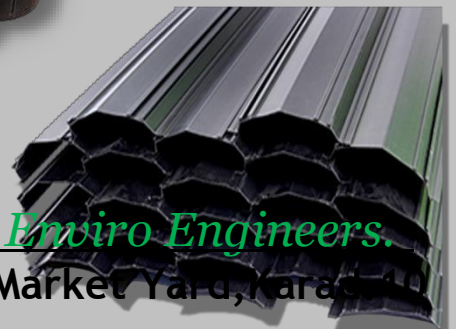


Manufacturers Of Water & Waste Water Treatment Equipment's



Green Circle Enviro Engineers.

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PURE P.P FILTER PRESS

Manual & Hydraulic

300, 355, 450, 610, 760,
915, 1220 mm

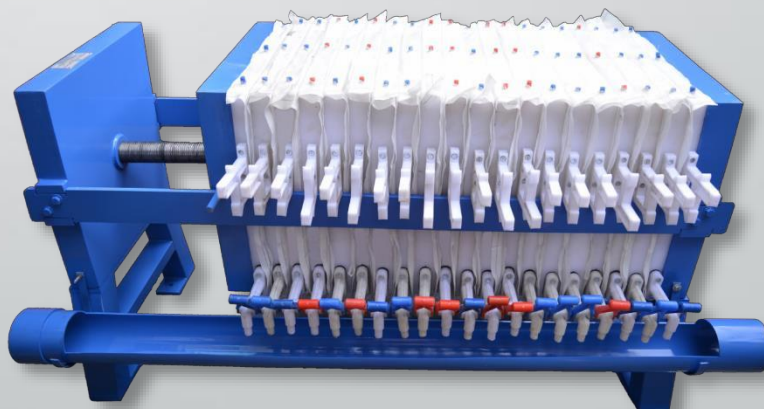
- ❑ Filter press is a solid-liquid separating equipment working on the principle of pressure feeding. It has been used successfully in almost every industrial filter application over its 150 years of history. It consists of a series of Polypropylene filter plates and frames or recessed plates arranged collectively and fitted on conventional cast iron or mild steel structures.
- ❑ We are recognized as the prominent manufacturer and supplier of a wide collection of Polypropylene Filter Press. These are designed by our team of experts using high-quality material by the latest technology. Our offered range of Filter Press include sizes from 12" to 48".

❖ APPLICATION

- **Treatment Plant:** Effluent and sewage treatment plants, wastewater Treatment.
- **Ceramics:** Clay, Fine earth, marble and granite.
- **Metallurgy:** Electroplating and electro polishing, Steel mill waste, Nickel
- **Pharma Industries:** Antibiotic, Syrup, Inter-mediates and bulk drugs.
- **Chemical & Dyes Industries:** Basic chemicals, Organic and Inorganic, Resins, Enzymes

❖ SPECIFICATIONS

- **Structures:** Cast Iron / Mild Steel / Stainless Steel
- **Sizes:** 310, 450, 610, 760, 910, 1220 mm & Customized.
- **Nozzles:** PP/ MS/ MSPP / SS 304 / SS 316.
- **Devices Type:** P.P / Nylon / Cotton or as per req.
- **Filter Media:** P.P / C.I / S.S
- **Working Temp:** 85° c (P.P)
- **Working Pressure:** up to 16 Kg/cm²
- **Filter Elements-MOC:** Ratchet Gear / Hand Hydraulic / Power Hydraulic.



DIFFUSERS

Fine Bubble & Coarse Bubble

➤ Fine Bubble Diffusers



- ❑ Fine bubble diffusers produce a plethora of very small air bubbles which rise slowly from the floor of a wastewater treatment plant or sewage treatment plant aeration tank and provide substantial and efficient mass transfer of oxygen to the water. The oxygen, combined with the food source, sewage, allows the bacteria to produce enzymes which help break down the waste so that it can settle in the secondary clarifiers or be filtered by membranes.

❖ SPECIFICATIONS

- High grade EPDM/SILICON membrane
- Clamps with stainless steels.
- Supporting frame with PVC/PP nipples.
- Air inlet with molded injection ABS adapter.

