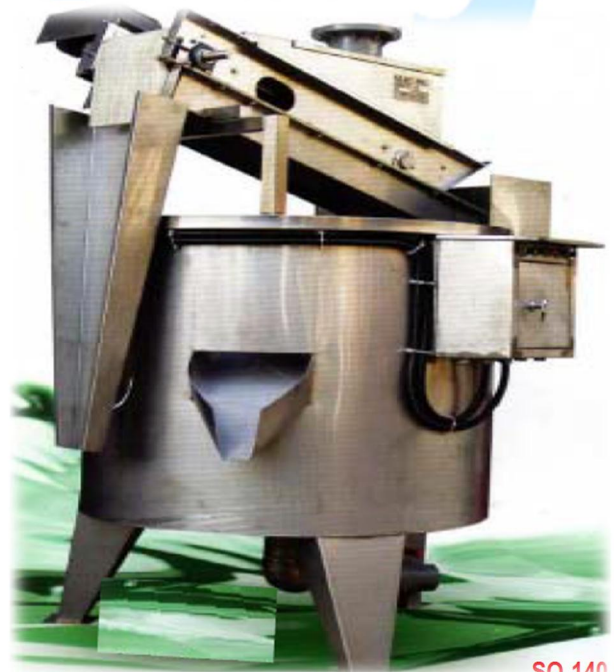
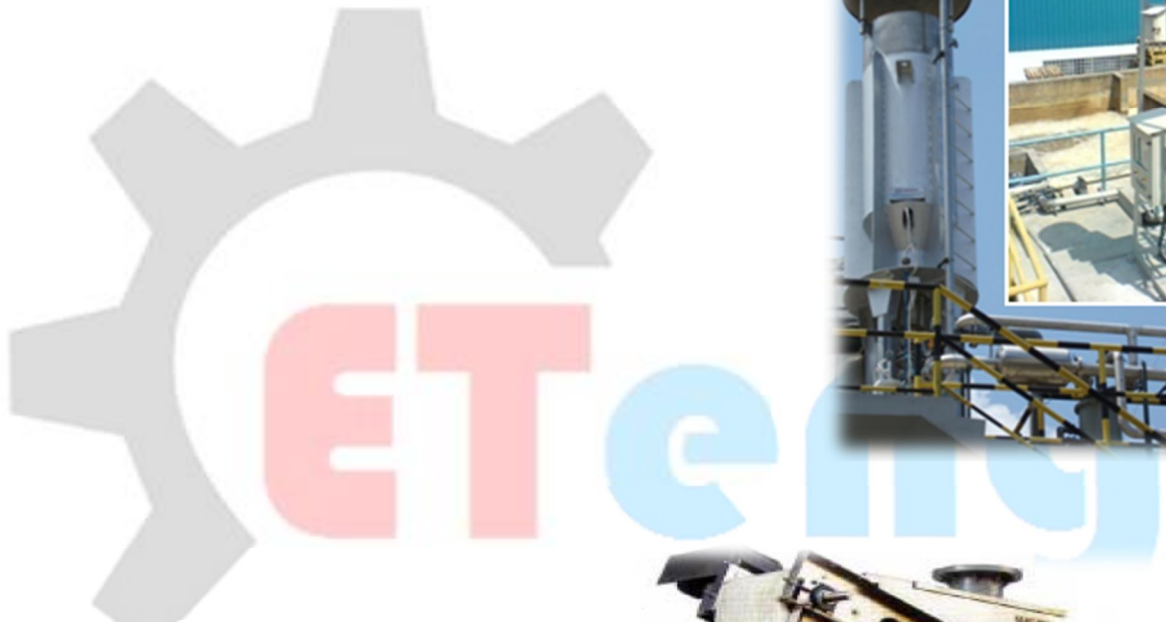




ExelTech Engineering Sdn Bhd

壹鼎環保設備有限公司



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# Company Introduction



We, **ExelTech Engineering Sdn. Bhd.** are one of the leading exporter / importer of high quality and economical environmental equipment direct from manufacturer and inventor.

Our products include Screening System (Bar, Rotating, Drum, Curved), Solid Separation System (DAF, Clarifiers, Inclined Plate), Anaerobic System (3 Phase Separator, BioGas Flare), Aeration System (Diffusers, Aerators, Blower), Dewatering System (Drum/Screw Thickener, Screw/Belt/Filter Press), Chemical Preparation System (Dissolving Unit, Agitator, Mixer).

We are eager to establish a good business relationship with you. With quality, value and performance as our promise, **ExelTech** staff is always ready to assist you with expertise and dedication.





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## DISSOLVED AIR FLOTATION (DAF)

### Oil & Grease, Suspended Solid Purifier for Water & Wastewater

#### General Description

Dissolved Air Flotation (DAF) is used to separate emulsified fats, oils, greases (FOG), suspended solids and to reduce BOD from continuous flow.

The central part of the DAF consists two circular sections. The inner section contains the sludge well and is fixed while the outer section rotates along with the spiral scoop at a speed synchronized with the flow. The inlet, outlet and sludge removal mechanisms are located in the central rotating section.

The variable speed gear more drives the rotating elements and the scoop, for which electrical current is fed from a rotary contact mounted on the central shaft. Un-clarified water is released through a rotary joint in the center of the tank.

#### Advantages

- ✚ Low retention time
- ✚ Low Space requirement
- ✚ Excellent solution for high flowrate
- ✚ High clarification efficiency

