

#### General

The AQUA lime dissolver should be installed on the input pipe, as close as possible to the water supply. For installations in a building, this is usually immediately after the meter, and before a separation (if any) into smaller pipes. This system is suitable for both horizontal and vertical pipes, made from metal or plastic.

Both ends of an inductive winding around the pipe are connected to the lime dissolver. Next to this central coil there are 2 x 2 capacitive windings, which are connected at one side only. Also, the AQUA-5000 works with 5 coils (windings), that have 6 wires connected.

**Note:** Choose the correct wire configuration, depending on the pipe diameter (see diagram).

Delivery includes: 1 roll cable, 6 terminal connectors, 10 cable binders, 4 screws + wall plugs.

#### Installation instructions

1. Select a free spot of minimum 50 cm on the water-input pipe.
2. Mount carefully the lime dissolver close to this location, preferably to a wall.
3. Clean the selected part of the pipe, and remove paint (if any).
4. In the middle of the free spot, make a coil of 19 windings around the pipe.
5. Fix the outside ends of the coil winding to the pipe, using cable binders.
6. Cut off connection wires to maximum 100 cm, and attach terminal connectors.
7. Make capacitive coils, one left and one right, with 2 cm free space between all coils.
8. Verify that all windings have the same direction (see diagram).
9. Fix the capacitive coils (6 windings each) onto the pipe, using cable binders.
10. Attach terminal connectors to the inner wire ends, which are max. 100 cm long.
11. Cut off the other wire ends, just outside cable binders (these ends are not connected).
12. Attach four terminal connectors to the lime dissolver, as shown in the diagram.
13. Make sure that the cables to the lime dissolver are free from any mechanical force.
14. Plug power cord into 230 V. And LED indicates that the lime dissolver is in function.

#### General

Dizolvatorul AQUA se instaleaza pe conducta de intrare, cat mai aproape posibil de sursa de alimentare cu apa. Pentru instalatii in imobile, cel mai indicat este sa se instaleze dupa apometru si inainte de ramificare (daca exista) in mai multe conducte. Aparatul este potrivit atat pentru instalarea pe conducte orizontale cat si pe conducte verticale, metalice sau din plastic.

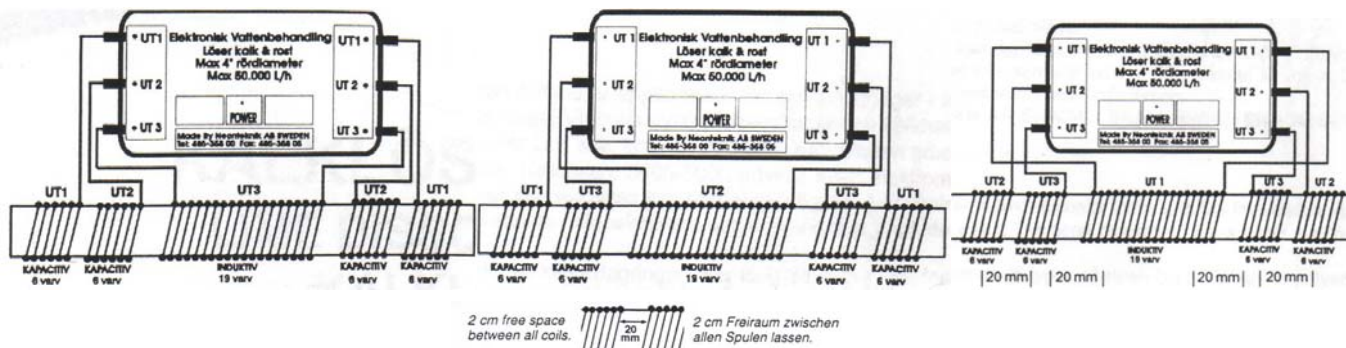
Ambele capete ale unei infasarari inductive in jurul conductei sunt conectate la unitatea electronica a dizolvatorului. In imediata apropiere a acestei infasarari centrale sunt 2x2 infasarari capacitive, care sunt conectate numai la un singur capat. Deci, AQUA 5000 lucreaza cu 5 infasarari, care au 6 cabluri conectate la unitatea electronica.

**Observatie:** Alegeti corect configuratia infasararii in functie de diametrul conductei (vezi diagrama).

Incluse in livrare: o rola cu cablul pentru infasarari, 6 conectori terminali, 10 bride de plastic, 4 suruburi + dibluri pentru perete.

