

4. We recommend food grade sanitising solution such as a baby bottle wash solution (Milton or similar). A 5% sodium hypochlorite bleach (domestic bleach) and water solution may be used.

\*Applicable to both point of use and point of entry systems – Wash inside of housing with sanitising solution using a brush or sponge. Do not use anything abrasive that may damage or scratch internal surface .

\*Applicable to point of use system only – Do not install cartridge at this time. Fill sump with sanitising solution and screw on to water filter housing.

Hand tighten sump to head, do not use sump wrench. Turn water supply ON slowly while depressing (RED) pressure relief button, or open tap or faucet connected down stream of water filter housing, to allow sanitising solution to flush through and drain system. After 3 to 5 minutes, turn OFF water supply, close any open tap or faucet downstream, remove and empty sump in preparation for fitting new replacement cartridge.

5. Check sump “O” ring for damage and replace if required.

6. Install new filter cartridge in sump. Ensure cartridge is correctly seated over post in bottom of sump. Screw sump to head by screwing to right, ensuring top of cartridge is correctly seated over post in head of housing. After one turn (approx), additional resistance will be felt as the “O” ring engages with the head. Continue turning until sump becomes firm and cartridge is sealed.

7. While turning water supply ON, depress (RED) pressure relief button on top of filter head to release air pressure in filter housing and installation, or turn ON a tap downstream of water filter housing to release any air from system. Turn water supply ON slowly and after bleeding air from the system, release (RED) pressure relief button or turn downstream tap OFF.

8. Check for any leaks.

9. After changing cartridge, water being delivered may appear “milky” or white in colour. Do not be concerned as this is caused by tiny air bubbles being expelled from new cartridge. Flush water through system until water appears clear or use system and this condition will clear itself.

**Note:** After carrying out maintenance, we recommend you observe for possible water leaks for a day or so after, as you have disturbed the seals and may have disturbed plumbing to the water filter housing.

**WARRANTY** The Cuno AP11S and 11T Water Filter Housings are designed to operate at a maximum pressure of 900kPa (130psi) and at a maximum temperature of 40°C. Cuno Pacific Pty Ltd warrants these Housings to be free from defects in material and workmanship for a period of \*three years from the date of purchase (\*Warranty period does not apply to cartridges which are consumable). This warranty is expressly limited to the repair or replacement at our premises of any part or parts proving defective providing the housing has been installed in accordance with our Installation Instructions, all relevant Plumbing Codes, the installation of an approved Pressure Limiting Device preceding the housing, and the pressure and temperature do not exceed the limits stated herein. This Warranty does not extend to mechanical damage caused during installation or use. Save insofar as they may be excluded by law, this warranty is given in lieu of all other expressed or implied warranties or conditions and Cuno Pacific Pty Ltd shall in no event be held liable for damages or delays caused by defects and assumes no responsibility for unauthorised repairs.



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1300 345 837

AK200057045 (081)



## AP11S and AP11T Water Filter System

### Installation & Operating Instructions

#### Essential system details

Please read carefully and retain for future reference.

1. For correct operation of this appliance, it is essential to strictly observe these installation and operating instructions.

**Note:** This water filter housing should only be used on water that is microbiologically safe, specifically, water that has been adequately chlorinated or disinfected for bacteria protection, either before or after this water filter housing. To use on microbiologically unsafe water or water of unknown quality, additional equipment will be required, such as a chlorine injection system or an ultra violet steriliser.

2. Installation must comply with any existing state/local plumbing codes.

Some plumbing codes require installation of this water filter housing to be carried out by a licensed plumber.

3. This water filter housing has 3/4” BSPF tapered threads. To ensure proper sealing only use plumbing fittings with 3/4” BSPM tapered threads complying with AS/NZ Standard 1722-1. The use of plumbing fittings with parallel or straight threads will damage water filter housing head and void any relevant warranty claim.

4. For COLD water use only - maximum temperature 40°C, minimum temperature 4°C.

5. AP11S may be used for internal and external installations – protect from freezing and direct sunlight. AP11T is recommended for internal use only.

6. The inlet water pressure of model AP11S water filter housing must not exceed 900kPa (130psi) and model AP11T must not exceed 650kPa (95psi). A certified pressure limiting valve not exceeding 900kPa (130psi) for AP11S model or 650kPa (95psi) for AP11T model, dual check back flow prevention valve and isolating valve must be installed on inlet line immediately preceding this water filter housing. (see item 7 below and installation drawing on page 2 for more information). We also recommend installation of a water hammer protection device to protect water filter housing and its installation.

7. Should water not flow through water filter housing for periods of 2 days or more, flush 5 - 10 litres of water through system before consuming water.

8. To obtain optimum performance and protection from water filter housing, only use Cuno replacement cartridges.

**Note:** Life and performance of cartridges may vary depending on the volume and quality of incoming water supply being filtered.

*Thank you for purchasing this Cuno AP11 premium quality, water filter housing. This Cuno water filter housing has been tested and certified in accordance with Australian Standard AS/NZS 3497:1998 and when installed and maintained in accordance with these Installation and Operating Instructions, will provide many years of reliable and efficient service.*

## Typical installations

This water filter housing may be installed at the Point of Use (POU), or alternatively, it may be installed at Point of Entry (POE) of water supply.

