

# Owner's Manual

## Filter Housing

**Models:** AWP20C-V, AWP30C-V, AWP32B-V, AWP50B-V, AWP52B-V

### Overview:

VIQUA offers a variety of housing sizes and styles in durable, molded polymer that defies rust and corrosion, and ensures a long, trouble-free life. Install a filter on your whole-house cold water line or point-of-use location to provide clear, fresh-tasting water. A wide variety of replaceable filter cartridges are available for filtration of particulates, chlorine taste and odour, and for inhibition of scale and corrosion.

## Section 1 Safety Information

Please read this entire manual sheet before operating this equipment. Pay attention to all danger, warning, and caution statements. Failure to do so could result in serious personal injury or damage to the equipment.

Make sure that the protection provided by this equipment is not impaired. Do not use or install this equipment in any manner other than that specified in the installation manual.

### 1.1 Safety Precautions

#### ⚠ WARNING



**WARNING:** This product can expose you to chemicals including Phthalates, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### NOTICE





- Installation must comply with existing local plumbing codes.
- Operating pressure range: 20 to 100 psi (140 to 690 kPa).
- For cold water supply line installation only.
- Operating temperature range: 4 °C to 38 °C (40 °F to 100 °F).
- Do not install unit in direct sunlight. Protect unit from freezing.
- Do not use with water that is microbiologically unsafe or of unknown quality.
- Do not clean unit with chemical solutions or solvents. Use only warm water with mild soap, if necessary. Rinse well with clean water.
- Use only Teflon® tape to seal threads. Never use liquid or paste thread sealing compounds.
- Do not use a torch near plastic housings due to potential damage to the filter. All sweat fitting connections must be made prior to assembling piping to the filter head.
- If the water piping is used as an electrical ground, a jumper wire must be installed around the filter.
- To condition the filter housing, flush unit for 15 minutes prior to use.
- Read and understand the Owner's Manual before operating and performing any maintenance on this equipment.



Products are Tested and Certified by NSF International against NSF/ANSI standard 42 for material and structural integrity requirements.

## Section 2 Components

### 2.1 Housing Components

	
AWP32B-V - 20" 3 piece, valve-in-head, white opaque body	AWP20C-V - 10" 3 piece, transparent body, with pressure release
AWP30C-V - 10" 3 piece, valve-in-head, transparent body	
AWP50B-V - 10" 3 piece, valve-in-head, white opaque body	
AWP52B-V - 20" 3 piece, valve-in-head, white opaque body	

### 2.2 Connections

Each filter housing is appropriately marked with “Inlet” and “Outlet ports”, or an arrow showing direction of flow. Make certain the flow path is correctly followed when making connections.

Standard models are provided with NPT pipe thread ports as noted on the product label or box. The filter can be adapted to various pipe or tubing sizes by using adapters as needed. Adapter fittings are available through your local hardware store, home center, or plumber.

Install the filter in a location where it will not be subjected to: being hit, direct sunlight, freezing, or other damage or abuse. Once the system water pressure is off and water drained from the system, cut a section from the plumbing line adequate to accept the length of the filter plus the installed adapter fittings. Fittings should be installed moderately tight, but use caution not to over-tighten as this may crack the filter head. Complete installation of the filter head in the plumbing line with fittings secured.

## Section 3 Filter Startup

### 3.1 General Systems

**Procedure:**

1. Load filter housing with the appropriate cartridge.  
*Note: Cartridges, if not included with your filter, are available from your VIQUA dealer.*
2. Secure the sump to filter head by screwing the ring nut onto head (on 3 piece systems) or the sump onto the head (on 2 piece systems).
3. Tighten ring nut moderately, hand-tight.
4. For models with a wrench provided, use wrench to snug the ring nut, if required.

## 3.2 Valve-in-head Systems - AWP32B-V, AWP30C-V, AWP50B-V, AWP52B-V

### Procedure:

1. After unit is sealed, pressurize the unit.
2. Use the Sump Wrench to rotate the valve knob from the “On” position to the “Bypass” position 2-3 times, or until a small amount of water escapes from the vent beneath the knob.

**Note:** *This is necessary as it vents excess air from housing.*

3. Set valve knob in the “On” position for regular operation. Inspect for leaks and correct, if necessary.
4. Flush unit for 15 minutes to purge filter of trapped air and debris.
5. Unit is now ready for operation.

### 3.2.1 Valve-in-head Models Operation

Valve-in-head models offer three positions for ease of operation.