#### Instructiuni de instalare

1. Alegeti o portiune libera de minim 50 cm pe conducta de intrare.
2. Montati cu atentie unitatea electronica a dizolvatorului cat mai aproape de locul de montare pe conducta, de preferat pe perete
3. Curatati portiunea de conducta de rugina, impuritati si vopsea (pentru protejarea conductelor metalice pe aceasta portiune impotriva ruginii, in conditiile unui mediu cu umiditate ridicata si risc de condens, se recomanda vopsirea portiunii de conducta cu vopsea tip grund/miniu)
4. Incepand din mijlocul portiunii curatate de pe conducta, faceti o infasurare de 19 spire
5. Fixati capatul exterior al infasararii pe conducta, folosind bridele de plastic
6. Taiati cablurile de cuplare la maxim 100 cm, si cuplati conectorii terminali la unitatea electronica
7. Faceti infasararile capacitive, la dreapta si la stanga, pornind de la exterior catre interior si cu 2 cm spatiu lasat intre infasarari
8. Verificati ca toate spirele sunt infasurate in aceeasi directie (vezi diagrama)
9. Fixati infasararile capacitive (6 spire fiecare) pe conducta, folosind bridele de plastic
10. Atasati conectoarele terminale la capetele dinspre interior ale cablului, care trebuie sa fie maxim 100 cm lungime (cat mai aproape de unitatea electronica)
11. Taiati celalalt capat al cablului, chiar inainte de brida de plastic (aceste capete nu sunt conectate)
12. Cuplati cei patru conectori terminali la unitatea electronica a dizolvatorului, cum arata in diagrama
13. Asigurati-va ca, cablurile care merg la unitatea electronica a dizolvatorului nu sunt supuse la forte mecanice
14. Conectati aparatul la 230 V. Lampa indicatoare va indica ca aparatul functioneaza.



### Function and principle

The AQUA lime dissolver prevents building of lime, without affecting the taste of the water. All positive characteristics of the water, including minerals, are maintained. The lime dissolver produces a modulated low frequent field in the water flow inside the pipe.

AQUA also dissolves existing lime deposits in the pipe circuit. Depending on the amount of pollution, this process could take 1 to 6 months. During this period, loose lime parts could cause some problems in taps. Shortly after a lime dissolver has been installed, the color of the water may change temporarily. This in fact proves the effectiveness of the system.

This is a reliable and environment friendly method, that prevents the use of chemical lime dissolvers. The AQUA protects equipment that uses water and reduces substantially maintenance cost.

### Factory guarantee

The manufacturer guarantees that this product is free from defects in material and manufacturing errors at time of purchase. Should there be any defect within 4 years after date of purchase, the product shall be returned to the seller in order to be repaired or exchanged free of charge. This guarantee does not apply for problems caused by wrong installation or modifications or damages to the product.

### Safety

This system is CE-marked does not influence the functionality of other equipment and meets all European EMC-guidelines for electromagnetic compatibility. The unit has a built-in power supply and meets IP65, which makes it suitable for applications in moist circumstances.

**Important:** If the power cord of AQUA is damaged, the whole unit needs to be replaced. If necessary, use an extension cable.

### Technical specifications

Type	AQUA 5000
Water use (l/min)	50.000
Pipe diameter (mm)	25-100
Power consumption (W)	40
Dimensions (mm)	280 x 124 x 70
Weight (kg)	3
Line voltage (V)	220 - 230

### Principiu de functionare

AQUA impiedica formarea de depuneri de calcar in instalatii fara a influenta gustul apei. Toate proprietatile apei necesare vietii se mentin. La baza functionarii este un camp electromagnetic modular de joasa frecventa produs de dizolvator in apa din interiorul conductei

AQUA dizloca si depunerile mai vechi de calcar depuse in conducte sau pe rezistente electrice, in aval de locul de montare. Durata curatirii conductelor de calcar si alte impuritati legate de calcar poate varia intre 1 si 6 luni, in functie de volumul depunerilor in conducta. In aceasta perioada, sitele dusurilor sau a robinetilor se pot infunda cu cristalele mari de calcar dizlocate, iar apa i-si poate schimba culoarea aceasta fiind o dovedind de fapt efectivitatea dizolvatorului.

Aceasta metoda este sigura si ecologica, nefiind nevoie de substante chimice sau alte consumabile. AQUA protejeaza echipamente care folosesc apa si reduce marcant costurile de intretinere.

### Garantia producatorului

Producatorul garanteaza ca produsul nu are vicii de material si fabricatie in momentul cumpararii. Daca va apare vreun defect in 4 (patru) ani de la data cumpararii, produsul va fi returnat vanzatorului pentru a fi reparat sau inlocuit fara cost. Aceasta garantie nu este valabila la instalarea fara respectarea parametrilor prevazuti sau la modificarea sau deteriorarea aparatului.

### Siguranta

Acest aparat CE-certificat nu afecteaza functionarea altor echipamente si indeplineste toate normele Europene EMC pentru compatibilitate electromagnetica. Aparatul are o unitatea de alimentare electrica si indeplineste IP65, care il face adecvat pentru aplicatii in medii umede.

**Important:** Daca, cablul de alimentare la reseaua electrica a AQUA este deteriorat intreagul aparat trebuie inlocuit. Daca este necesar folositi un cablu de prelungire.

### Date tehnice

Tip	AQUA 5000
Debit apa (l/min)	50.000
Diametrul conductei (mm)	25-100
Consum electric (W)	40
Dimensiuni (mm)	280 x 124 x 70
Greutate (kg)	3
Tensiune electrica (V)	220 - 230

