



# Installation Instruction - High Flow Filtration for commercial use

This filtration kit is intended for use with commercial Hydrotaps in high use areas.

This instruction assumes that a Hydrotap installation either exists or is installed at the time of the installation of this filter kit.

## Kit consists of:

|   |                               |
|---|-------------------------------|
| 1 x Filter Cartridge                                  | 2 x 3/8"-1/2" Adaptors        |
| 1 x Filter Head                                       | 1 x 1/4"-1/2" Adaptor         |
| 1 x Pressure Limiting Valve with Dual Check (600 kPa) | 2 x Filter Head Fixing Screws |
| 1 x 1/2" DN8 Braided Hose (800mm)                     | 1 x Filter Monitor Label      |



System tested and certified by NSF International against NSF/ANSI Standard 42 and Standard 53 for the reduction of substances as listed below according to Standard 42 and Standard 53.

## WARNING

To reduce the risk associated with ingestion of contaminants:

Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before and after the system.

Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

EPA Establishment Number 070595-CT-001

## CAUTION

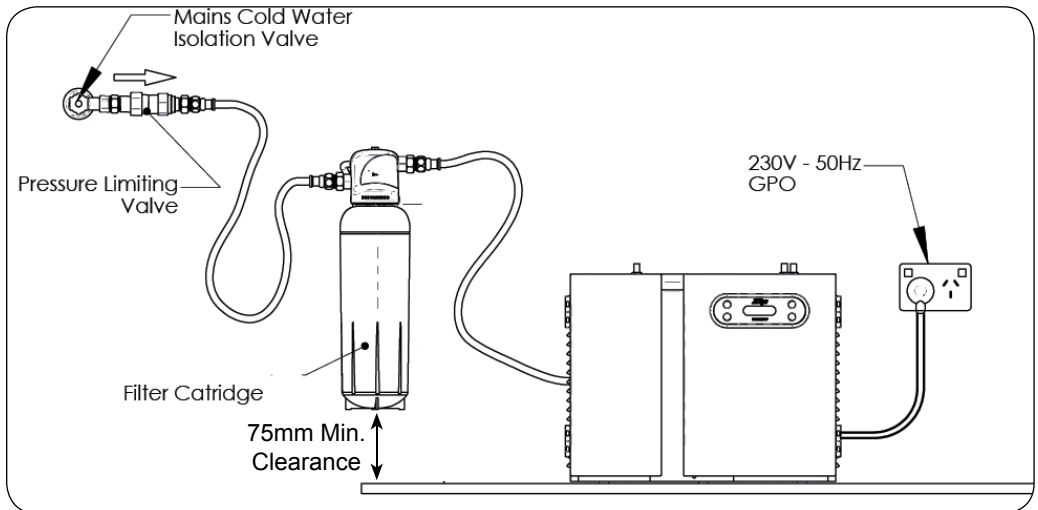
To reduce the risk associated with property damage due to water leakage:

- Read and follow Use Instructions before installation and use of this system.
- Installation and use MUST comply with all state and local plumbing codes.
- Do not install if water pressure exceeds 862 kPa. If your water pressure exceeds 600 kPa, you must install a pressure limiting valve. Contact a plumbing professional if you are uncertain how to check your water pressure.
- Normal operating pressure range is 172 - 600 kPa
- Do not install where water hammer conditions may occur. If water hammer conditions exist you must install a water hammer arrester. Contact a plumbing professional if you are uncertain how to check for this condition.
- Do not install on hot water supply lines. Only install on a cold water line. The maximum operating water temperature of this filter system is 38°C.
- Protect filter from freezing. Drain filter when temperatures drop below 4.4°C.
- The disposable filter cartridge must be replaced every 6 months or at the specified service cycle, or sooner, if a noticeable pressure drop occurs.

