



YARNA™ | CWD24 USER MANUAL

YARNA CAPACITIVE WATER DESCALER | SOLUTION AGAINST HARD WATER

WHAT IS HARD WATER COSTING YOU?



MAINTENANCE

Around 6mm of limescale will build up in an average household over 4 years and can cause up to a 40 % reduction in your home's energy efficiency. Cleaning also takes longer and uses more chemicals. **A household of four spends about \$800 per year on cleaning supplies.**

APPLIANCES

Eventually, untreated hard water can cause appliances to leak, malfunction and use more energy. Also, the heating elements of water heaters are highly susceptible to damage from limescale. **Hard water can lead to as much as a 48% loss of efficiency in water heaters.**

PIPES/FAUCETS

Pretty much any plumbing fixture is negatively affected to some degree by hard water. Typical examples are ruined finishes, damaged washers and seals, valve blockages. Steel pipes are particularly susceptible to blockages. **Faucets need to be replaced 40% sooner.**

YOUR BODY

Hard water can leave your hair feeling frizzy, dull and brittle, and your scalp feeling dry and itchy. It also makes it difficult to rinse away soap from the surface of your skin, leaving your body dry and potentially irritated. **Hard water makes moisturizers and cosmetics less effective.**

Know This Before Installing

You need a minimum of 10" (25cm) of exposed pipe.

For optimal water treatment, YARNA is best installed near the water meter or at the main water supply. Make sure you have access to a power outlet. Our power adapter has 5ft (1.5m) of cable.

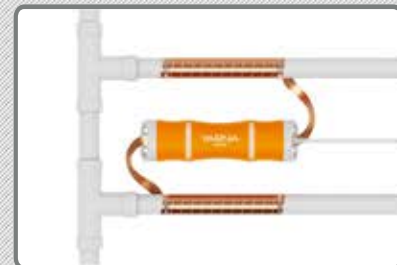
Different installation positions are possible. Please observe different placement examples, shown in the images to the right. Leave a minimum safe distance of at least 1/2" (1 cm) between the two impulse bands.

The main unit can be installed on the wall or directly to the pipe. To secure it to the wall use the screws and anchors provided in the box. To mount it on the pipe run the zip ties through the top and bottom holes of each side of the main unit. The position of the main unit relative to the pipe is not important. You may also install the unit over the impulse bands.

Each impulse band has a total length of 58" (147cm). You need to wind at least 4" of pipe length.

In case of limited space, the windings can be placed partly on the main pipe and partly on the distributor pipe. All these different installations are possible because the treatment impulses extend over several meters to either side of the pipes.

The unit is effective up to 1.2 miles from the installation point along with your pipe system. Depending on ambient temperatures this effect can last up to 7 days after water exits your pipe system. Minerals remain in the water as ions. This prevents the lime-scale to stick to your skin or solid surfaces.



Instructions

1. Secure the main unit to the wall by using the screws inside or directly onto the pipe using the plastic zip ties.



2. Use a zip tie to secure the impulse band to the pipe.



3. Wind the impulse band around the pipe producing a coil. **Make sure you wind the band tightly to the pipe and place the windings close to each other.** Latch the end of the impulse band to the pipe using another zip tie. Now repeat steps 2 and 3 with the second impulse band.



4. Time to power up the unit. First plug the power adaptor to the main unit, and then connect the power supply to an electrical outlet. The power adaptor has a LED light that must be visible. The main unit has two white diagnostic lights that will come on, showing that both impulse bands are operating normally. Your YARNA water softener works from now on maintenance-free.

Your Hardware Warranty

YARNA One (1) Year Limited Warranty for your Water Descaler YARNA Branded Products Only

WHAT IS COVERED BY THIS WARRANTY?

YARNA warrants the water softener product and accessories contained in the original packaging against defects in materials and workmanship when used normally in accordance with this user manual guidelines. The standard warranty is valid for a period of ONE (1) YEAR from the date of original retail purchase by the end-user purchaser ("Warranty Period"). YARNA's guidelines include but are not limited to information contained in technical specifications, user manuals and service communications.

