



## GoldClean

### **GoldClean and GoldClean Canister System** **risk free and simple solution for continuous control** **of bio-fouling in irrigation and drip tube systems.**

**GoldClean** is a drinking water treatment chemical which is tested and certified by NSF International for disinfection and oxidation of bacteria for potable applications. This sanitizer is used to kill the naturally occurring pathogens, bacteria and algae in irrigation systems including mainlines, submains, micro irrigation lines and filters where odours, slimes and clogging occur.

**Bio-fouling caused by algae, bacteria and silt from our river systems is major cause of micro irrigation blockages. Algae build-up in irrigation water storage tanks also creates system clogging when used in micro irrigation systems such as micro sprays and drippers**

**GoldClean** is the only chemical approved for use in the GoldClean Canister system.

#### **GoldClean** Benefits

- Safe and Very easy to use
- Safer for the environment - sun degradable and non residual
- Certified to NSF/ANSI Standard 60 for disinfection and oxidation of potable water
- Eliminates clogging and blockages caused by bacteria and algae in pipes.
- Replaces manual chlorine disinfection routines
- Sanitizes the irrigation system

**GoldClean** is available in the following packing sizes:



**GoldClean** Tablets

1kg, 5 kg, 20 kg and 50 kg buckets.



**GoldClean** Granules

5kg and 20kg buckets.



## **Driptide Continuous Maintenance Treatment**

**The **GoldClean Canister** systems are the risk free and simple Solution for continuous control of Biofouling in irrigation and drip tube systems**

\*\*\*It is recommended by all good irrigation manufacturers to treat the system with suitable biofilm control chemicals on a constant base to prevent clogging and damage to the emitters.\*\*\*

**The **GoldClean Canister** releases constant small doses of **GoldClean** into the system –  
**trouble free, labor free, risk free!****

**GoldClean** is up to 300 times more effective than other equivalent chemicals

There are 2 methods to apply **GoldClean** into the irrigation system:

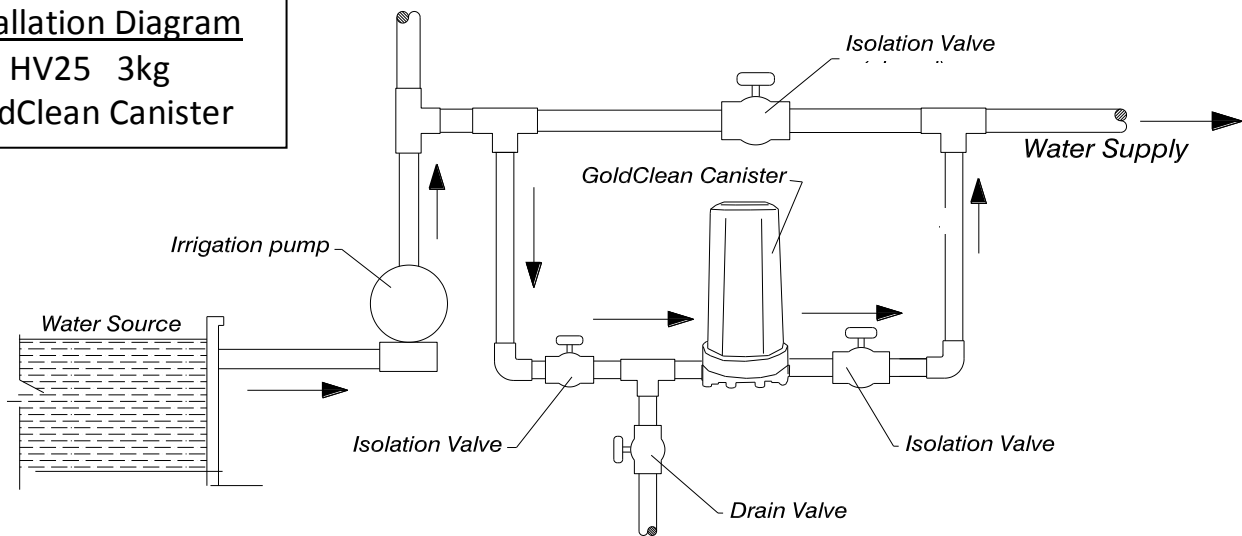
The first is to mega dose a 20-40 ppm of **GoldClean Granules** into the system on a scheduled treatment (Simply replacing chlorination).

The second option is by applying a constant release of 1 PPM of **GoldClean Tablets** into the irrigation system, the **GoldClean Canister** maintains clean lines and laterals, increasing productivity and ensuring that the irrigation system works according to its original designed parameters.

The **GoldClean Canister** System In the irrigation equipment application, the system is connected down the mainline on a bypass, restricting the flow through the unit to insure precise release of the chemical into the system at the designated rate.

