

# Autoflush Hydrocyclone filter kit

Effective & automated  
self cleaning process



## Features

- Uninterrupted flow of water in self cleaning process.
- This system works on time interval Or manually.
- This system protects the primary (hydro cyclone filter) filter against damage & increases the life of filter, as well as increase the clogging time of secondary filter (screen)
- No requirement of manual cleaning of the filter thereby saving time and effort
- One time investment.

## Technical Specifications

### Auto flush controller setting

- Flush Interval ( 0-5 hrs ) with 12 minutes interval (Adjustable)
- Flush duration ( 0-120 seconds) with 6 seconds intervals (Adjustable)
- Input Voltage -220 V AC
- Output voltage -24VAC
- Default setting (Interval time 1 hrs & flushing duration : 30 sec)

## General Instructions

- Install the system as per guide line to avoid any damage.
- Don't make loose connections.
- Cover the system from rain & dust to avoid mall functioning.
- provide the proper support to auto backflush controller to avoid any damage & proper functionality.

## Installation



### Step-1

Install flush valve on hydro cyclone filter drain port with help of plastic threaded reducer 2"x1".



### Step-2

Install the timer on flush valve or with suitable arrangement.



### Step-3

Intall the ¼" finger filter elbow on outlet of disc/screen filter & connect with solenoid coil with command tube on remain port of solenoid coil.



### Step-4

Connect the solenoid coil wire with 24V AC output wire of timer.



### Step-5

Connect the power supply with 220V AC Input wire of timer.



### Step-6

Cover all the electric wire with Gel Connectors.



## Troubleshooting Guide

- Controller not functioning:- check Input voltage of controller 220V AC
- When flush valve is not opening in auto mode –check input voltage of coil -24VAC .
- Coil not functioning
- Check & clean the finger filter mesh if clogged.
- Open the base of coil to check the smooth movement of plunger, if it is jammed then clean it & reassemble.
- Leakage comes from flush valve
- Do the manual flushing for long time to clean the tank & valve properly.
- Open & clean the flush valve rubber diaphragm (remove the stuck particles between rubber diaphragm & flush valve body & reassemble)

## HCF Auto Backflush - Part List

S.No	Parts	Qty
1	Auto flush controller	1
2	2"- ECV 3 way with 24V AC Solenoid coil -TxT -BSP	1
3	5 X 8mm PE Command Tube (black)	3 mtr
4	Reducer 2" M x 1" F	1
5	Finger filter	1
6	Elbow 1/8"	2
7	Elbow cap	3
8	Gel Connector	6