

# DOES YOUR FILTER MAKE A HOLE IN YOUR POCKET ?

You may be very vigilant on your Filter mesh. A slight hole in the Filter mesh can create a problem in your system. But, how vigilant are you on the cost of Filtration? **A right type and make of filter can create a fortune for you.**

You may save a lot of money on your replacements, repair, maintenance, power and labour costs. All you need is a Self Cleaning Filter.

OTOKLIN has a wide range of Self Cleaning Filters for your various needs.

Be it an Augmentation of existing Rapid Sand Gravity filtration or New plant or Conservation of Backwash waste water, Otoklin after right Solution based on water analysis with smart combinations of pre filtration followed by VAG Sand filtration technology to conserve 95% water.

These Filters eliminate the need for a standby unit, thereby making a substantial saving on capital cost.

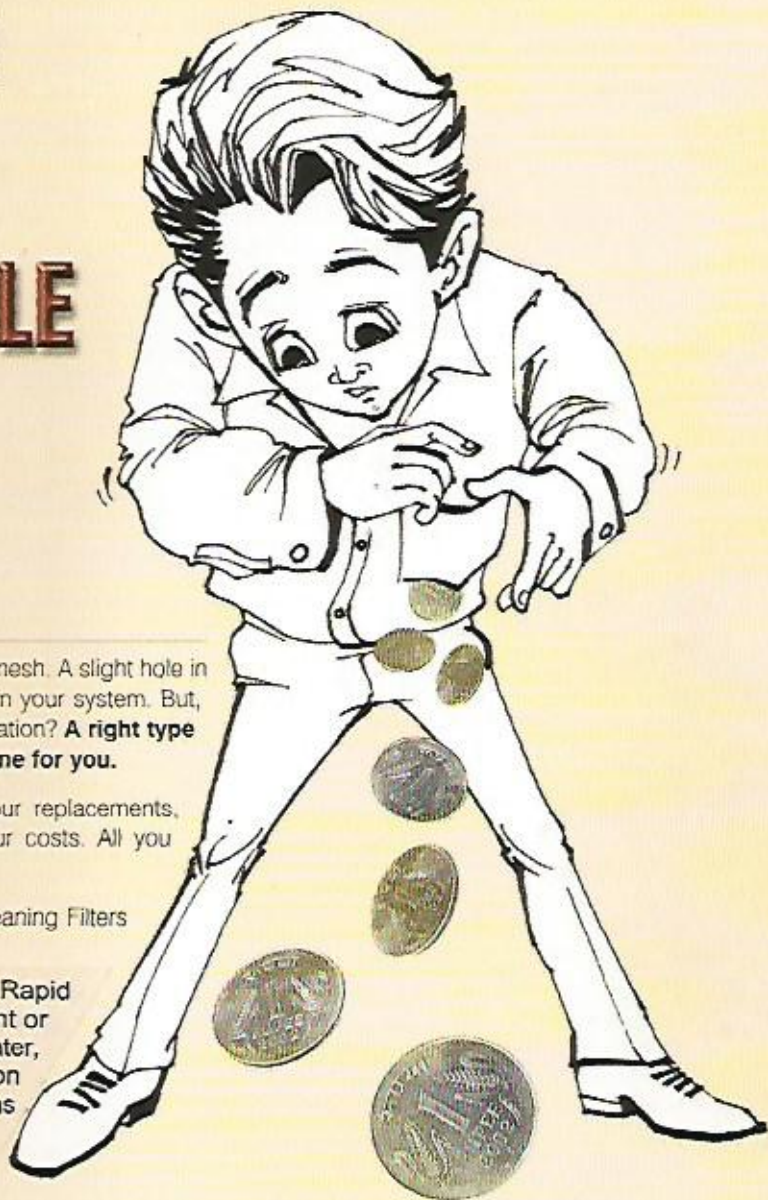
Due to its Self Cleaning construction, you save a lot on labour cost and costly down time which hinders your plant.

At OTOKLIN, we offer variety of configurations and range of models, each one to suit stringent duty conditions of your plant.

When you invest in an OTOKLIN Filter, we are certain that the bottomline of your plant will improve.

**Leaders in industry have already done so.**

**Why not you too profit from OTOKLIN ?**





# VALVELESS AUTOWASH GRAVITY FILTER

DERIVE ENERGY FROM THE CHEAPEST, SAFEST & SUREST SOURCE - **NATURE !**

## OUTSTANDING FEATURES :

**Wide Range: From 0.15 MLD to unlimited capacity with multiple units**

### **No Manpower :**

The Filter operates completely automatically. There is nothing to watch, to start and stop or to decide.