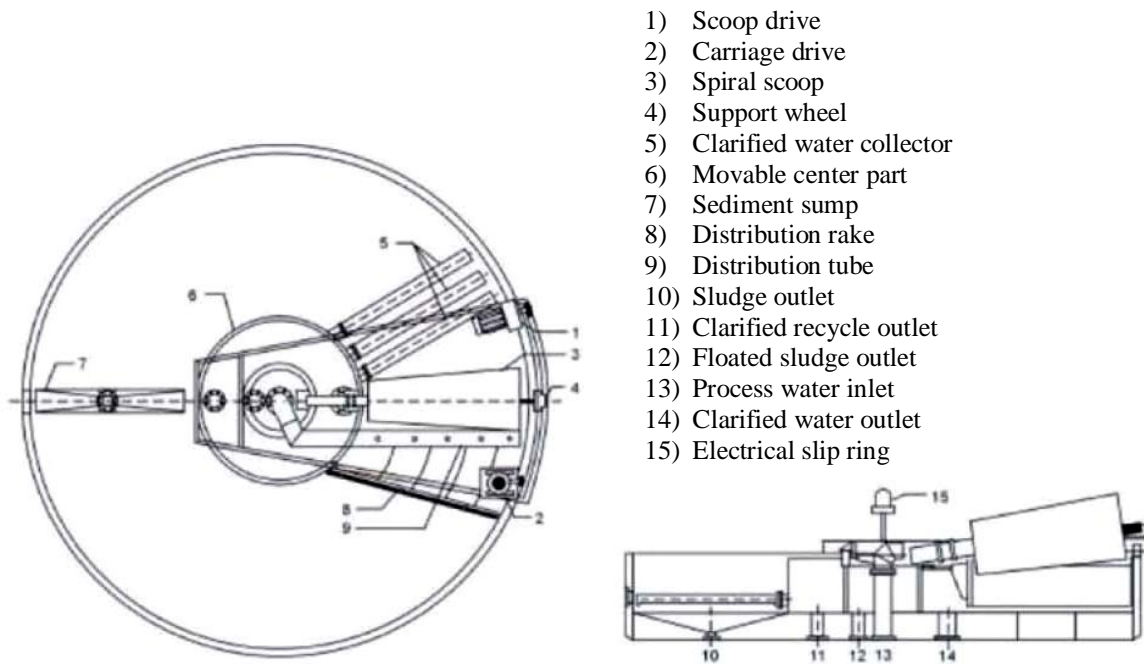
#### Application

- ✚ Dairies & Food Industries
- ✚ Poultry and Slaughter Houses
- ✚ Meat / Fish Processing and Packing
- ✚ Industrial Kitchen and Canteens
- ✚ Vegetable Oil & Coke Processing
- ✚ Tannery industry
- ✚ Textile / Pulp & Paper Industries
- ✚ Petrochemical Industries



# DISSOLVED AIR FLOTATION (DAF)

Oil & Grease, Suspended Solid Purifier for Water & Wastewater



- 1) Scoop drive
- 2) Carriage drive
- 3) Spiral scoop
- 4) Support wheel
- 5) Clarified water collector
- 6) Movable center part
- 7) Sediment sump
- 8) Distribution rake
- 9) Distribution tube
- 10) Sludge outlet
- 11) Clarified recycle outlet
- 12) Floated sludge outlet
- 13) Process water inlet
- 14) Clarified water outlet
- 15) Electrical slip ring

## Specification

*Specification subject to change without notice due to technical modifications*

Model	Dia. (mm)	Max. Capacity (m <sup>3</sup> /hr)	Motor Scoop (kW)	Motor Carriage (kW)
DAF-24	2400	27	0.37	0.37
DAF-32	3200	48	0.75	0.55
DAF-39	3900	72	0.75	0.55
DAF-45	4500	96	0.75	0.75
DAF-55	5500	144	1.1	0.75
DAF-61	6100	175	1.1	0.75
DAF-67	6700	210	1.5	1.1
DAF-72	7200	244	1.5	1.1
DAF-81	8100	308	1.5	1.5
DAF-90	9000	380	2.2	1.5
DAF-100	10000	470	2.2	2.2
DAF-110	11000	570	3.75	2.2



## SOLID & GREASE SEPARATOR for Water & Wastewater

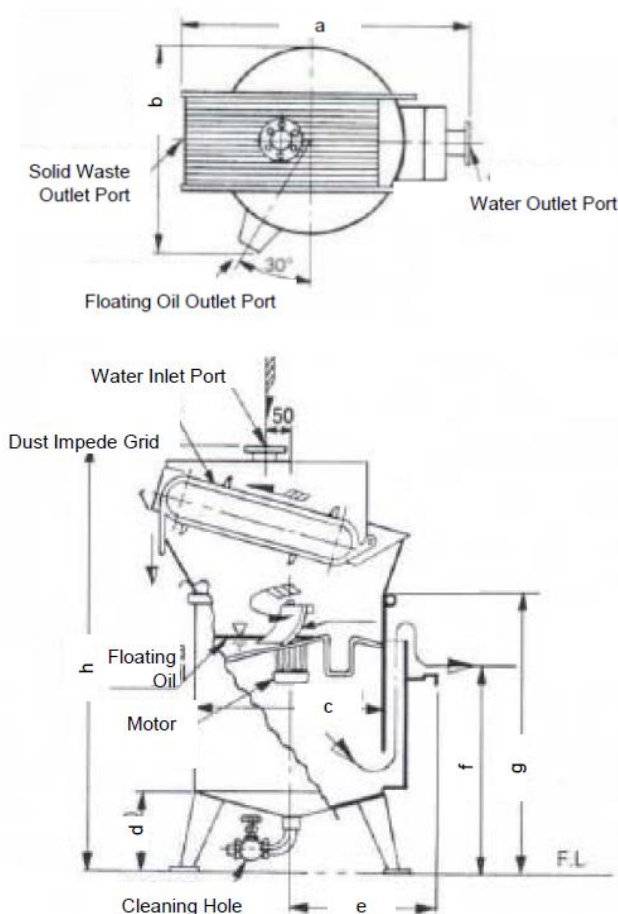
### Features

- ✚ Vegetable residues, floating oil, soapy paste oil or stiff lump can be taken out respectively and simultaneously
- ✚ Power consumption is 0.5HP motor
- ✚ Oil scraper is made by stainless steel (not by rubber), having long life and problem of rubber hardening is eliminated

### Specification

Dimension, mm	TISO-970	TISO-1200	TISO-1400
a	1530	2000	2200
b	1100	1500	1700
c	970	1200	1400
d	600	600	600
e	775	950	1100
f	1000	1500	2760
g	1300	1950	3040
h	1680	2520	3800

- ✚ *Specification subject to change without notice due to technical modifications*



