



'EXCEL' AUTOMATIC BACKWASH FILTRATION SYSTEMS



To meet critical filtration requirements for:

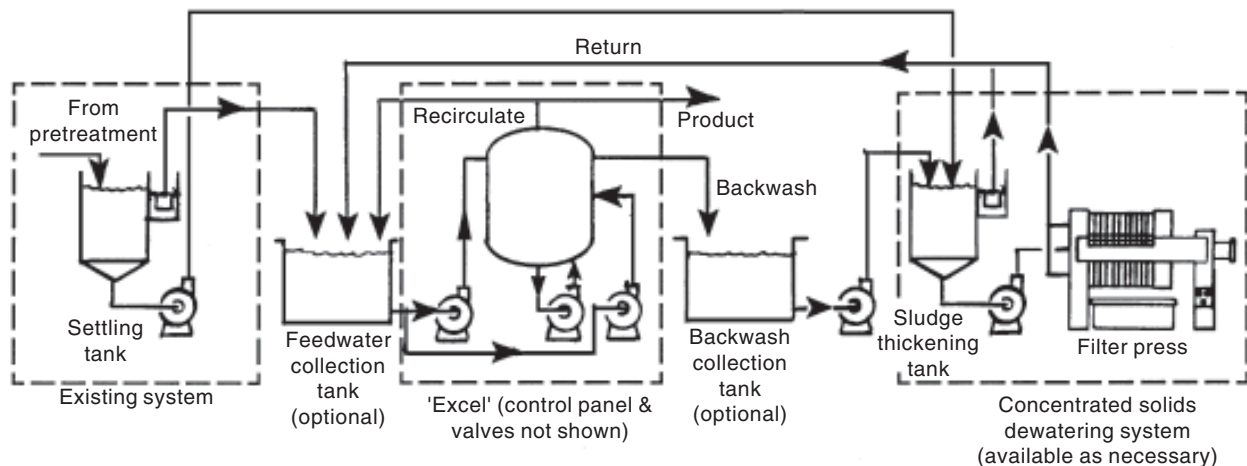
**INDUSTRIAL WASTE TREATMENT
PREFILTRATION ON R/O AND
DESALINATION PROCESSING
CPI AND FOOD INDUSTRY APPLICATIONS**

- **Completely automatic microprocessor controlled**
- **Patented "up flow" design utilizing permanent floating media**
- **Corrosion resistant construction**
- **Large solids holding capacity**
- **Submicron particle retention**
- **Follows other pre-filters**
- **Does not require external, clean backwash fluid**

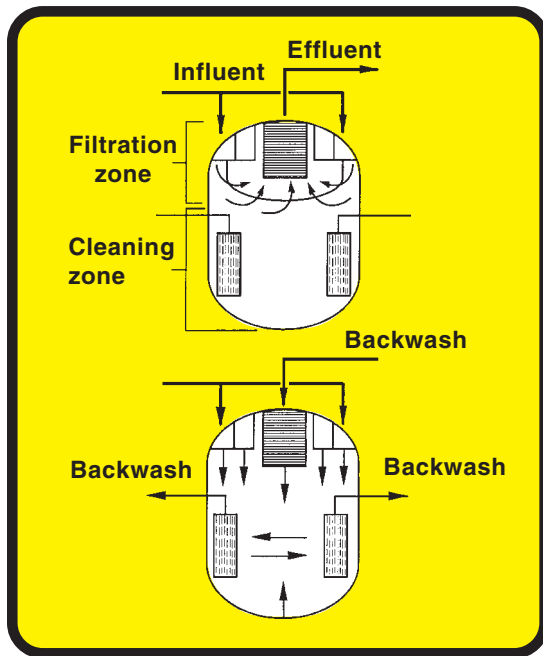
The 'Excel' Filtration System is an automatic backwash filter which utilizes a floating permanent media and unique "up flow" design to achieve sub-micron particle retention with single pass filtration. The 'Excel' Filtration System is specifically designed for final particulate entrapment in critical applications that cannot be met with other filtration methods.

The 'Excel' does not require disposable filter media, since it cleans itself automatically by means of a controlled backwash cycle which scrubs the unique floating media and discharges the concentrated residue to a receiving tank.

SINGLE FILTRATION SYSTEM



'EXCEL' FILTRATION SYSTEMS



Filtration is accomplished by a floating bed of ground polyethylene creating a dense filter media for retention of submicron particles, assuring a high degree of clarity. The flow pattern produces a high square footage of filtering area and results in high solids holding capacity, assuring a long filtration cycle.

The 'Excel' Filtration System automatically enters the backwash mode on a differential pressure signal. The filter media is scrubbed clean and free of all solids which exit the chamber through barrier screens that retain the filter media. The system automatically returns to the filtration mode with the floating media bed surrounding the discharge retention screen. All modes are pre-programmed for time duration and flow rate to achieve optimum performance of each. Feed water and backwash tanks are required of the approximate size shown and are available independent of the filtration system.

FEATURES - SPECIFICATIONS

- Epoxy lined chamber with polyethylene filter media
- Panel with programmable microprocessor
- Electrically actuated valves (eight)
- Manually adjustable isolation and throttling valves (seven)
- Pump-motor assemblies (three)
- Level controls for feedwater and backwash tanks
- Flow meter
- Pressure switches and gauges
- Air regulator
- Skid mounted, completely assembled, pre-wired and tested to fit your application
- Unit supplied with PVC or CPVC pipe, valves and fittings



**Pilot unit available for rental.
Consult Sales Dept.**

MODEL NUMBER	FILTER MEDIA VOLUME		PIPE SIZE NPT	MAXIMUM FLOW RATE		FILTER CHAMBER SIZE dia. x ht.	*COLLECTION TANKS		PRICE CODE NUMBER
	cu. ft.	cu. m		GPM	LPM		Gal.	Liters	
EXCEL25	16	.45	2"	75	284	36" x 72"	960	3634	2854
EXCEL30	20	.57	2½"	100	378	42" x 72"	1300	4921	2855
EXCEL48	40	1.13	4"	200	757	60" x 72"	2660	10069	2857

Plant air supply and electrical service required.

* Separate feedwater and backwash collection tanks required and optionally supplied as necessary.

F.O.B. Northbrook, Illinois

Specifications subject to change without notice.



SERFILCO®

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