



FILTRATION

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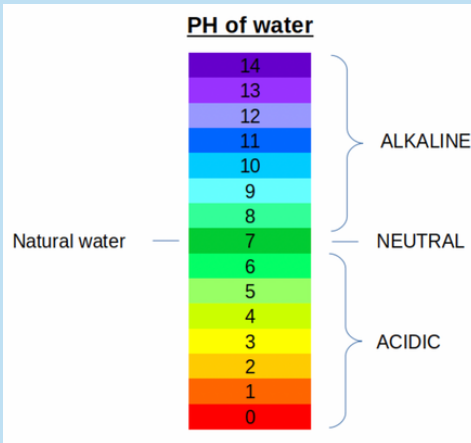
**SPIN DOWN SEDIMENT
FILTER**

STREAMLINE SUPPLIED ITEMS

ACID NEUTRALIZERS

BASICS

Acid neutralizers are used to raise the pH of household water so that fittings and fixtures do not corrode and deteriorate and leak. An acid neutralizer should be installed if the pH is 6.4 or below.



SCIENCE

Acid neutralizers (or pH neutralizers) work by slowly dissolving their filter's "media" into the water as the water flows through the filter. Filter media is calcite. Once the media makes contact with the water, the water pH increases and the water becomes more alkaline.

ULTRA-VIOLET LIGHT

BASICS

Ultra-violet lights are used to kill bacteria in the water as it passes near the light.

UV Light We Install



Bulb Replacement



SCIENCE

The UV water disinfection process utilizes special UV lamps that emit UV light of a particular wavelength. These UV light waves have the ability, based on their length, to disrupt the DNA of microorganisms.

IRON FILTER

BASICS

Iron filters pull out iron in the water to avoid staining fixtures and metallic tasting water.

Iron filter



Iron Stain



SCIENCE

The iron filtration unit contains a “media bed,” like a water softener, but in this case, the media is not resin but an oxidizing agent such as manganese dioxide. When water passes through the bed, the media attracts soluble ferrous iron and converts it to an insoluble state. That allows a filter to capture the iron precipitate, leaving the water iron-free.

WATER SOFTENER

BASICS

A water softener is made up of three components: a control valve, a mineral tank, and a brine tank (that needs to be refilled with salt roughly once a year). These three work in conjunction to remove the minerals from hard water, monitor the flow of water, and periodically clean the system through a regeneration process.

Water Softener



Hard Water Deposits



SCIENCE

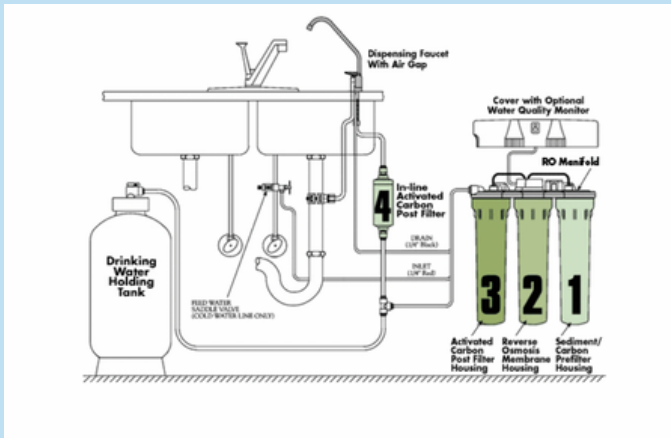
Home water softeners, also called ion exchange units, are appliances that remove calcium, magnesium, and other minerals from drinking water. Resin beads inside the softener trap the calcium and magnesium and exchange them for sodium or potassium.

REVERSE OSMOSIS

BASICS

Reverse osmosis systems will remove common chemical contaminants such as sodium, chloride, copper, chromium, and lead. This improves the taste and feel of the water.

Typical RO System Setup



SCIENCE

A reverse osmosis system removes sediment and chlorine from water with a pre-filter before it forces water through a semipermeable membrane to remove dissolved solids. After water exits the RO membrane, it passes through a post-filter to polish the drinking water before it enters a holding tank ready to supply pressurized water to the dedicated faucet.

CARTRIDGE SEDIMENT FILTER

BASICS

Cartridge filters have a single layer of filter media made of synthetic fabrics attached in pleats to a cylindrical core. Water is pumped through the filter and passes through the cartridge, trapping dirt and debris in the fabric. 20 micron is for most sediment conditions and 5 is for cloudy water where more sediment seems present.

Installed Filter



Our Cartridge Filter Setup



SCIENCE

Cartridge filters remove dirt, debris, and even microscopic particles from water. The pore size of a filter cartridge is measured in microns. The smaller the micron rating, the finer the particulate removed.

SPIN DOWN SEDIMENT FILTER

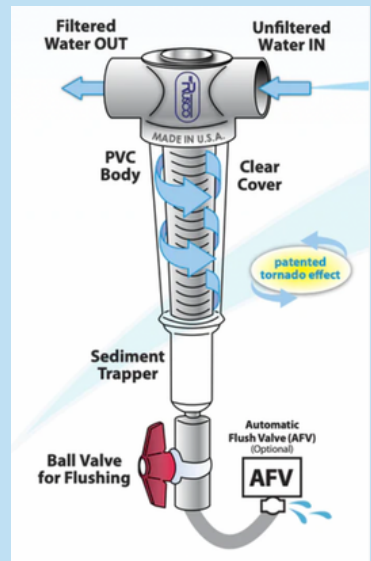
BASICS

Regular sediment filters have cartridges that vary from 5 to 20 microns. However, spin-down filters have larger micron capacities from 50 to 1000 microns that can vary for every unit.

Spin Down Filter We Install



How It Works



SCIENCE

Unlike a fine micron sediment filter, a spin-down filter is designed to trap large chunks of debris and sand.

Water comes in the top of a spin-down filter and spins in a centrifugal motion. The design of the head diverts water into the chamber in a fashion that circulates the water through the filter housing.

STREAMLINE SUPPLIED ITEMS

ITEM

ACID
NEUTRALIZER



WHERE/HOW TO BUY

VAMAC

**IMPBF-
1054MAN**

PRICE: \$3181

ULTRA-VIOLET
LIGHT



VAMAC

**650694-R VIQUA UV
MAX D SERIES 5 TO
14 GPM W/ 3/4"
IN/OUT NPT 650375**

PRICE: \$1297

IRON FILTER



VAMAC

**IMPAF-
1054MGS**

PRICE: \$3181

WATER SOFTENER



VAMAC

IMP-1054

PRICE: \$3481

REVERSE OSMOSIS



VAMAC
**CTFC35APLXWR
WATER RIGHT 35 GPD
ECLIPSE REVERSE
OSMOSIS SYSTEM W/
FAUCET TDS MONITOR**

PRICE: \$1297

CARTRIDGE SEDIMENT FILTER



VAMAC
**14FHK-GC-1010 1" X 10"
GIANT CLR FILTER
HOUSING W/ PR,
BRACKET, WRENCH &
SPARE O-RING BOSHART**

PRICE: \$594

SPIN DOWN SEDIMENT FILTER



VAMAC

**14SFHK-15SM500 1-1/2" T-
STYLE 30 MICRON 500
MESH SCREEN FILTER W/
1/2" PURGE VALVE &
BRACKET BOSHART**

PRICE: \$594

STREAMLINE PLUMBING

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