# MECHANICAL BAR SCREEN

## Filtering Machine for Water & Wastewater

### Purpose

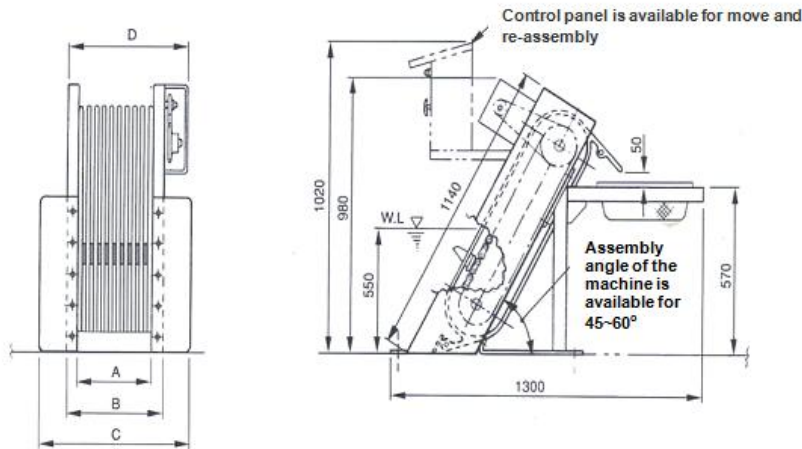
To filter and remove coarse material in the water by screen interception to protect the pipes and pumps from tearing and wearing

### Features

- ✚ Close O-type grating bars. Harrow pawl and grating bars never hit each other.
- ✚ Safety pin breaks automatically if there is something blocked on harrow pawl.
- ✚ Never block; continuous water flow.
- ✚ Electrical panel included rainproof covers to protect the motor and control panel.
- ✚ 24 hours timer control device

### Application

- ✚ Pulp and paper factory
- ✚ Food and beverages industry
- ✚ Municipal wastewater
- ✚ Dye industry



### Specification

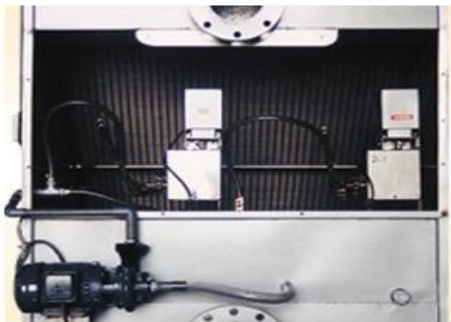
Model	BS-3×5				BS-5×5				BS-7×5				
Gap of Grating Bars (mm)	1	2	3	5	1	2	3	5	1	2	3	5	
Capacity (m <sup>3</sup> /hr)	40	70	90	120	80	140	180	240	120	210	270	350	
Available for the Width of Ditch (mm)	300 – 505				505 – 715				715 – 900				
Available for the Depth of Ditch (mm)	550 mm (max)												
Power (W)	60												
Machine Weight (kg)	35				47				60				
Dimension (mm)	A	215				425				635			
	B	295				505				715			
	C	465				675				885			
	D	345				555				765			

# SIEVE SCREEN

## Fine Solid Filtering Machine for Water and Wastewater

### Features

- ✚ Machine frame is manufactured by SUS#304
- ✚ Filter screen hole dia. Can be selective according to different occasion required
- ✚ Specialize in treating the industrial and general waste water
- ✚ Auto clean device (optional type # GN), it can present time clean the filter screen. The nozzle is driven by gear box, and its structure is firm and solid. (Without having the troubles of steel rope being broken or the disordered filter.)



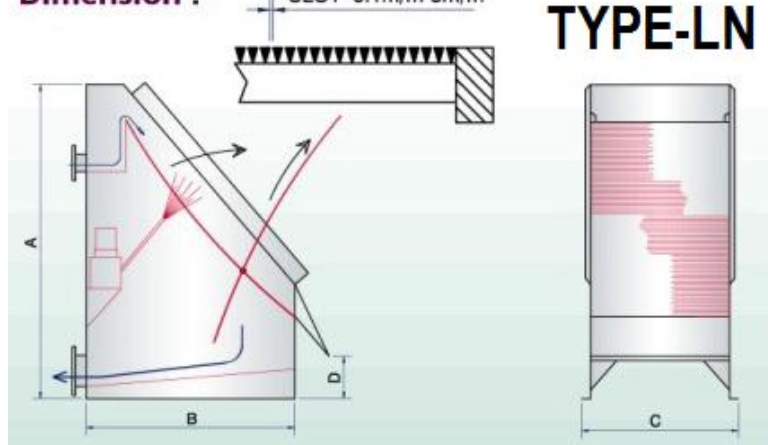
Gear type reverse cleaning machine (optional)



Dismount and reverse screen without tools

Dimension :

SLOT 0.1m/m-3m/m



**TYPE-LN**

### Specification

TYPE	A	B	C	D	Inlet	Outlet	Pump	High Pressure	Nozzle ( motor)	Slots (mm)	Capacity
LN-60	180	120	70	30	2"-4"	3"-6"	1/2HP	1 HP 30KG/CM2	25W x 1	0.5/0.75/1.0	Max. 100 Ts/Hr
LN-120	180	120	130	30	3"-6"	4"-8"	1 HP	2 HP 30KG/CM2	25W x 2	0.5/0.75/1.0	Max. 200 Ts/Hr
LN-150	180	120	160	30	4"-8"	6"-12"	1 HP	2 HP 30KG/CM2	25W x 3	0.5/0.75/1.0	Max. 250 Ts/Hr



# MEMBRANE BIOREACTOR (MBR)

## Overview & Facts

Membrane bioreactor (MBR) is a wastewater treatment that combines biological activated sludge processes with membrane filtration. Submerged membrane module (SMM) is a compact module system designed to submerge in aerobic tank. Its small membrane pores of 0.055um retain activated sludge, suspended matter, bacteria and viruses in the biological reactor, allowing only liquid to pass through. This results in a much higher effluent quality than conventional systems.

**MBR** Is able to operate efficiently at high mixed liquor suspended solids (MLSS) of up to 15,000mg/l, allowing much longer sludge retention time (SRT) of more than 30 days; High MLSS and long SRT produce 30% to 70% less sludge and require only small process basins; hence the overall plant footprint can be 50% to 70% smaller than SBR system.

Different treatment levels are shown below along with typical effluent quality\*<sup>2</sup>.

BOD <sub>5</sub>	<2mg/l
TSS	<2mg/l
Total Nitrogen	<6mg/l
Ammonia	<0.2mg/l
Phosphorus	<1.0 mg/l
Fecal coliform	<100CFU/100ml
Turbidity	<0.1 NTU
SDI <sub>15</sub>	<5

\*<sup>2</sup> Dependent upon upstream biological process.

## Submerged Membrane Module (SMM)

Is a compact module system designed to submerge in aerobic tank. It has detachable frames, membrane frame on the top and air diffuser frame at the bottom. The air diffuser at the bottom produce air bubbles across membrane surface which create shear force that limits build up on the membrane. The membrane frame can be dismantle without affecting the piping to the air diffuser, make it very easy for CIP. Waterions SMM can be conveniently fit into new setup WWTP or retrofits into existing WWTP.



