



Waste Water Treatment Plant Equipment.

- | | | |
|--------------------------|------------------------|------------------------------|
| ❖ Fine Bubble Diffuser | ❖ Flower Media | ❖ Electromagnetic Flow Meter |
| ❖ Coarse Bubble Diffuser | ❖ Screw Pump | ❖ Blower |
| ❖ Tube Settler Media | ❖ Filter Press | ❖ Agitator |
| ❖ Bio Pac Media | ❖ Industrial RO System | ❖ Oil Skimmer |
| ❖ Fill Media/ Safe Media | ❖ Rotameter | ❖ Centrifuge |

ABOUT US:

Neeravi Aqua & Fire Solutions is a leader in providing innovative products and technology used in the field of Water Treatment and Waste Water Treatment.

Located in Delhi, India, we are the biggest name in the market for offering a vast range of quality product like Coarse Bubble Diffusers, Fine Bubble Diffusers, Tube Settler Media, Bio Pac Media and MBBR Media, Rota-meters - online/panel mounted, Adaptor, Plastic Filter Nozzle and Fire Alarm System. Our team of experts is committed to delivering high-quality products using improved top of the line technology backed with dedicated services. The products are easy to install and tested to keep quality control as required and are known to be cost-effective and durable. Our hard work and competitiveness ensure complete customer satisfaction as a one-stop solution to all water treatments.



Neeravi, Aqua and Fire Solutions, is the brainchild of Mr. R. S. Lodha with the vision to provide comprehensive, reliable and cost-effective solutions, specifically to meet the client's needs.

Mr. R. S. Lodha started his career in Kanpur in 1984 as Director of Ujala Auto Electric Pvt. Ltd, an ancillary unit of LML Ltd, manufacturers of Vespa Scooters.

Neeravi Aqua and Fire Solutions was founded by Mr. Lodha in 2014 after he left his position as G. M. Commercial at Aventura Components Pvt. Ltd, a leading name in the water treatment industry. Here he was responsible for product and vendor development. He also looked into company finance

QUALITY ASSURANCE:

STRIGENT QUALITY CHECK

The paramount reason behind the success is the unsurpassed quality of a wide spectrum of equipment. Stringent quality check measures are right used from procurement of raw material to the final dispatch of the product. Along with the strict vigil at every stage of production, we also ensure final inspection of our output to ensure zero defects.

The parameters, on which we check our equipment for sewage and effluent treatment plants, are as follows:

- Performance
- Operational Flexibility
- Oxygen Transfer Efficiency
- Impact-resisting Strength
- Air Permeability

WHY US:

OUR STRENGTHS

Some of our qualities that our clients trust us for:

- State-of-the-art Infrastructure
- Quality Product
- Customization
- Timely Delivery

Fine bubble diffuser:

A) FINE BUBBLE DIFFUSER TUBULAR:

SPECIFICATION:

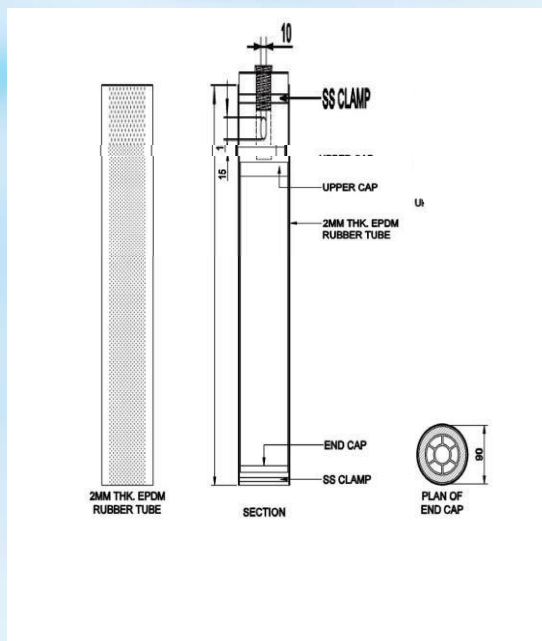
DESCRIPTION:

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.

APPLICATIONS:

- Aqua Culture
- Municipal waste water treatment plants
- Drinking water aeration
- Industrial waste water treatment

SPECIFICATION / MODEL NO.	N-F-63-610	N-F-63-1000	N-F-90-1000	N-F-120-1000
SIZE	63 x 610 mm	63 x 610 mm	90 X 1000 mm	120 X 1000 mm
SUPPORT PIPE OD	63 mm	63 mm	90 mm	120 mm
MEMBRANE ID	63 mm	63 mm	90 mm	120 mm
MOC OF MEMBRANE	EPDM / SILICONE	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	5 - 20 m ³ hr
MAX. PRESSURE ALLOWED	1.5 kg/cm ³	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	1x1 1/4 BSP
BUBBLE SIZE	0.8 - 1.9 mm	0.8 - 1.9 mm	0.8 - 1.9 mm	0.8 - 1.9 mm



Lengths and connection size can also be customized as per requirement.