### **No Maintenance :**

Since there are no moving parts, there is no wear. Hence no maintenance (except normal periodical painting).

### **No Pumps :**

The backwash water is always stored in the unit at the proper elevation, therefore, no wash pump is needed.

### **No Electricity, Compressed Air or Pressurised Water :**

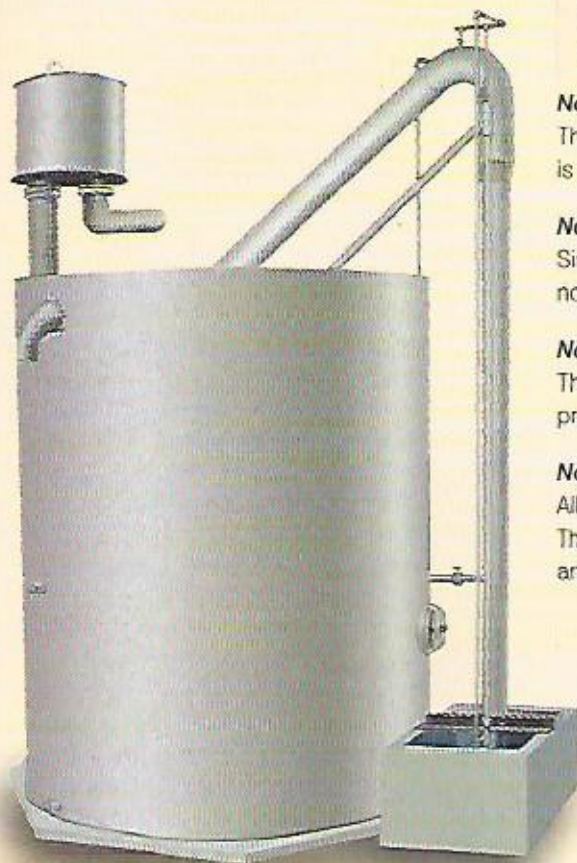
All operations are controlled by the unit itself and sequenced. Therefore, no need for controllers and operating consoles for any electric, pneumatic or hydraulic operation.

### **No scope for Human Error :**

The Valveless Filter eliminates the factors of human error. It cannot backwash too soon or too late, too fast or too slow, too much or too little. The complete rinse cannot be altered. Backwash or rinse water cannot be accidentally run to services.

### **No stand by :**

Filter does not require any Standby unit.



## VAG FILTER FOR PUBLIC HEALTH ENGINEERING SECTOR :

### **Advantages over Rapid Sand Gravity Filtration.**

No Pumps    No Blower    No Valves  
50 % Reduction on Backwash Waste water  
50 % less space requirement  
Reduced Project Costs  
Minimum Supervision  
75 % Reduction in O&M costs  
As per CDHEEO manual