## Specification

Model		SMM 32.51
Membrane	Type	Hollow Fiber
	Material	Enhanced PVDF
	Pore Size	0.55 µm
	Tensile Strength	>10 kgf/per fiber
	Tolerated pH	2-12
	Operating Temperature	2°C – 45°C
	Frame Material	ABS
Single Module	Membrane Filter Area	163.2m <sup>2</sup>
	Capacity	70 – 105m <sup>3</sup> /day
	Module Size (WxLxH)	630 x 1,104 x 2,300mm
	Proposed MBR Tank Depth	3,300mm
	Back Wash Water	130LPM @ 1.2kg/cm <sup>2</sup>
	Aeration Mode	Coarse Bubble Aeration Ring
	Frame & Base Material	SUS304
Outlet & Backwash Connection	65mm direct or flange	

# ULTRAFILTRATION (UF)

## Filtering System for Water and Wastewater

### Overview & Applications

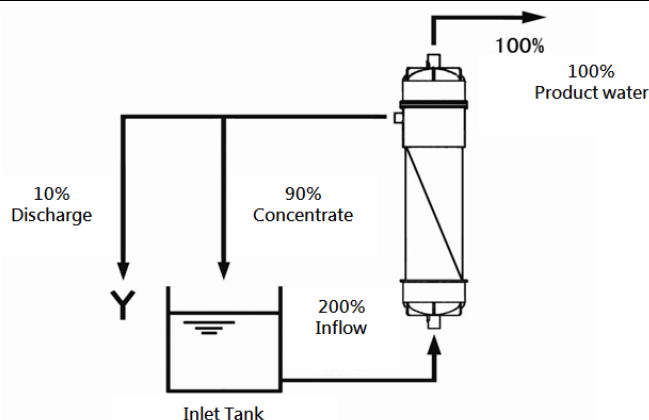
**Ultrafiltration (LD-CMF)** has used the Enhanced PVDF Hollow Fiber Membrane, as opposed to other type membrane (flat, tubular, roll), has a stronger anti-pollution ability, and high strength of membrane. The advantage of LD-CMF is low pressure, high flux rate, high filtration area, and can be backwash, is widely used in water reuse field.

- ✚ Membrane Type: PVDF Hollow Fiber Membrane
- ✚ Filtration mode: Outside-in
- ✚ Configurations: Trans-membrane Pressure is generated in the feed by a pump, while the permeate stays at atmospheric pressure.
- ✚ Cross-flow membrane filtration uses a high cross flow rate to enhance permeate passage and reduce membrane fouling.



### Specification

Item No.	LD-CMF 500	LD-CMF 1000
Product Rate	500CMD (21m3/hr)	1000CMD (42m3/hr)
Dimension	5mL×0.85mW×1.95mH	5.0mL×2.0mW×1.95mH
No of LD CMF	LD-06×36sets	LD-06×72sets
Product Rate	90 %	
E Coli. Remove Rate	99.99 %	
Inflow pump	42 m3/hr@1.5kgf/cm2	84 m3/hr@1.5kgf/cm2
Backwash Pump	30 m3/hr@1.2kgf/cm2	60 m3/hr@1.2kgf/cm2
Chemical clean	1000L/min@2.5 kgf/cm2 Non-oil air	2000L/min@2.5 kgf/cm2 Non-Oil air
Flush Air needed	2000mg/L NaOCl	
Raw water req.	Bio sedimentation, on process clean water	
Clean mode	takedown chemical clean	
Accessory	Control panel SUS304 manifolds and UPVC drain pipe Control valve	



# COMBUSTION & ENERGY RECOVERY

## Introduction

Biogas produced from anaerobic wastewater treatment plant can generate electric power. Besides, Biogas can be also used as alternative fuel for boiler, hot water generation etc. Excess of biogas is to be flared by high efficient combustor and burner for total organic carbon destruction - Enclosed/Semi/Open Flare system

## Benefits

- ✚ Energy recovery
- ✚ Cost saving
- ✚ Renewable energy
- ✚ Environmental friendly

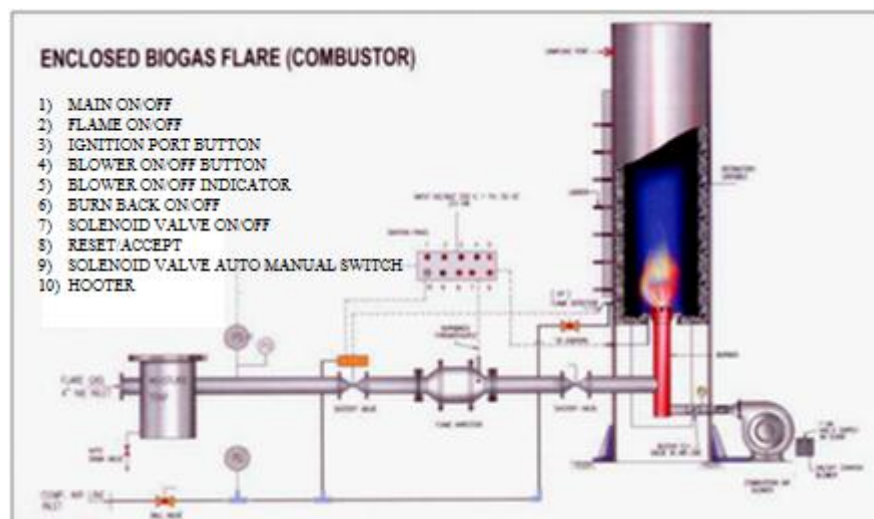
## Biogas Flare System

- **Enclosed Flare**
  - ✚ No visible flame
  - ✚ Automatic Ignite system
  - ✚ >99% VOC destruction
- **Semi-Open Flare**
  - ✚ Minimum visible flame
  - ✚ Low cost
  - ✚ >99% VOC destruction
- **Open Flare**
  - ✚ Visible flame
  - ✚ Low cost
  - ✚ >99% VOC destruction

➤ Semi-open flare system



➤ Enclosed flare system





### Biogas Power Generation System



↖ Power generation from food & beverage industry wastewater, Taiwan



↖ 1MW power generation plant, India



# AERATION SYSTEM – DISC DIFFUSER

## Purifying Apparatus for Water & Wastewater

### Structure

- ✚ Membrane: Adopted the EPDM-NEWPLAN to melt. It can restrain the ageing effectively of the membrane, and protect the using life
- ✚ Spreading hole: adopted the ^ shaped for perforating to prevent adverse of waste water effectively and the bubble would be less than 0.3mm during aeration
- ✚ Base: adopted the NYLON+A.B.S. produced by hard plastics. It could prevent it out of shape