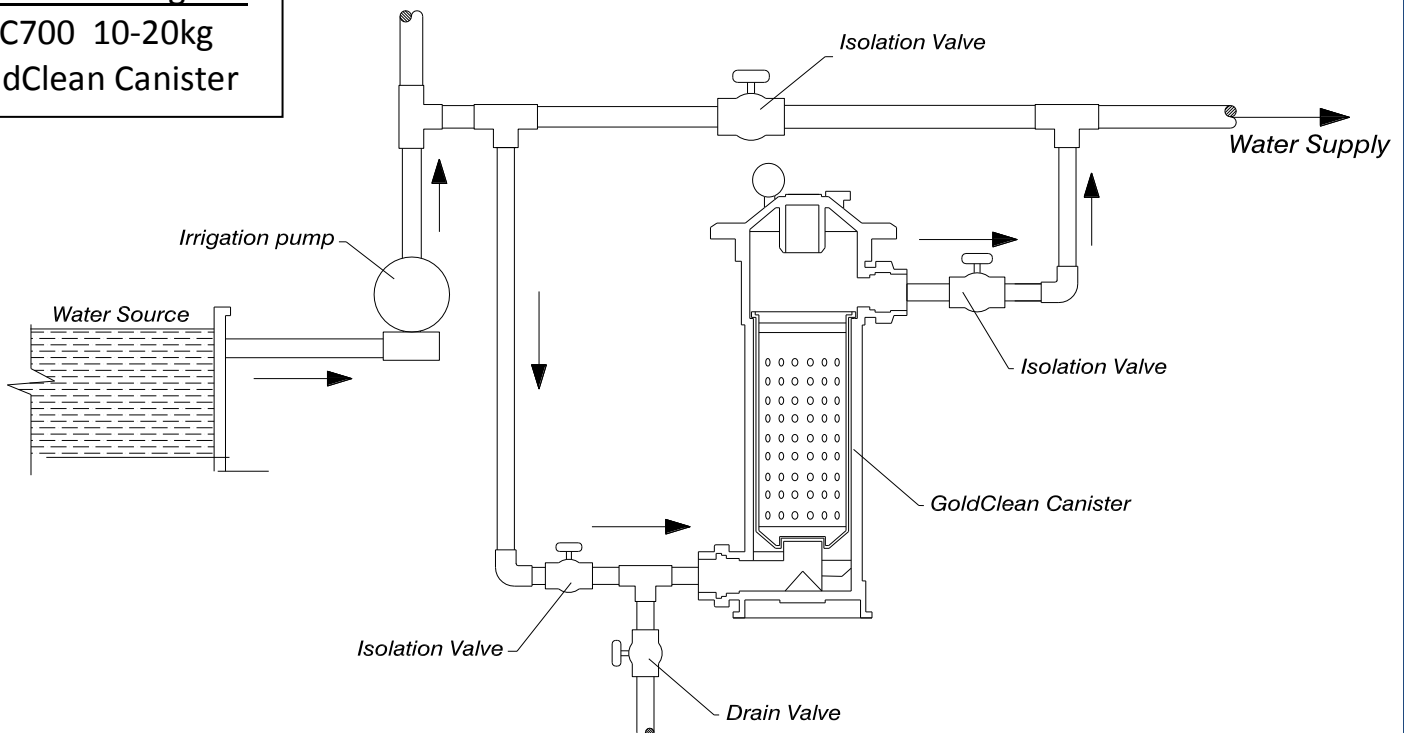
Installation Diagram

HV25 3kg  
GoldClean Canister



Installation Diagram

GC700 10-20kg  
GoldClean Canister



**Be certain to follow all applicable Plumbing Codes for your site.**

**GoldClean Canister Maintenance**

Unscrew the **Canister** and check the **GoldClean** level. Refill as needed. Never let the **GoldClean** level in the canister reach below the half way point. The **Canister** operates optimally when the **GoldClean** level is between full and half full.