Position	Operation
On	This is the standard operating mode for the filter in service.
Bypass	This can be used to allow water to temporarily bypass a clogged cartridge or while changing the cartridge.
Off	Turn valve knob to OFF position to shut-off flow of water through the filter. This should be done when changing the cartridge or if the flow downstream needs to be stopped. <b>Note:</b> <i>Do not leave filter in OFF position for a period of more than 48 hours.</i>

## 3.3 Standard Filter Systems - AWP20C-V

### Procedure:

1. After unit is sealed, pressurize the unit.
2. Depress the black vent button on top of the housing until a small amount of water escapes.  
**Note:** *This is necessary as it vents excess air from housing.*
3. Observe for leaks and correct if necessary.
4. Flush unit for 15 minutes to purge filter of trapped air and debris.
5. Unit is now ready for operation.

## Section 4 Maintenance

### 4.1 Filter Cartridge Replacement

Change filter when:

- There is a noticeable reduction in water flow from the unit due to filter cartridge clogging.
- Off-taste or odor returns to water due to reaching capacity of an activated carbon cartridge.
- After six months of use, unless experience suggests a more frequent change-out.

### 4.2 Valve-in-head Systems - AWP32B-V, AWP30C-V, AWP50B-V, AWP52B-V

#### Procedure:

1. Use the Sump Wrench to rotate the valve knob to the “Bypass” position to allow water flow to bypass the filter cartridge.
2. Release pressure from the sump:
  - a. **For AWP32B-V and AWP30C-V models:** Venting happens when rotating the valve knob to the bypass position.
  - b. **For AWP50B-V and AWP52B-V models:** Press the pressure relief button on the filter head.
3. Unscrew the ring nut from the unit (rotate to the left), to separate the sump from the filter head.
4. Remove and discard the used cartridge.

## Replacement Cartridge Components

5. Check O-ring for evidence of pinching, cuts, or other damage. Wipe O-ring clean and then lubricate with silicone grease. This will ease subsequent assembly and disassembly.
6. Refer to [Section 3.2](#), Filter Startup.

### 4.3 Standard Filter Systems - AWP20C-V

#### Procedure:

1. Shut-off water pressure leading to the filter housing.
2. Vent water pressure in the housing by depressing the black vent button on top of the housing until pressure is relieved. If possible, drain system water from a nearby valve or faucet.
3. Unscrew the ring nut from the unit (rotate to the left), to separate the sump from the filter head. Use wrench provided, if necessary.
4. Remove and discard the used cartridge.
5. Check O-ring for evidence of pinching, cuts, or other damage. Wipe O-ring clean and then lubricate with silicone grease. This will ease subsequent assembly and disassembly.

Refer to [Section 3.3](#).

## Section 5 Replacement Cartridge Components

Model	Replacement element used	Element function - reduction of:	Rated service flow	Capacity
AWP20C-V AWP30C-V	C-01PB	Lead, chlorine taste, odour	3 gpm	Lead - 1500 gal Chlorine - 7000 gal
	C-01	Chlorine taste, odour	2 gpm	6000 gal
	AWP110	Dirt, rust	5 gpm	N/A
AWP32B-V	C-02PB	Lead, chlorine taste, odour	4 gpm	Lead - 2500 gal Chlorine - 13000 gal
	C-02	Chlorine taste, odour	4 gpm	13000 gal
	AWP110-2	Dirt, rust	10 gpm	N/A
AWP50B-V	C2-01PB	Lead, chlorine taste, odour	6.5 gpm	Lead - 6000 gal Chlorine - 22000 gal
	C2-01	Chlorine taste, odour	6.5 gpm	22000 gal
	CMB-510HF	Dirt, rust	18 gpm	N/A
AWP52B-V	C2-02 PB	Lead, chlorine taste, odour	10 gpm	Lead - 11000 gal Chlorine - 40000 gal
	C2-02	Chlorine taste, odour	10 gpm	40000 gal
	CMB-520HF	Dirt, rust	32 gpm	N/A

## Section 6 Manufacturer's Warranty

This VIQUA water filter is warranted for a period of one (1) year from the date of original consumer purchase against defects in material or workmanship employed by the manufacturer. VIQUA's obligation under this warranty shall consist of the repair or replacement, at its option, of this Filter, if delivered to "VIQUA, 425 Clair Rd. W., Guelph, ON N1L 1R1," delivery charges prepaid, and shown to the satisfaction of VIQUA to be defective; provided only: that the defect is not the result of abuse, misuse, alteration, of damage. The warranty card supplied with this filter should be completed by the original consumer purchaser and mailed to VIQUA within ten (10) days of purchase, in order to register your warranty and insure prompt attention to any warranty claim.



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