**You can extend your warranty to TEN (10) YEARS
by registering your product on www.yarna.com.**

The manufacturer does not undertake to repair or replace the unit where there is evidence that damage or failure of the unit has been caused by improper installation or operation, or if there is evidence of tempering with the unit in any way. In addition, the warranty does not extend to include damage from external causes or natural disasters. Also the warranty is limited to the product and does not apply to parts of the water system (pipes, faucets) or appliances.

The YARNA softener has no serviceable parts. In case of valid warranty claim, YARNA will proceed to REPLACING the damaged unit. In such an event, the customer will always receive a new product, and NOT a reconditioned/re-furbished one.

Garantía de su equipo

YARNA Tiene una garantía limitada de un (1) año para su ablandador de agua y solo para productos de marca YARNA

¿QUÉ ESTÁ CUBIERTO POR ESTA GARANTÍA?

YARNA garantiza el producto y los accesorios del ablandador de agua que se encuentran en el embalaje original, contra defectos de materiales y mano de obra siempre y cuando se usen normalmente de acuerdo con las pautas de este manual de usuario. La garantía estándar es válida por un período de UN (1) AÑO desde la fecha de compra original al por menor realizada por el comprador final ("Período de garantía"). Las pautas de YARNA incluyen, pero no están limitadas a la información contenida en las especificaciones técnicas, los manuales de usuario y las comunicaciones del servicio. Puede ampliar su garantía a DIEZ (10) AÑOS registrando su producto en www.yarna.com.

El fabricante no se compromete a reparar o reemplazar la unidad cuando exista evidencia de que el daño o falla de la unidad ha sido causado por una instalación u operación inadecuadas, o si hay evidencia de algún tipo de alteración de la unidad. Además, la garantía no incluye daños por causas externas o desastres naturales. La garantía se limita al producto y no se aplica a partes del sistema de agua (tuberías, grifos) o electrodomésticos.

Garantie Ihres Gerätes

**Einhjährige (1 Jahr) beschränkte Herstellergarantie von YARNA für Ihren Wasserenthärter
Diese Garantie gilt ausschließlich für YARNA-Markenprodukte.**

WAS WIRD VON DIESER GARANTIE ABGEDECKT?

YARNA leistet Garantie bei Material- und Verarbeitungsfehlern des Wasserenthärters und Zubehörs in der Originalverpackung bei normalem Gebrauch gemäß den Anweisungen dieser Bedienungsanleitung. Die Standardgarantie gilt für einen Zeitraum von EINEM (1) JAHR ab dem ursprünglichen Kaufdatum des Endverbrauchers (Käufers) („Garantiezeit“). Zu den Anweisungen von YARNA gehören u. a. Informationen in technischen Spezifikationen, Bedienungsanleitungen und Service-Mitteilungen. Sie können Ihre Garantie auf ZEHN (10) JAHRE verlängern, indem Sie Ihr Gerät auf der Website www.yarna.com registrieren.

Der Hersteller ist nicht zur Reparatur oder zum Austausch des Gerätes verpflichtet, sofern es Anzeichen darauf gibt, dass Schäden oder Fehler am Gerät durch eine unsachgemäße Installation oder Bedienung verursacht wurden, oder Anzeichen für irgendeine Form von Temperierung am Gerät vorliegen. Darüber hinaus deckt die Garantie keine Schäden durch äußere Ursachen oder Naturkatastrophen ab. Zudem beschränkt sich die Garantie auf das Gerät und gilt nicht für Teile des Wassersystems (Rohre, Armaturen) oder Vorrichtungen.

Der Wasserenthärter von YARNA verfügt über keine zu wartenden Teile. Im Falle eines berechtigten Gewährleistungsanspruchs wird YARNA für den ERSATZ des beschädigten Geräts sorgen. In diesem Fall erhält der Kunde immer ein neues Gerät und NICHT ein repariertes/wieder instandgesetztes Gerät.