### Scope of Application

- ✚ Active the clean water
- ✚ Place of dealing with wastewater
- ✚ Promote the oxygen in lake and river
- ✚ Promote the oxygen in lake and river
- ✚ Stable the MLSS

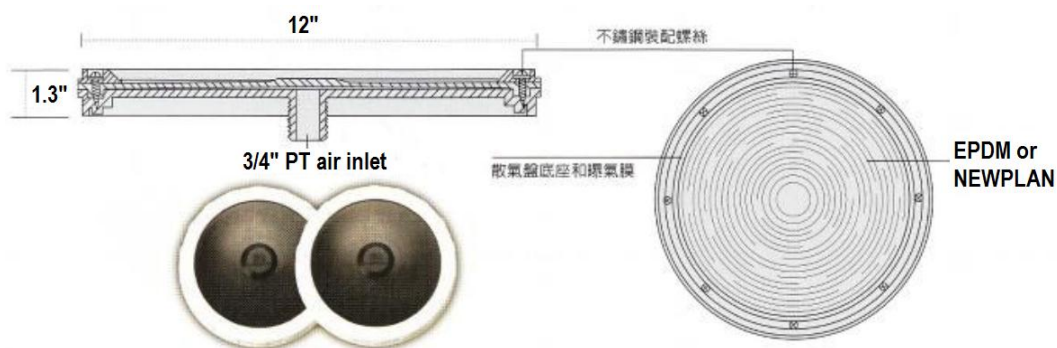
### Advantage

- ✚ High oxygen transfer efficiency
- ✚ Low pressure loss
- ✚ High resistance to corrosion
- ✚ Easy installation
- ✚ Intermittent operation capability
- ✚ Water-stirring effect
- ✚ Self cleaning operation
- ✚ Back flow prevention
- ✚ Low flow to operation
- ✚ Flexibility & durability



### Specification

Model Number	Dimension	Flow Range (LPM)	Membrane	Base	Hardware
Disc-200	6" × 2.3"	20-100	EPDM-NEWPLAN	FIBER + A.B.S.	BOLTFIJED
Disc-250	10" × 2.3"	20-150	EPDM-NEWPLAN	FIBER + A.B.S.	BOLTFIJED
Disc-300	12" × 2.3"	20-280	EPDM-NEWPLAN	FIBER + A.B.S.	BOLTFIJED
Disc-350	13.5" × 2.3"	20-310	EPDM-NEWPLAN	FIBER + A.B.S.	BOLTFIJED



# AERATION SYSTEM – AERATORS & ADAPTERS

## Purifying Apparatus for Water & Wastewater

### Scope of Application

- ✚ Urban wastewater treatment
- ✚ Industrial wastewater treatment
- ✚ Clean water treatment
- ✚ To stabilize the sludge
- ✚ Ozone diffusion in the wastewater
- ✚ Fishpond aeration
- ✚ River and lake aeration

### Advantages

- ✚ High efficient oxygen transfer
- ✚ Effectively preventing blocking; with automatic cleaning function
- ✚ Effectively preventing corrosion
- ✚ Extensive airflow scope
- ✚ Low loss of pressure
- ✚ Low energy cost
- ✚ Easy to install
- ✚ Preventing backflow
- ✚ Strong intermittent operation capability
- ✚ Eliminating the buoyancy
- ✚ Strong tenacity of EPDM aeration membrane

## AERATOR

### Specification

Model	Size	Aeration Membrane	Structure	Amount of Wind (l/min)
TUBE-65-300	1/2" × 2.5" × 3/4" NPT	EPDM or Vition	PVC or ABS	10-80
TUBE-65-600	24" × 2.5" × 3/4" NPT			30-250
TUBE-65-1000	39" × 2.5" × 3/4" NPT			50-320
TUBE-95-300	12" × 3" × 3/4" NPT			30-250
TUBE-95-600	24" × 3" × 3/4" NPT			50-250
TUBE-95-1000	39" × 3" × 3/4" NPT			50-320



## ADAPTOR

### Specification

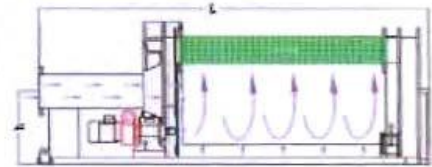
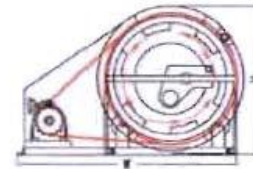
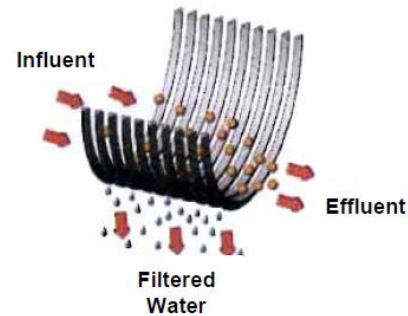
Model	Size	Screw Nut	Material
DK-2-01	Ø61mm × 4mm	3/4" NPT	Nylon + Fiber
DK-3-01	Ø91mm × 4mm	3/4" NPT	Nylon + Fiber
TU-3-01	Ø91mm × 6mm	3/4" PT	Nylon + Fiber
TU-3-02	Ø91mm × 6mm	3/4" PT	Nylon + Fiber

# INWARD WHEEL SCREEN

## Solid Filtering for Water and Wastewater



### Filtration Description



*\*The above picture (color & accessories) for reference only, the actual product depends on mutual ordering.*

### Purpose

Filtering / remove fine solid to protect downstream equipment

### Features

- ✚ Material of construction: Standard – SUS 304  
Special – SS400, SS41, SUS316
- ✚ Filter screen gap can be selective according to different application
- ✚ Specialize in filtering and screening of general and industrial water and wastewater

### Applications

- ✚ Pulp and paper factory
- ✚ Food and beverages industry
- ✚ Municipal wastewater
- ✚ Beer manufacturing
- ✚ Dye industry
- ✚ Slaughtering house