### **FROM CLARIFIER**

**PURE  
WATER  
PUMP**

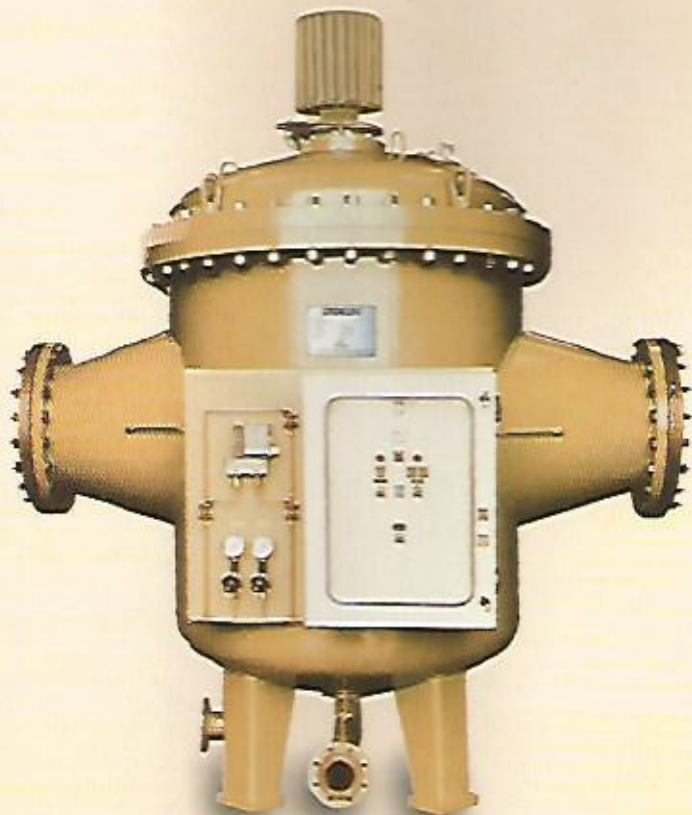


**CAPACITIES**  
from 0.15 MLD  
to  
Unlimited  
with combination  
of multiple Units

**"Ask us how can we help you conserve your backwash waste"**



# AUTOMATIC BACK FLUSHING FILTER



**FLOW RATE :** 22 to 6600 m<sup>3</sup>/hr

**SERVICE PRESSURE :** 2 to 25 bar

**MESH SIZE :** 50 micron and above

## **OPERATION :**

These Self Cleaning Filters are used for coarse to fine filtration of water. The cleaning of the filtering element and removal of sludge is automatically done without stopping the screening operation.

## **OUTSTANDING FEATURES :**

### **Wide range :**

4 models to suit flows upto 6600 m<sup>3</sup>/hr.

### **No Manpower :**

Contrary to Duplex Filters, no manpower required for change over or cleaning.

### **No scope of Human Error :**

In a conventional Simplex or Duplex Filter, one needs to keep an eye over increase in Pressure Drop and change the flow directions or isolate the Filter when the Pressure Drop exceeds the set value.

Our Automatic Back Flushing Filters do not need such human attention.

As soon as Pressure Drop exceeds set value, the Filter Mesh is automatically cleaned. During such cleaning operation, flow reduces only by 3% and that too for only a few minutes, depending upon the stickiness of impurities.

### **No stand by unit required :**

Our Automatic Back Flushing Filters do not necessitate a stand by unit. Filters are cleaned without interruption of flow.



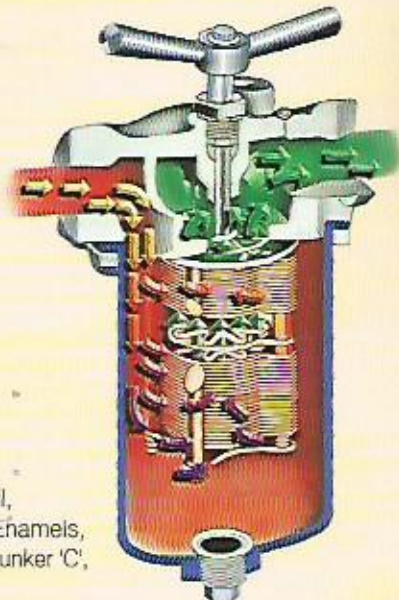
# SELF CLEANING FILTER

## SALIENT FEATURES :

1. Just turn the handle for cleaning - minimum operation cost.
2. No replacement needed.
3. Lowest pressure drop.
4. No risk of clogged cartridge.
5. Lasts the life of the plant.
6. Cleaning without interruption of flow - minimum out of service time.
7. Mesh size available upto 0.001" (25 Micron).
8. Small size, big capacity.
9. Cleaning without dismantling - No risk of fire.
10. Single unit can handle flows ranging from 5 lpm to 6000 lpm.

## TYPICAL APPLICATIONS :

Lubricating oil, Hydraulic fluids, Air cleaner oil, Cutting oil, Grease, Fuel oil, Quenching oil, Diesel oil, Wax, Tar, Paints, Emulsions, Cellulose, Resins, Ehamels, Detergents, Soaps, Glue, Dim water, Molasses, Rubber, Cement, Alcohol, Bunker 'C', Benzene, Methanol, Hydrogen, Nitrogen, Steam and so on ...



## MOTORISED SELF CLEANING FILTER

These performance-proven equipments are best suited where :

- Constant pressure drop is desired.
- The fluid is too viscous.
- The plant is costly and a shut down is not permitted.

Motor Drive starts at pre-set time interval or at pre-set pressure drop.  
This action combs out impurities and makes Filter Element clean to restore full flow.

## APPLICATIONS

- Paint, Tar, Grease, Lubricating Oil, Hydraulic Oil, Fuel Oil, Crude Vegetable Oil, etc.
- Used in Steel Plants, Machine Tools, Turbines, Boilers, Furnaces, Vegetable Oil, Refining Plant, etc.



**OTOKLIN**<sup>®</sup>  
GLOBAL BUSINESS LIMITED

Highest Rewards Through Finest Solutions in Filtrations

**Regd. Office :** E-410, Crystal Plaza, Opp. Infiniti Mall, New Link Road, Andheri (W), Mumbai - 400 053,  
Tel.: +(91) (022) 2673 2134/35/56 • Fax: +(91) (022) 2673 2123 • E-mail : salesotoklin@gmail.com