Der YARNA-Weichspüler hat keine zu wartenden Teile. Im Falle eines gültigen Garantieanspruchs wird YARNA mit dem ERSETZEN der beschädigten Einheit fortfahren. In einem solchen Fall erhält der Kunde immer ein neues Produkt und NICHT ein überholtes / aufgearbeitetes Produkt.

Votre garantie matérielle

YARNA Un (1) an de garantie limitée pour votre adoucisseur d'eau
Pour les produits de marque YARNA uniquement

QUE COUVRE CETTE GARANTIE?

YARNA garantit le produit de l'adoucisseur d'eau et les accessoires contenus dans l'emballage d'origine contre les défauts de matériaux et de fabrication lorsqu'il est utilisé normalement conformément aux présentes instructions pour une période d'UN (1) AN à compter de la date d'achat. acheteur ("Période de garantie"). Les lignes directrices de YARNA incluent, sans s'y limiter, les informations contenues dans les spécifications techniques, les manuels d'utilisation et les communications de service. Vous pouvez prolonger votre garantie à DIX (10) ANS en enregistrant votre produit sur www.yarna.com

Le fabricant ne s'engage pas à réparer ou à remplacer l'unité lorsqu'il existe des preuves que l'installation ou le fonctionnement de l'unité a été endommagé ou défectueux, ou qu'il y a des signes de tempéage avec l'unité de quelque façon que ce soit. En outre, la garantie ne couvre pas les dommages causés par des causes externes ou des catastrophes naturelles. De plus, la garantie est limitée au produit et ne s'applique pas aux parties du système d'eau (tuyaux, robinets) ou aux appareils.

L'adoucisseur YARNA ne contient aucune pièce réparable. En cas de demande de garantie valide, YARNA procédera au REMPLACEMENT de l'unité endommagée. Dans un tel cas, le client recevra toujours un nouveau produit, et non un produit reconditionné / remis à neuf.



What To Expect & Important Notes

Yarna CWD24 is a physical water treatment system. It treats the water with electric impulses which are generated in the electronic unit and are controlled by a computerized micro-chip. The signal-frequencies are transmitted via the impulse coils that are wrapped around the pipe. The bands interact as pairs and form a frequency-field that changes the crystals in the water as it flows by. Thus, the limescale particles lose their adhesive power.

If you have a home or small business that uses water, the Yarna will help protect against : Blocked piping systems, Dull surfaces and malfunctioning machinery, High costs for heating, High expenses for cleaning, Rust accumulation in the pipe that leads to corrosion, Bacterial growth in drinking water carrying pipes, and Others. Depending on the condition of your plumbing (how large the limescale deposits are), it might take up to three months to notice best results.

WHY DESCALING IS BETTER THAN SOFTENING: Yarna does NOT eliminate wanted minerals like Calcium and Magnesium. Minerals are good and a necessary part of our diet. Yarna does NOT use salt or waste any water. Water descaling is a process used to reduce the negative effects of hard water. It prevents the minerals from forming scale deposits, which is the main disadvantage of hard water.

Your YARNA water softener WILL NOT make your water potable.

Your YARNA water softener is suitable for all pipe materials: iron, copper, plastic, stainless steel, PVC, compound pipes, PE-X, etc.

Protect the electronic unit and the power supply against direct water. The unit is IP65 rated (protected against jets of water)

Use the provided electronic power adapter only. You can use an extension cord if there is no outlet around the installation point.

Do not cut the impulse bands nor the 24V power cord of the power supply unit. It is better to overlap the turns in the impulse bands as opposed to cutting them.

Clean the device with water only using a soft cloth.

The operating temperature of YARNA ranges from -13°F to 122°F (-25°C to +50°C).

This water softener is suitable to use on pipes with a maximum diameter of 1.5".