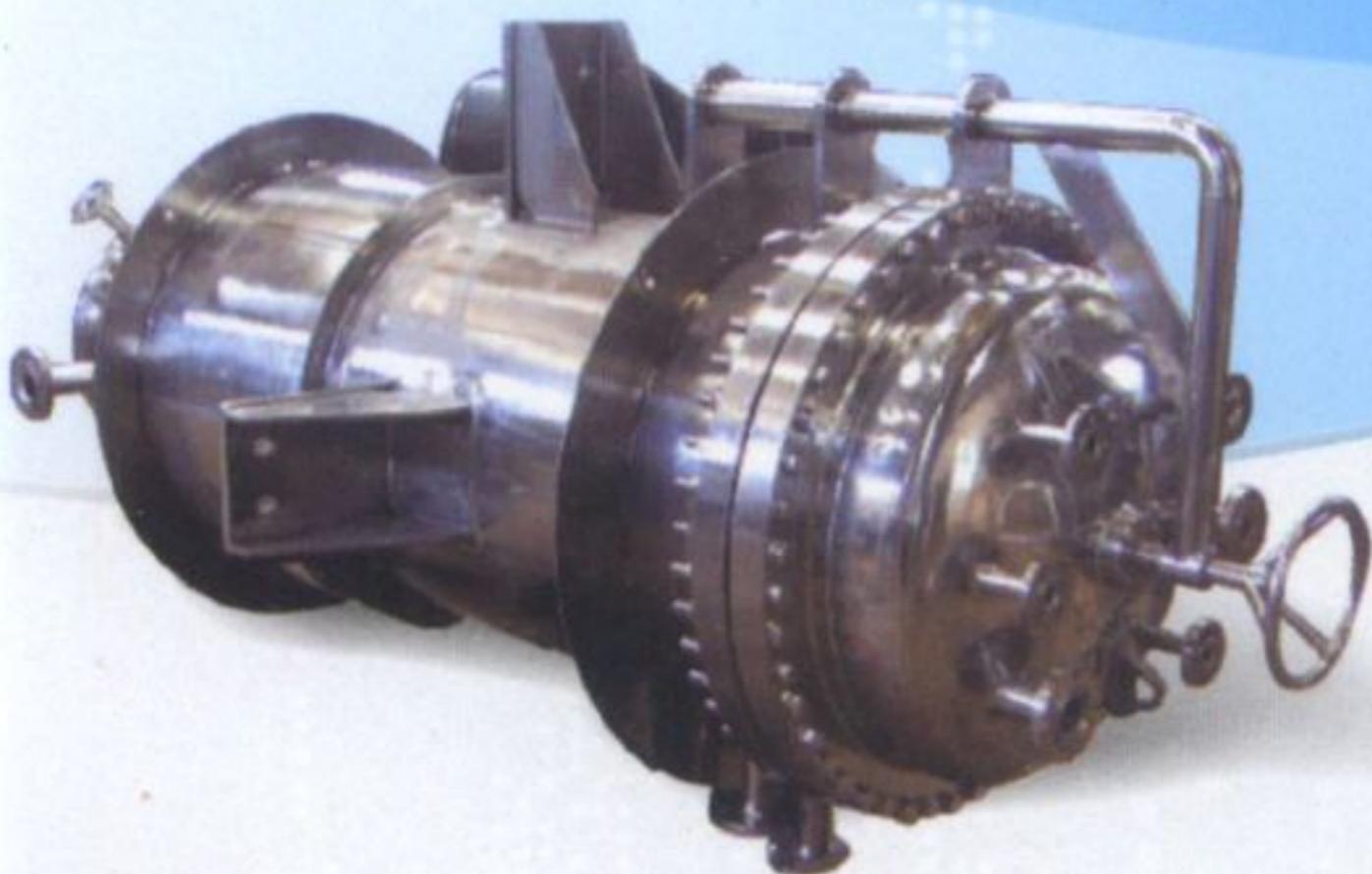
