require no chemicals, electricity, or backwashing, resulting in energy and water conservation. What's more, vital healthy minerals remain active in the water.

AdVanced Technology

The proprietary media used in Scout systems acts as a catalyst by accelerating the transformation of calcium and magnesium into harmless "Nano" crystal particles. Because the hardness minerals have been transformed into nanoscopic particles, they make their way through the system without attaching to pipes, fixtures, valves or other equipment. Over time, existing scale build-up will slowly dissolve and build-up will be eliminated.

Virtually Maintenance Free - No Electricity, Chemicals or Salt Required
No Regeneration, No Backwashing - No Wasted Water or Brine Discharge
Improves Flow Rates for Additional Efficiency
Promotes Longer Pipe, Valve & Equipment Life
Green Technology - Water is safe for downstream processing
Ideal for areas where brine discharge is not allowed
No Valve - No Programming - No Moving Parts
Treats Both Cold and Hot Water
Less installation time & labor
Fewer Parts - Fewer Service Calls
Small Foot Print with High Flow Rates
Long Media Life



Models & Sizing Commercial, Residential, Hot Water

Commercial

Model #	Tank Size	gpm
CW844-10	8 X 44	10
CW948-12	9 X 48	12
CW1054-15	10 X 54	15
CW1248-20	12 X 48	20
CW1354-25	13 X 54	25
CW1465-30	14 X 65	30
CW1665-40	16 X 65	40
CW1865-50	18 X 65	50
CW2162-70	21 X 62	70

Residential

Model #	Tank Size	gpm
RW844-10	8 X 44	10
RW948-12	9 X 48	12
RW1054-15	10 X 54	15
RW1248-20	12 X 48	20
RW1354-25	13 X 54	25

Hot Water

Model #	Tank Size	gpm
HW817-8	8 X 17	8
HW918-12	9 X 18	12
HW1019-15	10 X 19	15
HW1248-30	12 X 48	30
HW1354-40	13 X 54	40
HW1465-50	14 X 65	50

Larger Flow Options Exist - Ask AdEdge representative for details.

Technical Specifications & Operating Conditions

Matrix	Polyacryl Network
Appearance	Small light yellow/beige balls
Surface	Ceramic Template Surface
Moisture Content	24 to 28%
Density	1.18 to 1.22 kg/L or 74-75 lbs/cu ft.
Weight	650g/L
Media Particle Size	550 to 750 µm (approx. 20 x 40 mesh)
Bed Depth	4 - 12 inches depending on flow rate
Free Board	200% of Bed Depth (minimum 20")
Change in Volume	Maximum 60%
Capacity	1 Liter of media for 3-4 gal/min water flow.
Daily Use	Media can be used 20 hours a day. (4 hours rest maximizes media life). No need for regeneration or back flushing when the water flows upward.
Lifetime*	Typically 3 - 5 years depending on the amount of chlorine in the water

* If chlorine levels can exceed 3 ppm a GAC filter is recommended.

Feed Water Chemistry Requirements

ph	6.0 to 9.0
Hardness (maximum)	75 grains (1300 ppm CaCO ₃)
Water Pressure	15psi to 100psi (103 kPa to 6.9 bar)
Temperature	41°F to 140°F (5°C to 60°C)*
Chlorine	< 3 ppm
Iron (maximum)	0.3 mg/l
Manganese (maximum)	0.05 mg/l
Copper (maximum)	1.3 mg/l
Oil & H₂S	Must be removed prior to SCOUT systems
Silica	< 10 ppm
Phosphate	Must be removed prior to SCOUT systems