**Capacity (m<sup>3</sup>/hr)**

Gap (mm)	Model	DG-60	DG-80	DG-100	DG-130	DG-130l	DG-150	DG-150L
	Application							
0.3	Paper Mill	40	75	100	155	210	460	650
0.5	Municipal Wastewater	90	170	250	350	460	940	1320
	Paper Mill	80	125	180	260	350	760	1050
1.0	Municipal Wastewater	180	310	450	680	960	1900	2420
	Leather Manufacturing	40	70	100	160	270	510	730
	Slaughtering	50	80	150	335	460	770	1160
	Beer Manufacturing	120	210	300	460	610	1160	1580

**Specification**

Application		Model	DG-60	DG-80	DG-100	DG-130	DG-130l	DG-150	DG-150L
Material	Standard	SS (SUS304)							
	Special	MS (SS400/SS41), SS(SUS316), etc							
Drum Driver (Adjustable Speed) (HP)			1	1.5	2	3	3	4	4
Dimension (mm)	L		2400	2800	2800	2800	3500	4650	5500
	W		1300	1500	1700	2100	2100	2200	2200
	H		850	1050	1250	1550	1550	2000	2000
	h		500	600	700	850	850	1200	1200
Ø Dia × Length (mm)			Ø 600 × 1100	Ø 800 × 1500	Ø 1100 × 1500	Ø 1300 × 1500	Ø 1300 × 2200	Ø 1500 × 3200	Ø 1500 × 4200
Weight of Machine (kgs)			800	1100	1500	1900	2600	3300	4500



# SOLID – LIQUID – GAS SEPARATOR (3 PHASE SEPARATOR)

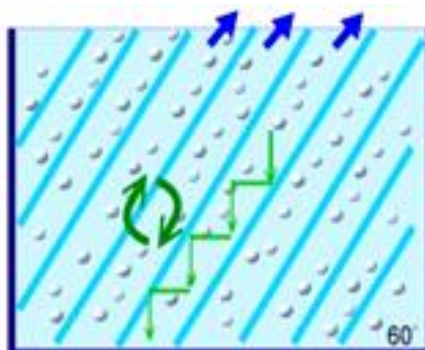
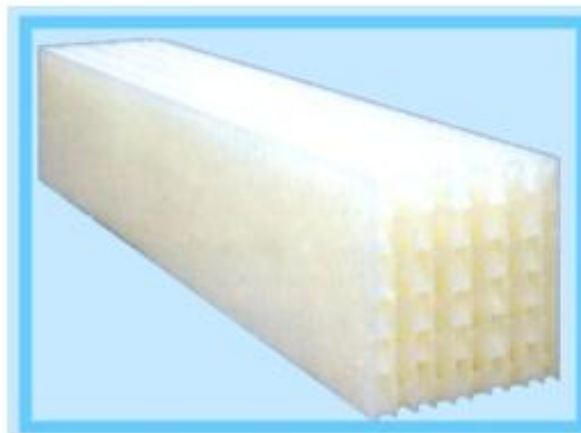
## Features

- ✚ Solid-Liquid-Gas Separation for purifying of Water and Wastewater. It is fabricated at an angle of 60 degrees and from a reversed slanting arrangement of criss-cross structure with the adjoining pipes.
- ✚ The “rectification” and “dual concrete effect” can truly catch the solids emulsion which is not easily precipitated and settled. The quality of water can be said to be Excellent in a variety of precipitating facilities subject to the pre-treatment efficiency.

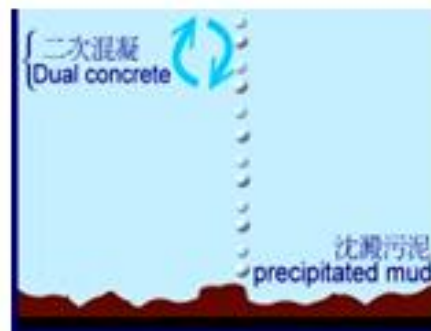
## Specification

STD Model	Diameter of Pipes	A	B	I	W	H	L	Pipes Sets	Thickness of boards	Materials
HCA-52	50	50	50	600	500	520	2500	10	0.6/0.8/0.1	ABS
HCA-75	50	50	50	860	500	720	2500	10	0.8/1.0	ABS

✚ *Specification subject to change without notice due to technical modifications*



**Solid-Liquid Separator**



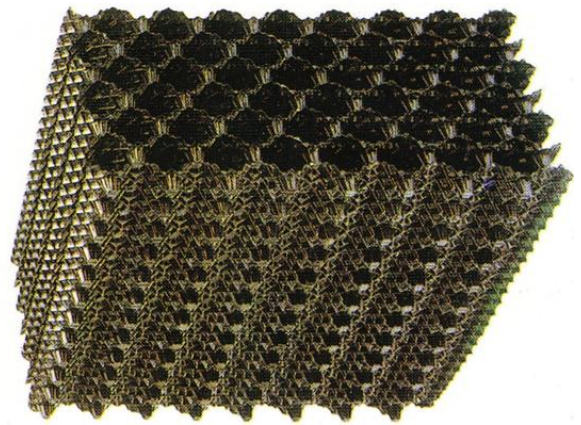
**The bottom of pond**

## CONTACT MATERIAL EQUIPMENT

### Nest Type of Filter

#### Advantages

- + The specific surface is large, increasing the processing performance.
- + Made of PVC.
- + The spacing among filters is large; difficult to be blocked.
- + The circulation rate of water is fine.
- + The capture performance of floating particles is excellent.
- + The contact surface is designed based on both adhesion and exfoliation of biological sludge.
- + Easy installation. It is a real bargain.



#### Specification

Model	Mesh m/m	Specific Surface m <sup>2</sup> /m <sup>2</sup>	Void Fraction %	Original Thickness m/m	Buckling Strength	Material	Size m/m
PH-40	40	147	99.0	0.3-0.45	Over 1000-1200	PE P.V.C. A.B.S	L×W×H
PH-56	56	110	99.5	0.35-0.5			1000 ×500-1000
PH-89	80	56	99.6	0.4-0.55			×500-1000

