



VASU PHARMATECH[®]

**Manufacturers of :
Products and Equipments for Water & Waste Water Treatment Plants**



A Trusted Name for Quality

FAB/ BIO/ MBBR MEDIA

DESCRIPTION

MBBR media is a novel biologically active carrier, it adopts scientific formula, depending on the nature of water.

MBBR technology is more advanced & dominant in comparison to the suspended growth process.

It allows bacteria to stick to the surface to form biofilm.

MAIN FEATURES

- Larger effective surface area, obtaining more organism.
- Lower energy consumption, saving space & shorten technology process.

FILTER MEDIA TECHNOLOGY

- Media has special design of surface & strong bio-film growth capacity, with large specific surface area, high voidage & the more periphyton biomass.
- It takes 3-15 days to get biofilm formation on media.
- It has excellent impact strength

SPECIFICATION & ITEM CODE

VPFM 1225

VPFM 415

NO. OF HOLES

19 Holes

79 holes

SURFACE AREA

>600 m²/m³

>1600 m²/m³

DENSITY

0.94 - 0.96 gm/cm³

0.94 - 0.96 gm/cm³

MEMBRANE FORMING TIME

3 - 15 Days

3 - 15 Days

LIFE SPAN

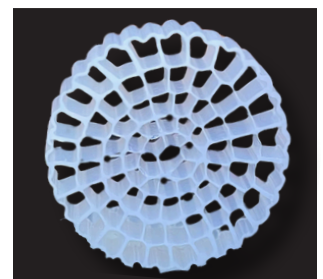
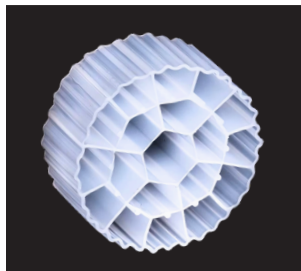
>10 Years

>10 Years

MOC OF MEMBRANE

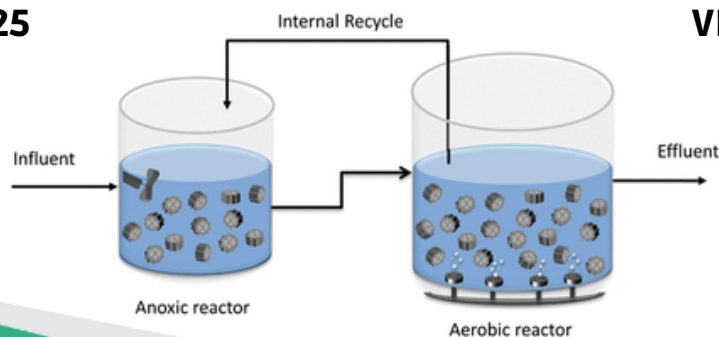
VIRGIN HDPE

VIRGIN HDPE



VPFM 1225

VPFM 415



TUBEDEK MEDIA

Item Code : VPTM 120

DESCRIPTION

Tubedek media helps to reduce cross sectional area of settling tank, also reduces land requirement, thus reduces civil structure costs.

Tubedek media profiles can be assembled easily to fit into any size or shape of settling tanks.

MAIN FEATURES

- Tubedek media is made up of PVC material & is suitable for dosage of any treatment chemicals required in the treatment process.
- Its hexagonal chevron design is a proven configuration with lowest hydraulic radius for optimum performance.
- Its tongue & groove arrangement gives ease to assemble the block on site.

SPECIFICATION

PLAN SETTLING AREA	11 m²/m³ 13 m²/m³
HYDRAULIC RADIUS	15 mm
CROSS SECTIONAL AREA	120 mm X 44 mm
COLOUR	BLACK
MOC	PVC
THICKNESS	1 mm Approx.
FITTING ARRANGEMENT	TONGUE & GROOVE
MAX. CONTINUOUS OPERATING TEMP.	55° C



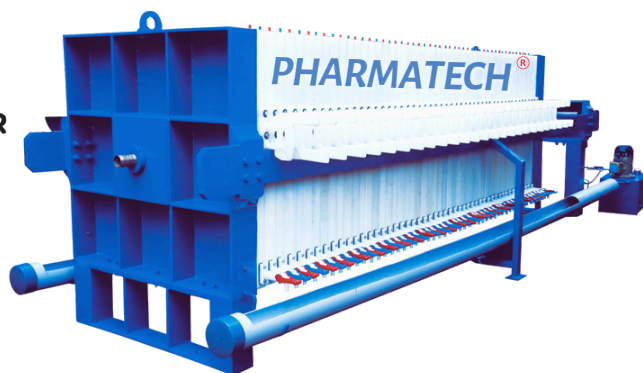
FILTER PRESS

DESCRIPTION

The 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 years of history. It consists of a series of PP filter plates and cast iron or mild steel structure. The filter medium i.e filter cloth is provided in between the plates to separate solids from the liquids. A filter pump is required to feed the mother liquor through feeding nozzle to the chambers formed between the plates and filter medium, leaving the solid trapped inside and the liquid drained out.