Diagram A

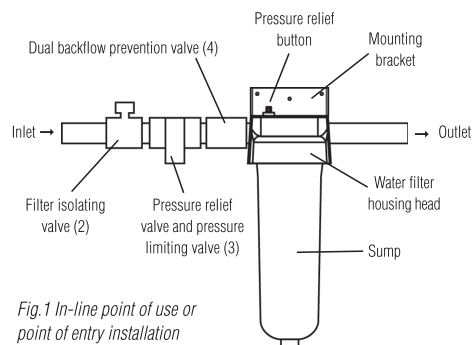


Fig.1 In-line point of use or point of entry installation

Diagram B

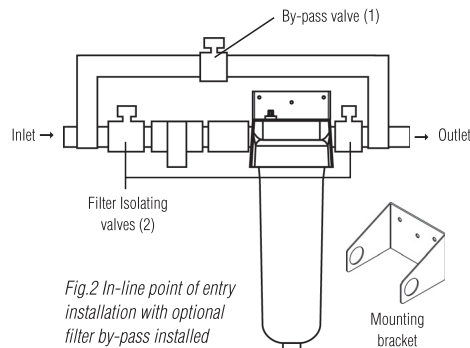


Fig.2 In-line point of entry installation with optional filter by-pass installed

- To Filter Water - OPEN two Filter Isolating Valves (2) and CLOSE By-Pass Valve (1). Refer diagram B
- To By-Pass Filter - CLOSE Filter Isolating Valves (2) and OPEN By-Pass Valve (1). Refer diagram B

**Note:** water filter housing can be adapted to various pipe sizes by using reducing adaptors on either or both inlet and outlet ports. Use galvanised fitting for installation on galvanised pipe and brass fittings on copper pipes.

## Installation instructions

Important Information – Please read carefully.

- This water filter housing has 3/4" BSPF tapered inlet and outlet threads. To ensure proper sealing, only use plumbing fittings with 3/4" BSPM tapered threads complying with AS/NZ Standard 1722-1. Use of plumbing fittings with parallel or straight threads will damage water filter housing head and void any relevant warranty claim.
- Only use thread tape for thread sealing. Do not use sealing compounds or hemp wicking.
- Do not use a heat torch near plastic housing. All sweated joints should be made prior to assembling piping to water filter housing head.
- Hand tighten sump to head. Do not use any tools.

1. Unpack water filter housing and identify components.

2. Water filter housing must be mounted vertically. Check for a comfortable fit in location you have selected and ensure necessary cold water connections are available to install for filtration method required.

3. Affix the top mounting bracket to head using 3/4" BSPM tapered fittings.

4. Mount water filter housing in selected location with 2 mounting screws provided.

Ensure water flow, through water filter housing corresponds with inlet and outlet water flow direction. Allow 40mm (minimum) of clearance under water filter housing for removal of sump, to change cartridge.

5. Turn water supply OFF to pipe line where water filter housing is to be installed.

6. Plumb water filter housing into water supply to provide filtration method required (refer to 'Typical Installations' information), using 3/4" BSPM tapered thread plumbing fittings and install an Isolating, pressure limiting and dual back flow prevention valve on inlet water supply immediately preceding water filter housing. Use thread tape on all fittings. Do not overtighten plumbing fittings into water filter housing head.

7. Insert selected cartridge into sump and screw sump to head by screwing to right. Make sure to fully tighten sump to head until no threads are showing.

8. While turning water supply ON, depress (RED) pressure relief button on top of filter head to release air pressure in filter housing and installation, or turn ON a tap downstream from water filter housing to release any air from system. Turn water supply ON slowly and after bleeding air from system, release red button and turn downstream tap OFF.

9. Check for any leaks.

**Note:** We recommend you continue to check for leaks for a day or so after installation.

## Cartridge selection and information

**WARNING:** To obtain optimum performance and protection from this water filter housing, only use Cuno brand replacement filter cartridges. Other brands may have specifications making them incompatible for use with this product. Use of any other brand of filter cartridges, will void the warranty.

Cuno provides an extensive range of premium quality water filter cartridges selected to suit Australian water conditions and to provide protection from a wide range of harmful and/or hazardous contaminants. Filter cartridges are manufactured to varying specifications to provide different levels of performance and protection from a spectrum of contaminants. Cartridge selection needs to be commensurate with the local water conditions and the level of protection required.

1. Turn OFF water supply to water filter housing (refer to Fig.1 and Fig.2 on page 2), by turning OFF filter isolation valve(2). Depress (RED) pressure relief button on top of filter head to relieve pressure in filter housing and installation. In installations with by-pass, turn OFF filter isolating valves (2) and turn ON by-pass valve (1).

2. Using sump wrench supplied, unscrew sump from water filter housing by screwing to left. If water filter housing is installed indoors, use suitable container to catch any water spillage. Care should be taken, as sump is full of water and heavier than expected.

3. Remove sump and cartridge, empty sump and dispose of used cartridge.

**Note:** Water filter housing should be sanitised prior to fitting new replacement cartridge.