+ Specification subject to change without notice due to technical modifications

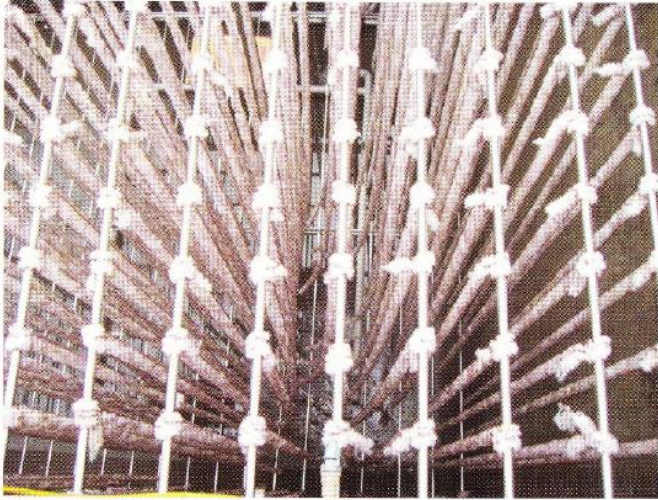
### Floating Balls

#### Specification

Model	100	125	150
Material	Polypropylene		
Size	Ø 100mm	Ø 125mm	Ø 100mm
Specific Gravity	0.92		
Specific Surface	70m <sup>2</sup> /m <sup>3</sup>	60 m <sup>2</sup> /m <sup>3</sup>	50 m <sup>2</sup> /m <sup>3</sup>
Hole Spacing	80	90	100
Void Fraction	95 c/o	96 c/o	97 c/o
Specific Gravity	1400 /m <sup>3</sup>	800 /m <sup>3</sup>	500 /m <sup>3</sup>



## Funiform Applying



### Applications

- ✚ Municipal wastewater treatment.
- ✚ Industrial wastewater treatment.
- ✚ Clear water treatment.
- ✚ Aeration of rivers and lakes.
- ✚ Aquatic product industry, for fresh water or seawater; as circulation filter systems.

### Specification

Model	Outer Diameter, mm	Surface Area, m <sup>2</sup> /M	Void Fraction	Tensile Strength, kg/M
YJ-50	50	10.4	≥ 99%	85
YJ-100	100	12.4	≥ 99%	125
YJ-200	200	24.8	≥ 99%	180



# LAMELLA PLATE CLARIFIER

## Water Purifying Equipment for Water & Wastewater

### Introduction

Conventional settling reactor always required large surface loading and retention time. Our **Lamella Plate Clarifier** has overcome all the design weakness mentions above, that we have smaller foot print and operation time, and yet promising outlet treated water.

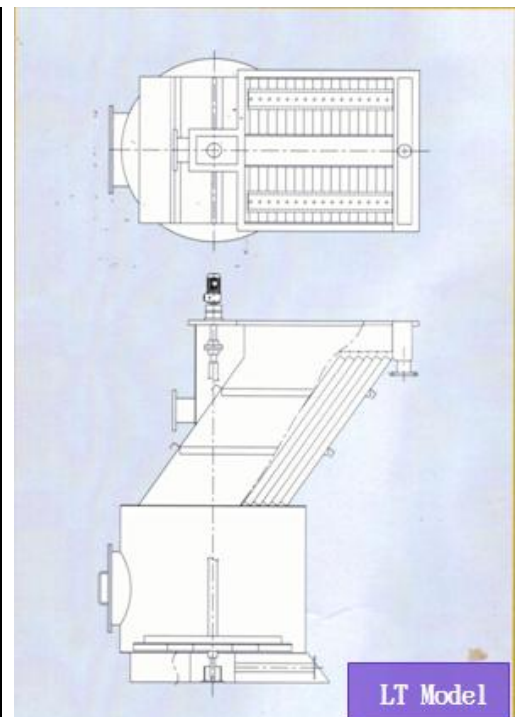
### Features

- ✚ High efficiency of sludge—water separation, required surface area is only 30% foot print of conventional system, even can up to 10% max.
- ✚ Inclined plate is used in the system, which no mud blocking cases.
- ✚ Simple cleaning & maintenance.
- ✚ In-house fabrication.
- ✚ Fast delivery.
- ✚ Easy to operate, save time.
- ✚ Less manpower required.



### Specification

Model	Dimension L*W*H, mm	Settling Surface Area, m <sup>2</sup>	Scarping Motor Power, kW	Treated Capacity, m <sup>3</sup> /hr	Operating Weight, Kg
LT-12	2550*1600*3050	12	0.18	6-12	6,620
LT-25	3150*1850*3750	25	0.18	12.5-25	9,750
LT-40	3550*2100*4150	40	0.25	20-40	17,100
LT-60	4000*2550*4450	60	0.25	30-60	19,850
LT-80	4350*2900*4400	80	0.37	40-80	26,540
LT-100	4600*3200*4600	100	0.37	50-100	31,400
LT-125	4950*3200*5100	125	0.55	62-125	40,950
LT-150	5250*3550*5300	150	0.55	75-150	44,850
LT-190	5750*4000*5300	190	0.75	95-190	50,950



Lamella Plate Clarifier

### Note:

Surface loading rate is varied for different application, which it is based on treated water characteristic (0.5-0.7 best for biological sludge, 0.7-1.0 best for chemical treatment sludge)



## JET AERATION MIXER

There are three types Jet Aerator, which are single side straight tube type (Pic.1), double side straight tube type (Pic.2), and round faceted type (Pic.3), for different type of aeration tank and functionary application.

Material of construction for the Jet Aerator can be Stainless Steel (eg SUS304, 304L, 316, 316L) or FRP based on varied application.

Circulation pump can be submersible type, self priming type and centrifugal type.

### Application

- ✚ Suit for reaction tank mixing and air supply aeration.
- ✚ Suit for aerobic reactor mixing & aeration system.
- ✚ Upgrading existing aeration system, mixing in disinfection tank.
- ✚ Controllable air consumption system in nitrogen removal system, nitrification and other treatments.
- ✚ Mixing and aeration in deep canal oxidation, or SBR system.



Pic 1



Pic 2



Pic 3

### Specification

Model	Diameter, MM	Circulation Flow, CMH	Air Supply, CMH
JET-25	Ø 25	10.5-18.5	9-27
JET-40	Ø 40	27-45	22-67
JET-50	Ø 50	54-90	45-135
JET-65	Ø 65	72-120	60-180
JET-75	Ø 75	95-159	80-238



✚ Specification subject to change without notice due to technical modifications

## SLUDGE SCREW CONVEYOR



### Feature

- ✚ Non shaft
- ✚ Closed U-shaped trough
- ✚ Conveying contaminated, unpleasant smell, dangerous, bridging and cleaning materials.