MEMBRANE OD	LENGTH	AIR FLOW RATE	END CONNECTIONS
63 mm	620 mm	5.0 – 7.5.0 m /hr	3/4" BSP
63 mm	1020 mm	7.5 - 10.0 m /hr	3/4" BSP
92 mm	1020 mm	10.0 - 14.0 m /hr	1" BSP

➤ Coarse Bubble Diffuser



- ❑ Coarse bubble diffusers produce bubbles which rise rapidly from the floor of a wastewater treatment plant or sewage treatment plant tank. They are typically used in grit chambers, equalization basins, chlorine contact tanks, and aerobic digesters, and sometimes also in aeration tanks.
- ❑ Our Coarse Bubble diffusers are available at the most reasonable prices.

❖ APPLICATION

- Municipal waste water treatment
- Industrial waste water treatment
- Sludge Stabilization
- Activated Slurry systems
- Contact aeration system

MODEL	CBD/80	CBD/150
SHAPE	DISC	DISC
SIZE	80 mm	150 mm
BUBBLE SIZE	4 mm TO 5 mm	4 mm TO 5 mm
MEMBRANE	EPDM/SILICON	EPDM/SILICON
NO. OF AIR DISCHARGE PORTS	10	8
AIRFLOW RANGE PER DIFFUSER	4 - 5 m ³ /hr	8 - 10 m ³ /hr
END CONNECTION	3/4" BSP	1" BSP

Media

MBBR Media, Tube Settler Media, Fill Pack Media

➤ Bio Pac Media

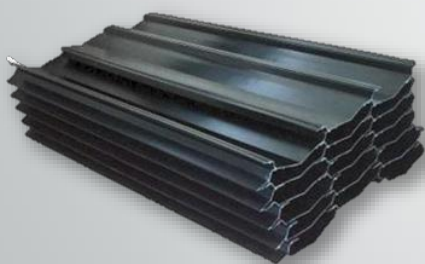
- ❑ Bio Pac media plays a vital role for residential and societies purpose. They have a clog free operation. This technology provides cost-effective treatment with minimal maintenance since MBBR processes self-maintain an optimum level of productive biofilm.



TYPE OF MEDIA	FLUIDIZED RANDOM BIO MEDIA
COLOUR	BLACK
MEDIA HEIGHT	16 mm
MEDIA DIA METER	22 mm
MOC OF MEDIA	VIRGIN PP UV STABILIZED
SURFACE AREA	400 m2 /m3.
SPECIFIC GRAVITY / DENSITY	0.90-0.97 gms / Cm2

➤ Tube Settler Media

- ❑ Tube settlers use multiple tubular channels sloped at an angle of 55°- 60° and adjacent to each other, which combine to form an increased effective settling area.



MODEL	TSM/120	TSM/60
PLAN SETTLING AREA OF MEDIA	60° Slope - 11 m2/m3 55° Slope - 13 m2/m3	60° Slope - 12 m2/m3
CROSS SECTIONAL SIZE	120 mm x 44 mm	75 mm x 60 mm
SHAPE	HEXAGONAL CHEVRON	V- Type
MOC OF MEDIA	PVC	PVC
THICKNESS	1 mm (appx.)	1 mm (appx.)
FITTING ARRANGEMENT	TONGUE & GROOVE	TONGUE & GROOVE
MAX. CONTINUOUS OPERATING TEMPERATURE	55° C	55° C

➤ Fill Pack Media

- ❑ We manufacture a wide collection of Fill Pac Media. Offered media is extensively used in waste-water and biological treatment plant for trickling filter and anaerobic reactors.



MODEL	FPM/51
TYPE OF MEDIA	RANDOM BIO MEDIA
COLOUR	BLACK
MEDIA HEIGHT	51 mm
MEDIA DIA METER	187 mm
MOC OF MEDIA	VIRGIN PP UV STABILIZED
MAX. OPERATING TEMPERATURE	80° C
SURFACE AREA	100 m2/m3