SPECIFICATION

STRUCTURE	CAST IRON / MILD STEEL
SIZES	12 to 60 INC.
NOZZLE	SS 304/PP
CLOSING DEVICE TYPE	MANUAL, RATCHED GEAR HAND HYDRAULIC AND MOTORIZED HYDRAULIC
FILTER PLATE	PP (Polypropylene)
DELIVERY	OPEN
WORKING PRESSURE	UPTO 7 kg/cm²
FILTER MEDIA	PP/NYLON/POLYSTER/COTTON
WORKING TEMP.	75°C



TECHNICAL DETAIL

MODEL NO.	PP PLATE SIZE	NO. OF CHAMBERS	CAKE HOLDING CAPACITY	FILTRATION AREA	OPERATING TEST PRESSURE BARS	FLOOR AREA RATIO IN MTRS.
VPFP 12	12" X 12"	11	24 LTRS.	1.62 m ²	2 - 3 kg/cm ²	1.8 x 0.7
VPFP 18	18" X 18"	17	120 LTRS.	6.20 m ²	3 - 4 kg/cm ²	2.1 x 0.9
VPFP 24	24" X 24"	23	290 LTRS.	15.59 m ²	4 - 5 kg/cm ²	2.2 x 1.1
VPFP 30	30" X 30"	29	530 LTRS.	31.10 m ²	5 - 6 kg/cm ²	2.7 x 1.3
VPFP 36	36" X 36"	35	930 LTRS.	54.50 m ²	5 - 6 kg/cm ²	3.6 x 1.5
VPFP 48	48" X 48"	47	2165 LTRS.	108.10 m ²	6 - 7 kg/cm ²	5.5 x 1.8



FINE BUBBLE TUBULAR DIFFUSERS

DESCRIPTION

Tubular diffusers are designed to handle high volumetric air discharge with ease.

Diffuser membranes are perforated to provide higher oxygen transfer efficiently. Simultaneously, it also helps in preventing back flow.

SPECIFICATION & ITEM CODE	VPFBD 600	VPFBD 1000	VPFBD 1090
SIZE	63 x 620 mm	63 X 1020 mm	90 X 1020 mm
SUPPORT PIPE OD	63 mm	63 mm	90 mm
MEMBRANE ID	63 mm	63 mm	90 mm
MOC OF MEMBRANE	EPDM / SILICONE	EPDM / SILICONE	EPDM / SILICONE
AIR FLOW RANGE	2 - 7.5 m ³ /hr	2 - 10 m ³ /hr	3 - 15 m ³ /hr
MAX. PRESSURE ALLOWED	1.5 kg/cm ³	1.5 kg/cm ³	1.5 kg/cm ³
CONNECTION SIZE	3/4" BSP	3/4" BSP	1" BSP
BUBBLE SIZE	0.8 - 1.9 mm	0.8 - 1.9 mm	0.8 - 1.9 mm



COARSE BUBBLE DIFFUSERS

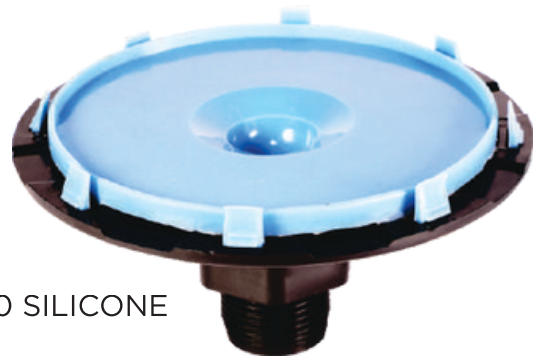
DESCRIPTION

CBD 80 & CBD 150 have been engineered in simplified design consisting of two parts i.e. Support base in engineering plastic & flexible diaphragm in EPDM & SILICONE rubber to provide extended life & optimum performance.

SPECIFICATION & ITEM CODE	VPCBD 80	VPCBD 150
SHAPE	DISC TYPE	DISC TYPE
DIA SIZE	80 mm	150mm
BUBBLE SIZE	4 - 5 mm	6 - 8 mm
MOC OF MEMBRANE	EPDM / SILICONE	EPDM / SILICONE
MOC OF BASE	PPCP	ABS
MAX. OPERATING TEMP.	60° C	60° C
AIR DISCHARGE PORTS	10	8
AIR FLOW RANGE	1 - 5 m³/hr	4 - 10 m³/hr
END CONNECTION MALE THREAD	3/4" BSP	1" BSP
MAX. PRESSURE ALLOWED	1.5 kg/cm²	1.5 kg/cm²



VPCBD 80 EPDM



VPCBD 150 SILICONE



VPCBD 150 EPDM



FINE BUBBLE DISC DIFFUSERS

DESCRIPTION

Disc diffusers are designed with assembly of base & ring manufactured in ABS to provide maximum life & durability. The diffuser incorporates an external check valve design to prevent intrusion of liquid or solids into the diffuser during ON/OFF operations. Perforation design allows maximum oxygen transfer efficiently.

SPECIFICATION & ITEM CODE	VPDD 9	VPDD 12
MOC OF MEMBRANE	EPDM / SILICONE	EPDM / SILICONE
BASE AND RING	ABS	ABS
CONNECTION	3/4" BSP MALE THREAD	3/4" BSP MALE THREAD
AIR FLOW RANGE	1 - 5 m ³ /hr	4 - 10 m ³ /hr
PERFORATION SIZE	0.5mm	0.5mm
BUBBLE SIZE	0.5 - 0.8 mm	0.5 - 0.8 mm
MAX. PRESSURE ALLOWED	1.5 kg/cm ²	1.5 kg/cm ²
SIZE	9"	12"





VASU PHARMATECH®

About Us

VASU PHARMATECH is a leading name in the field of manufacturing products and equipments for Water & Waste Water Treatment Plants with over 21 years of experience.

Based in Delhi, the company has complete manufacturing setup with state of the art machines using latest technology to deliver quality products for best results.

The products which have been developed are not only at par with their Indian & Imported counterparts but are also more economical in comparison.

Company Strength



2004
Since



50+
Workers



2620 m²
Workshop Area



5+
High-Speedline Extruders

Product Installed/ Supplied

- **27100 m³+**
MBBR Media
- **253000+**
Air Diffusers
- **57700 m³+**
Tube Settle Media
- **9820+**
Filter Presses

Contact Us

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