# GoldClean Dissolution Rates For Irrigation System Maintenance

| GoldClean<br>↓     | GoldClean Aproximate Disolution Rate @ 1ppm |               |                 |               |               |                |                |                |                |                |                |                |                 |  |
|--------------------|---|---------------|-----------------|---------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----------------|--|
|                    | Kilograms / Hour                            |               |                 |               |               |                |                |                |                |                |                |                |                 |  |
|                    |   |               |                 |               |               |                |                |                |                |                |                |                |                 |  |
| 1000               | 1.55  | 3.07          | 4.00            | 6.15          | 9.32          | 11.00          | 13.75          | 16.50          | 22.00          | 27.50          | 33.00          | 44.00          | 90.74           |  |
| 950                | 1.48  | 2.94          | 3.82            | 5.89          | 8.90          | 10.55          | 13.19          | 15.83          | 21.04          | 26.38          | 31.66          | 42.22          | 87.07           |  |
| 900                | 1.41  | 2.80          | 3.66            | 5.62          | 8.50          | 10.52          | 13.15          | 15.78          | 21.11          | 26.30          | 31.56          | 42.08          | 86.79           |  |
| 850                | 1.34  | 2.67          | 3.50            | 5.35          | 8.10          | 9.59           | 11.98          | 14.38          | 19.18          | 23.97          | 28.77          | 38.36          | 79.11           |  |
| 800                | 1.27  | 2.53          | 3.32            | 5.08          | 7.70          | 9.12           | 11.40          | 13.68          | 18.25          | 22.81          | 27.37          | 36.50          | 75.28           |  |
| 750                | 1.21  | 2.40          | 3.16            | 4.81          | 7.29          | 8.66           | 10.82          | 13.00          | 17.32          | 21.65          | 25.98          | 34.64          | 71.44           |  |
| 700                | 1.15  | 2.27          | 3.00            | 4.55          | 6.88          | 8.19           | 10.24          | 12.29          | 16.38          | 20.47          | 24.57          | 32.76          | 67.56           |  |
| 650                | 1.08  | 2.13          | 2.82            | 4.28          | 6.47          | 7.72           | 9.65           | 11.59          | 15.45          | 19.31          | 23.17          | 30.90          | 63.73           |  |
| 600                | 1.02  | 2.00          | 2.66            | 4.01          | 6.07          | 7.26           | 9.08           | 10.90          | 14.52          | 18.15          | 21.78          | 29.04          | 59.90           |  |
| 550                | 0.95  | 1.86          | 2.50            | 3.74          | 5.66          | 6.80           | 8.49           | 10.19          | 13.59          | 16.98          | 20.38          | 27.18          | 56.06           |  |
| 500                | 0.88  | 1.73          | 2.32            | 3.48          | 5.25          | 6.33           | 7.91           | 9.49           | 12.66          | 15.82          | 19.00          | 25.32          | 52.22           |  |
| 450                | 0.81  | 1.60          | 2.16            | 3.21          | 4.85          | 5.86           | 7.32           | 8.79           | 11.72          | 14.65          | 17.58          | 23.44          | 48.34           |  |
| 400                | 0.75  | 1.46          | 2.00            | 2.94          | 4.44          | 5.40           | 6.74           | 8.09           | 10.79          | 13.48          | 16.18          | 21.58          | 44.50           |  |
| 350                | 0.68  | 1.33          | 1.82            | 2.67          | 4.04          | 4.93           | 6.16           | 7.40           | 9.86           | 12.32          | 14.79          | 19.72          | 40.67           |  |
| 300                | 0.61  | 1.20          | 1.66            | 2.40          | 3.63          | 4.46           | 5.58           | 6.70           | 8.93           | 11.16          | 13.40          | 17.86          | 36.84           |  |
| 250                | 0.54  | 1.06          | 1.50            | 2.01          | 3.22          | 4.00           | 5.00           | 6.00           | 8.00           | 10.00          | 12.00          | 16.00          | 33.00           |  |
| 200                | 0.47  | 0.93          | 1.32            | 1.87          | 2.82          | 3.60           | 4.50           | 5.40           | 7.20           | 9.00           | 10.80          | 14.40          | 29.70           |  |
| 150                | 0.40  | 0.80          | 1.16            | 1.60          | 2.41          | 3.13           | 3.91           | 4.70           | 6.27           | 7.94           | 9.40           | 12.54          | 25.86           |  |
| 100                | 0.34  | 0.67          | 1.00            | 1.34          | 2.01          | 2.67           | 3.33           | 4.00           | 5.34           | 6.67           | 8.00           | 11.10          | 22.20           |  |
| 75                 | 0.25  | 0.50          | 0.75            | 1.00          | 1.50          | 2.00           | 2.50           | 3.00           | 4.00           | 5.00           | 6.00           | 8.33           | 16.66           |  |
| 50                 | 0.20  | 0.33          | 0.50            | 0.67          | 1.00          | 1.34           | 1.67           | 2.01           | 2.67           | 3.35           | 4.02           | 5.58           | 11.16           |  |
| 25                 | 0.08  | 0.16          | 0.25            | 0.33          | 0.50          | 0.66           | 0.83           | 1.00           | 1.33           | 1.66           | 2.00           | 2.80           | 5.53            |  |
| 10                 | 0.03  | 0.07          | 0.10            | 0.14          | 0.20          | 0.25           | 0.31           | 0.40           | 0.50           | 0.62           | 0.75           | 1.00           | 2.00            |  |
| 5                  | 0.02  | 0.03          | 0.05            | 0.07          | 0.10          | 0.13           | 0.17           | 0.20           | 0.27           | 0.34           | 0.40           | 0.56           | 1.13            |  |
| <b>Pellet Load</b> | <b>1.5m³/hr</b>                             | <b>3m³/hr</b> | <b>4.5m³/hr</b> | <b>6m³/hr</b> | <b>9m³/hr</b> | <b>12m³/hr</b> | <b>15m³/hr</b> | <b>18m³/hr</b> | <b>24m³/hr</b> | <b>30m³/hr</b> | <b>36m³/hr</b> | <b>50m³/hr</b> | <b>100m³/hr</b> |  |
| <b>Kilograms</b>   | <b>Flow rate = m³/hr</b>                    |               |                 |               |               |                |                |                |                |                |                |                |                 |  |



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