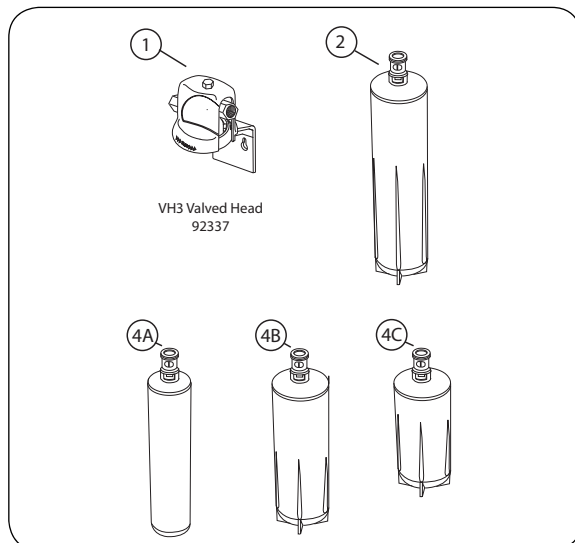
## Installation:

- Select a suitable surface within your cupboard, midway between your Hydrotap and the water mains isolation valve, to mount the filter head assembly.
- Positioning the filter and head assembly with a clearance of 75mm below the assembled filter body (See Diagram). Mount the filter head with screws to the rear or side wall of the cupboard (Ensure the distance between the filter head and isolation valve is no more than 600mm).
- If your Hydrotap is pre-installed, isolate the mains water supply and disconnect the Hydrotap braided supply hose from the isolation valve.
- Using plumber's thread tape assemble the 3/8"-1/2" adaptors into the filter head. Assemble the 1/4"-1/2" adaptor into the 600 kPa PLV and attach to the mains isolation valve.
- Using the braided hose supplied in the filter kit, connect the PLV to the left handside of the filter head (inlet). Note: the direction of flow is illustrated on the front of the filter head cover. Do not overtighten the braided hose nut.
- Now connect the braided hose supplied with the Hydrotap to the right handside of the filter head (outlet).

- Remove the red sanitary cap from the filter cartridge and install the cartridge into the filter head by pushing upwards, locating the key and rotating towards the right until the stops are engaged.
- The new filter cartridge needs to be flushed before use. To achieve this, you will require a 10 litre bucket or equivalent container to catch the flushed water. Check all fittings and connections are securely tightened.
- Disconnect the Hydrotap braided hose at the rear of the Hydrotap and direct its open end into the bucket or container.
- Open the isolation valve and allow a minimum of 15 litres of water to flow through the filter. This should be achieved in approximately 2 minutes of water flow, then isolate mains valve.
- After filter flush, reconnect the Hydrotap braided hose to the rear of Hydrotap. Open the isolation valve and check for leaks.
- Follow the instruction on how to attach and activate the filter monitor label supplied with the filter kit.



## Cartridge types



| <b>Repl. Ctg.<br/>Model #/ Part #</b> | <b>System/<br/>Part #</b> | <b>Item #</b> | <b>Rated Flow</b> |
|---------------------------------------|---------------------------|---------------|-------------------|
| ZGP 25S - 92321                       | 92342                     | 4A / 1        | 5.7 L/min         |
| ZGP 40S - 90992                       | 92343                     | 4C / 1        | 7.9 L/min         |
| ZGP 45S - 92319                       | 92344                     | 4C / 1        | 7.9 L/min         |
| ZGP 60S - 90993                       | 92345                     | 4B / 1        | 12.6 L/min        |
| ZGP 65S - 92323                       | 92346                     | 4B / 1        | 12.6 L/min        |
| ZGP 19S - 92325                       | 92347                     | 2 / 1         | 3.8 L/min         |