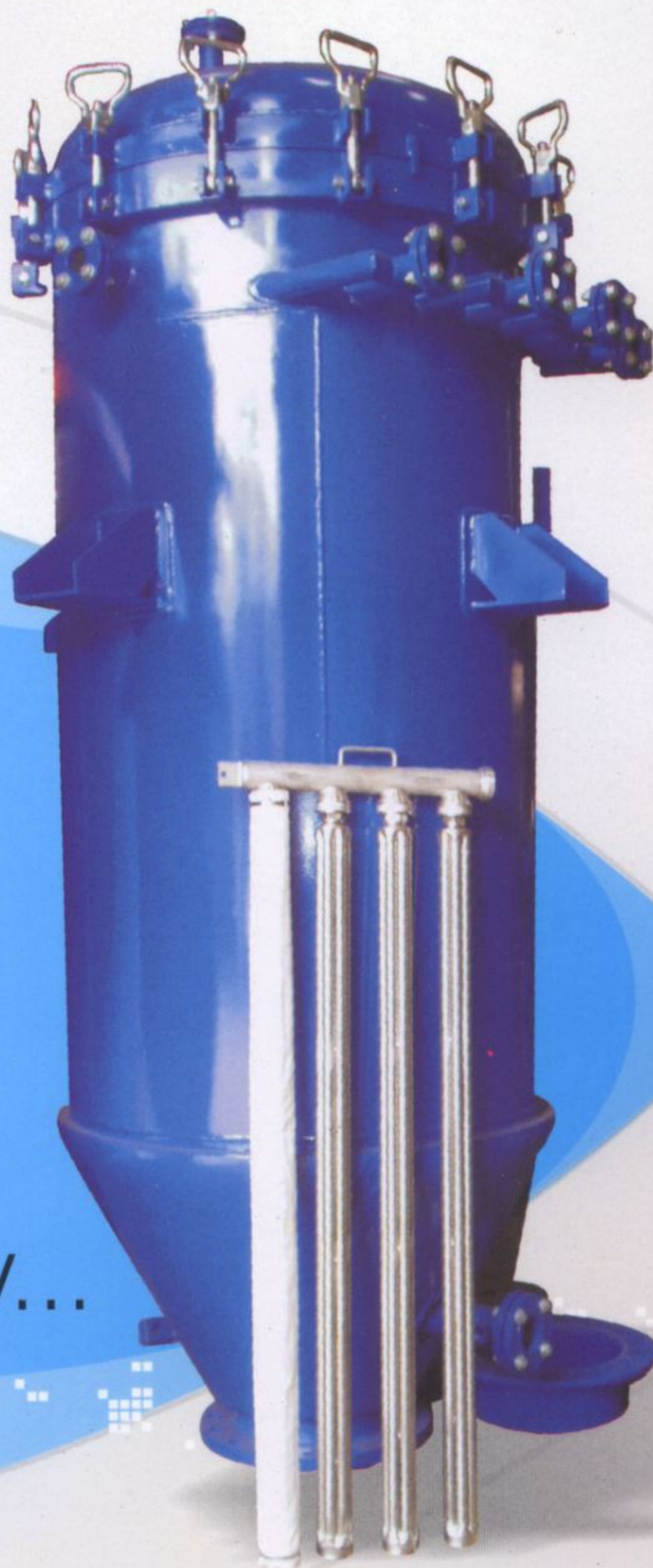