### Application

- ✚ Sewage treatment plant
- ✚ Industry waste & municipal sewage
- ✚ Pulp and paper industry
- ✚ Solid fuel, waste factory
- ✚ Food and beverages industry
- ✚ Agriculture's manure

### Specification

Model	SS-200	SS-260	SS-320	SS-360	SS-420	SS500
Capacity, m3/h	1.3	3.3	6.0	8.3	11	14.2
Power, kW	1.1-1.5	1.5-2.2	2.2-3	3-4	4-5.5	5.5-7.5
U-Shape trough, mm	200	260	320	360	420	500
Screw, mm	160	215	280	315	360	420
Screw Speed, rpm/min	12-19	12-19	12-19	12-19	12-19	12-19

✚ *Specification subject to change without notice due to technical modifications*

# SBR WATER DECANTER

## for Water & Wastewater Treatment

### Advantages

- ✚ Simple design, stable performance, low failure rate, easy maintenance, low maintenance costs.
- ✚ The drainage holes is design underwater with anti scum valve, it prevent the surface scum enter into the water by vortex effect. Low effluent SS value is extremely low correspondingly enhancing the removal phosphorus.
- ✚ Unique spring valve design (Pressure sensitive), able to work continuously, durable and less maintenance.
- ✚ Decanter control by float process, stable decant layer.
- ✚ Huge decanted water capacity, small head loss.



*SBR Decanter*

### Specification

Model	Capacity, CMH	Diameter, MM
SBR-80	18	80A
SBR-100	34	100A
SBR-125	58	125
SBR-150	83	150
SBR-200	135	200
SBR-250	230	250
SBR-300	330	300
SBR-350	460	350
SBR-400	600	400
SBR-450	765	450

✚ Specification subject to change without notice due to technical modifications

# AUTOMATIC VALVELESS GRAVITY FILTER

## For Water Filtration System

### Features

- ✚ Operated without power control
- ✚ Positive head filtration
- ✚ Automatic washing system
- ✚ Easy maintenance



### Specification

Model	Dimension Dmm*Hmm	Area, mm*mm	Capacity, CMH	Weight,(T)	Filter Area, m2
QCF-20	1400Ø * 4910H	1900 * 4000	20	20	1.54
QCF-40	1800Ø * 4910H	2300 * 4700	40	32	2.55
QCF-60	2240Ø * 4910H	2750 * 5600	60	46	3.94
QCF-80	2460Ø * 4910H	3080 * 6200	80	58	4.75
QCF-100	2900Ø * 5180H	3680 * 7200	100	88	6.6
QCF-150	3400Ø * 5180H	4010 * 8000	150	118	9.1
QCF-200	3900Ø * 5180H	5000 * 9600	200	150	12

✚ *Specification subject to change without notice due to technical modifications*



## SAND SEPARATORS



### Feature

- ✚ Utilizing centrifugal vortex action to concentrated the gravel, sand to lower part, complement more than 95% of the size of 150mesh, the remaining concentrated sand transport into the sand washing machine wastewater treatment, 80% of the clarified water from the overflow are return for reprocessing.
- ✚ Pre-treatment of wastewater treatment operations.
- ✚ Handling settlement gravel, reducing the failure rate of follow-up machinery.
- ✚ Simple operation, small footprint.

### Specification

Type	SS-5	SS-10	SS-30	SS-60	SS-110	SS150
Capacity, m <sup>3</sup> /hr	5	10	30	60	110	150
Volume, m <sup>3</sup>	0.5	1.0	2.0	3.0	4.0	5.0

✚ *Specification subject to change without notice due to technical modifications*



## EMERGENCY EQUIPMENT

# SAFETY SHOWER AND EYE WASH SATTION

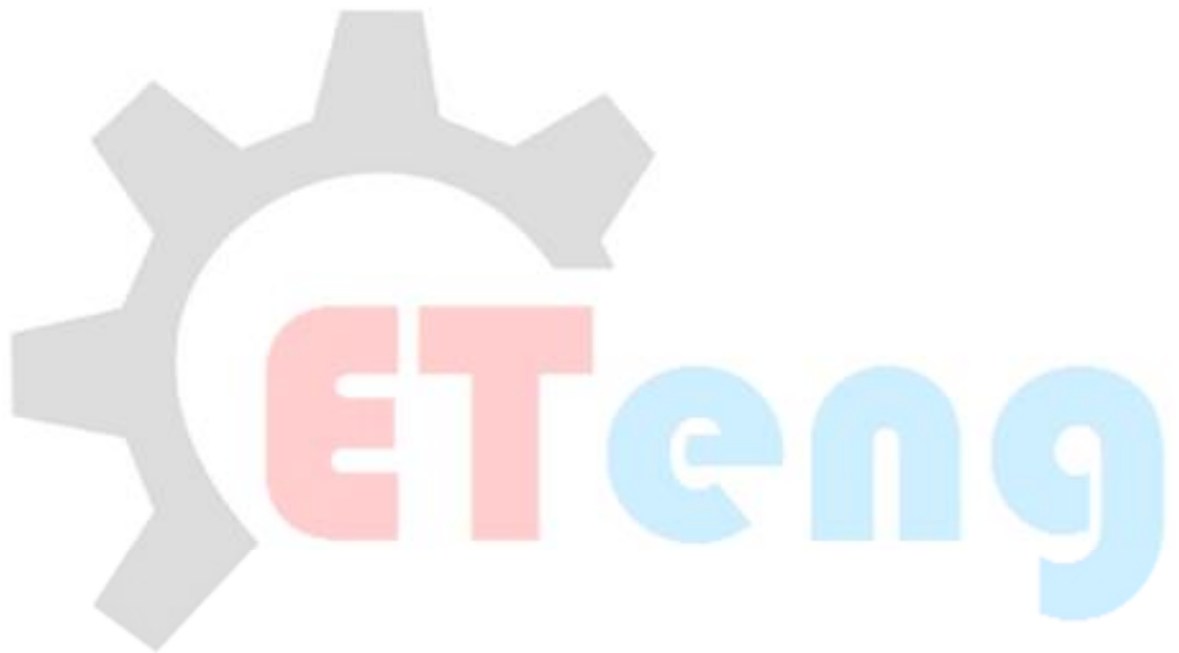
### Features

- + Comprehensive range of models  
To suit wide variety of application
- + Structural components made of **fully stainless steel and with paint baked.**  
For strength and durability

### Specification

- + **Safety Shower**
  - Shower head made of stainless steel
  - Hand operated pull rod shower control
- + **Emergency Eyewash Bowl**
  - Bowl made of stainless steel
  - Hand operated eyewash
  - Push pad with pictogram to start flow
  - Aerated diffusers





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