### **ZGP25S - capacity 37,854 Litres**

| <b>Contaminant Reduction</b>                                   | <b>Average Influent</b> | <b>NSF/ANSI specified Challenge Concentration</b> | <b>Avg % Reduction</b> | <b>Average Product Water Concentration</b> | <b>NSF Reduction Requirements</b> |
|--|-------------------------|---|------------------------|--|-----------------------------------|
| Chlorine Taste and Odor  | 1.9 mg/L                | 2.0 mg/L $\pm$ 10%                                | 97.0                   | 0.05 mg/L                                  | $\geq$ 50%                        |
| Nominal Particulate Class I, 0.5 $\mu$ m to $\leq$ 1.0 $\mu$ m | 4,833,333 pts/mL        | At least 10,000 particles/mL                      | 96.2                   | 182833 pts/mL                              | $\geq$ 85%                        |

### **ZGP40S - Capacity 94,635 Litres**

| <b>Contaminant Reduction</b>                                   | <b>Average Influent</b> | <b>NSF/ANSI specified Challenge Concentration</b> | <b>Avg % Reduction</b> | <b>Average Product Water Concentration</b> | <b>NSF Reduction Requirements</b> | <b>NSF Test Report</b> |
|--|-------------------------|---|------------------------|--|-----------------------------------|------------------------|
| Chlorine Taste and Odor  | 2.0 mg/L                | 2.0 mg/L $\pm$ 10%                                | 96.0                   | 0.08 mg/L                                  | $\geq$ 50%                        | J-00018154             |
| Nominal Particulate Class I, 0.5 $\mu$ m to $\leq$ 1.0 $\mu$ m | 3,833,333 pts/mL        | At least 10,000 particles/mL                      | 99.4                   | 19,883 pts/mL                              | $\geq$ 85%                        | J-00047325             |
| Cyst*  | 132,750 cysts/L         | Minimum 50,000 cysts/L                            | 99.99                  | 1 cyst/L                                   | $\geq$ 99.95%                     | J-516513-05            |

\* Based on the use of Cryptosporidium parvum oocysts

**ZGP45S - Capacity 94,635 Litres**

| Contaminant Reduction   | Average Influent | NSF/ANSI specified Challenge Concentration | Avg % Reduction | Average Product Water Concentration | NSF Reduction Requirements | NSF Test Report |
|-------------------------|------------------|--|-----------------|-------------------------------------|----------------------------|-----------------|
| Chlorine Taste and Odor | 2.0 mg/L         | 2.0 mg/L $\pm$ 10%                         | 96.0            | 0.08 mg/L                           | $\geq$ 50%                 | J-00018154      |

**ZGP60S - Capacity 132,475 Litres**

|  |                  |                              |       |               |               |            |
|--|------------------|------------------------------|-------|---------------|---------------|------------|
| Chlorine Taste and Odor  | 2.0 mg/L         | 2.0 mg/L $\pm$ 10%           | 96.0  | 0.08 mg/L     | $\geq$ 50%    | J-00018154 |
| Nominal Particulate Class I, 0.5 $\mu$ m to $\leq$ 1.0 $\mu$ m | 8,933,333 pts/mL | At least 10,000 particles/mL | 99.8  | 10,585 pts/mL | $\geq$ 85%    | 516515-05  |
| Cyst*  | 132,750 cysts/L  | Minimum 50,000 cysts/L       | 99.99 | 1 cyst/L      | $\geq$ 99.95% | 516513-05  |

**ZGP65S - Capacity 132,475 Litres**

|                         |          |                    |      |           |            |            |
|-------------------------|----------|--------------------|------|-----------|------------|------------|
| Chlorine Taste and Odor | 2.0 mg/L | 2.0 mg/L $\pm$ 10% | 96.0 | 0.08 mg/L | $\geq$ 50% | J-00018154 |
|-------------------------|----------|--------------------|------|-----------|------------|------------|

**ZGP195 - Capacity 4,542 Litres**

| Contaminant Reduction | Capacity                        | NSF/ANSI Guidelines | Total Hardness Reduction      | Status |
|-----------------------|---------------------------------|---------------------|-------------------------------|--------|
| Hard scale reduction  | 4,542 Litres at 150ppm hardness | N/A                 | 6150 grains CaCO <sub>3</sub> | N/A    |