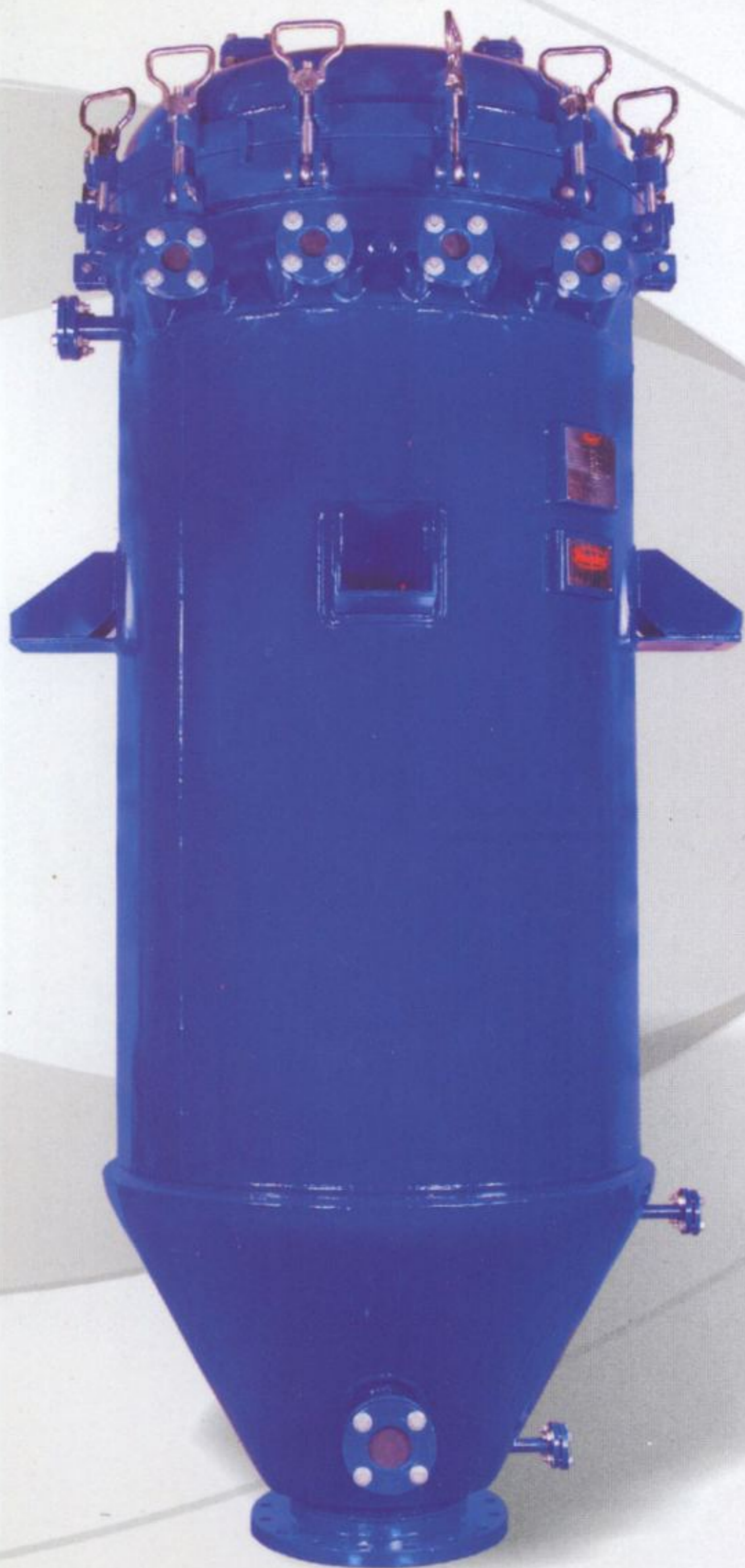
*Pulsejet*  
**CANDLE**  
*Filter*

Takes you to the  
new level of  
productivity...





# *Pulsejet* **CANDLE** *Filter*



## F E A T U R E S

No moving parts,  
No maintenance at all.

Back wash with high Pressure.

Hose-woven filter media can  
filter by pulse laundering,  
giving very clean media,  
maintaining high filtration rates  
without blinding the cloths.

Flexibility of slurry discharger or  
cake discharge.

Very high filtration rates.

Can be used as a  
continuous thickener.

Automatic discharge of cake by  
blow back, using low air volumes.

Filtration area increases by 50%  
during the cycles.

Whole system can be automated  
by microprocessor.

Heel Volume filtration possible.

SHARPLEX CANDLE FILTER consists of candle shaped filter elements made of Equi-Diameter pipes. Each candle is covered with filter hose made in Polypropylene or Polyester or Nylon or PVDF. These candles are arranged vertically in a pressure vessel. The number of candles depends on filtration area of filter. Filtration & Cake formation takes place under the pressure. Wet or dry discharge is possible by means of blow back. Two filters are installed for continuous operation.

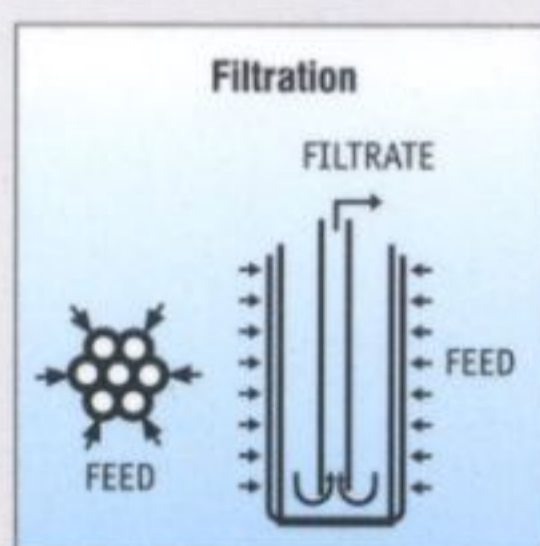
**Candles in PP, PVDF available.**

**Filters with filtration area upto 200m<sup>2</sup> are available.**

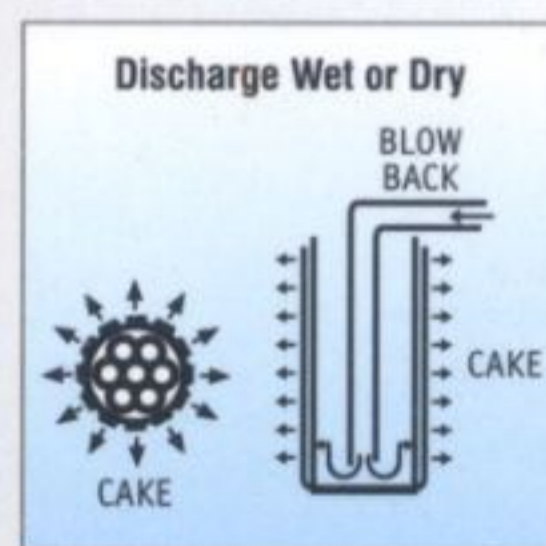


Internal view of Candle Filter

## OPERATION



During the filtration, the feed slurry enters the candle through filter hose. The cake sits on the hose and filtrate is discharged through central tube to the manifold above.



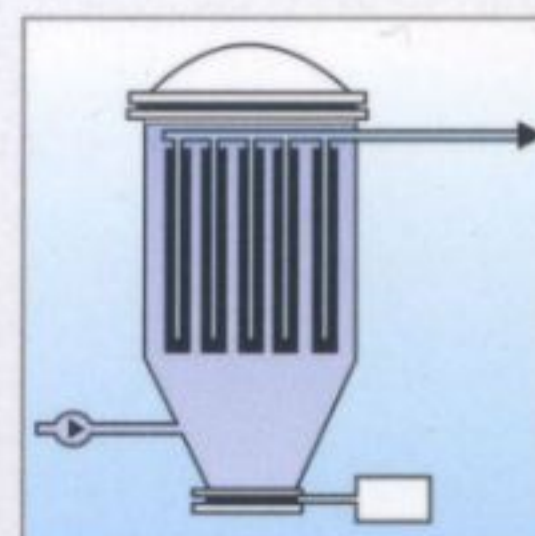
After the filtration cycle, the cake is discharged by blowing back with compressed air or liquid stroke. The cracks are developed on the cake and thrown off. In case dry cake discharge is desired, cake needs to be dried before dislodging. Continuous on line thickening is also possible.

# CANDLE Filter

*GMP model in  
Hastalloy C - 276*



## AUTOMATIC SEQUENCE



A Sharplex Candle Filter can be supplied with complete PLC System for automatic operation.



# INSTALLATIONS

Installation of Sharplex Pulsejet Candle Filter  
at Indonesian Plant



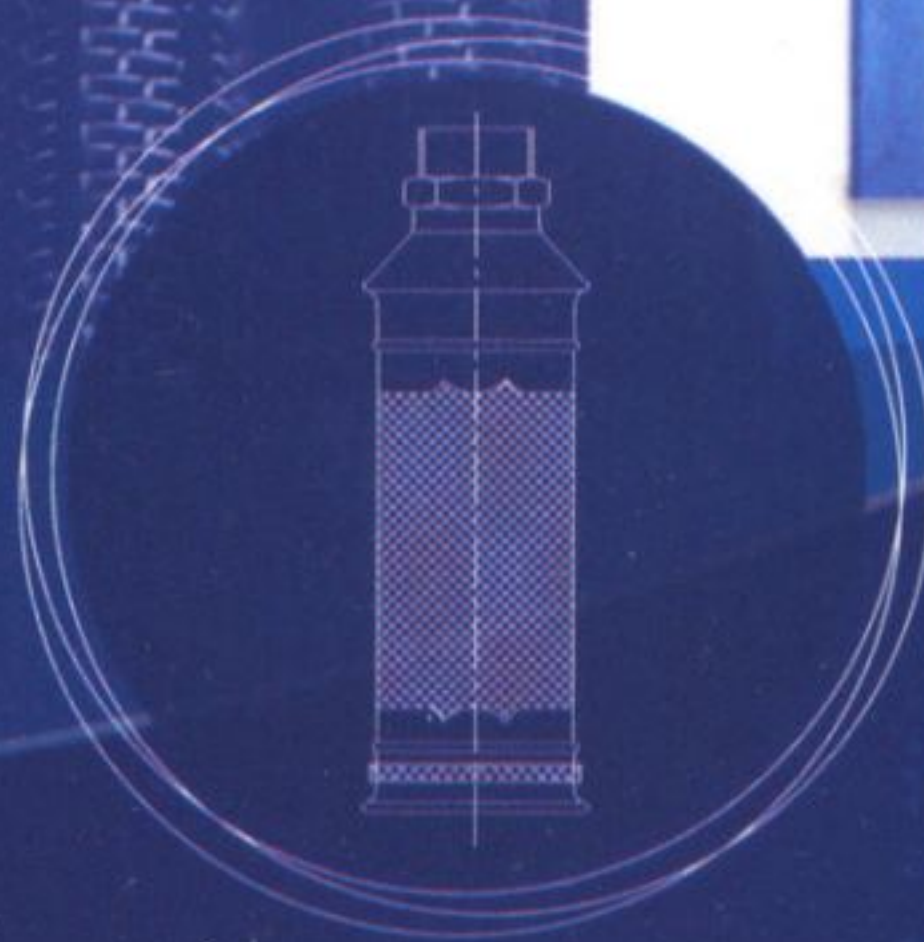
• Installation of Sharplex Pulsejet Candle Filter  
at Ciba Speciality, Singapore

Polishing Filtration made simple



*Pulsejet Candle Filter for*  
**POLISHING  
FILTRATION**

Sharplex now introduces "Pulsejet candle filters" for 'polishing filtration' in place of single or multiple bag filters. These filters can be installed for polishing filtration after any type of pre-filtration.



## A D V A N T A G E S

Automatic back flushing of solids

No opening/closing filter every now or then for changing/removing bags.

Filter cloth used is very durable hence no frequent changing of cloth.

No consumption of filter bags.

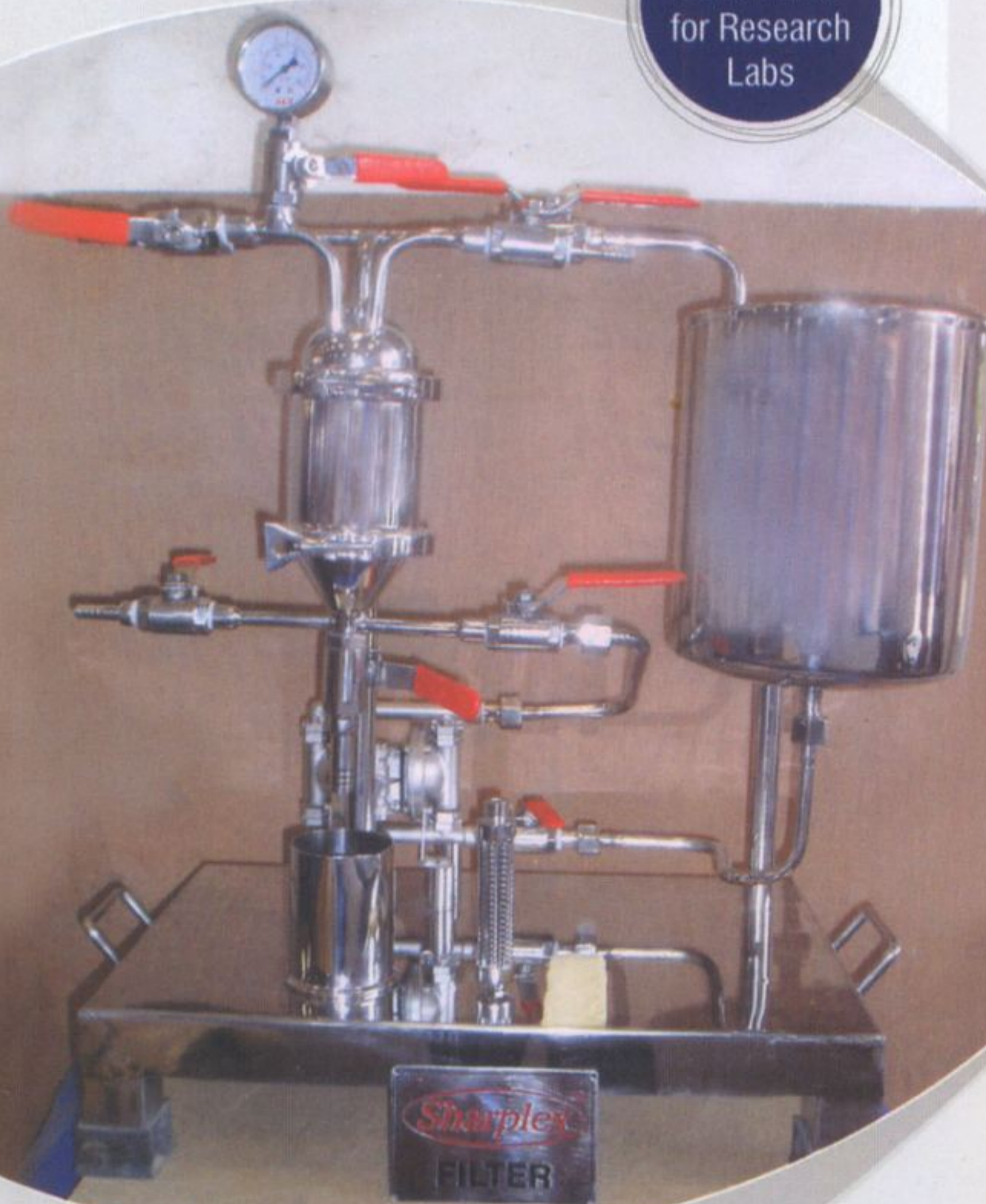
Compact design.

The whole process can be automated by PLC.

# Pilot Plant

You can also avail the facility of instant trials on our pilot plant at our factory.

Laboratory  
candle filter  
for Research  
Labs



## A P P L I C A T I O N S

Catalyst

Activated carbon

Clarification of Antibiotics  
Solution

Polymers Separation / Recovery

Brine Filtration

Beverage

Bleaching Earth

Fruit Juices

Spin bath Filtration

Wax separation

Glucose / Starch

Polishing Filtration



**SHARPLEX FILTERS (INDIA) PVT. LTD.**  
AN ISO 9001:2000 COMPANY



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