Fine bubble disk diffuser:

SPECIFICATION:

FEATURES:

- Operation flexibility.
- Product longevity.
- Little maintenance requirement.
- Low energy cost.

MODEL	N-D-9	N-D-12
SIZE (Ø x L)	9"(225mm)	12"(300mm)
MATERIAL	EPDM/Silicon	
FLOW RANGE	0-11 m3/hr	0-16 m3/hr
AIR FLOW RATE	2.5-5.0 m3/hr	4.2-8.3 m3/hr
END CONNECTION	3/4" and 1"	3/4" and 1"



Coarse bubble diffuser:

SPECIFICATION:

FEATURES:

- Maximum oxygen transfer.
- Low maintenance requirement.
- Wide air flow range.
- High resistance to clogging and corrosion.

MODEL	N-C-80	N-C-150
SIZE (Ø)	3"(80MM)	6"(150mm)
MATERIAL	EPDM/ Silicon	
AIR FLOW RATE	1.0-5.0 m3/hr	4.0-10.0 m3/hr
END CONNECTION	3/4"BSP, male	1"BSP, male
AIR DISCHARGE	Top	Peripheral

APPLICATIONS:

- Suitable for large mixing and equalization tanks.



Tube settler media:

SPECIFICATION:

FEATURES:

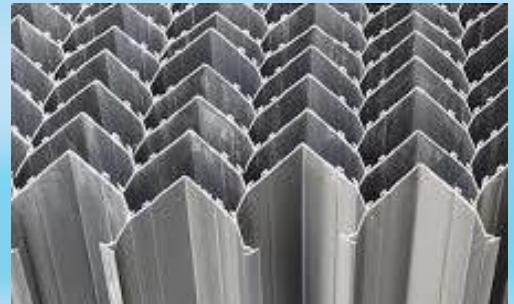
- Enhances particle agglomeration and growth.
- Increases capacity of clarifier.
- Enhances suspended solids concentration.
- Installation is fast and easy.

APPLICATION:

- For effective settling in potable and industrial water treatment plants.
- Mineral processing industry.
- Clarification of raw river water in water treatment plants.



V Shape Tube Settler Media



Hexagonal Tube Settler Media

MODEL	N-T-H	N-T-V
SHAPE	Hexagonal Chevron	V Shaped
CROSS SECTION	120MMx44MM	75MMx60MM
MATERIAL	PVC	
PLAN SETTLING AREA	60° Slope (11.0m ² /m ³) 55° Slope (13.0m ² /m ³)	60° Slope (12.0m ² /m ³)

Fill media / safe media:

SPECIFICATION:

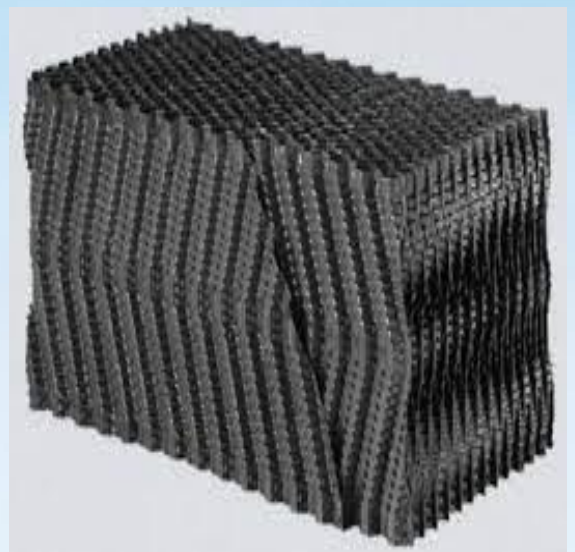
MODEL	N-SM
MATERIAL	PVC
SHEET THICKNESS	0.3 mm / 0.4 mm
MODULE SIZE	1200MM x 600MM x 600MM
VOIDAGE	>97%

FEATURES:

- UV stabilized.
- Sturdy construction .
- Elevated durability.
- Dimensionally accurate.

APPLICATIONS:

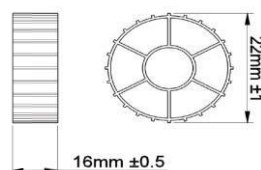
- Used extensively in BOD/COD reduction/nitrification in Trickling Filters SAFF Systems, Anaerobic Filters/Digesters.



Bio pac / MBBR media:

SPECIFICATION:

MODEL	N-MB-1622	N-MB-1225
SHAPE	Cylindrical with External Fins	
MATERIAL	Virgin PP UV Stabilized	HDPE
COLOUR	Black/Transparent	
SIZE (Ø x H)	22MMx16MM	25MMx12MM
SURFACE AREA	400m ² /m ³	400m ² /m ³
MEDIA FILL RATE RANGE	25-55	



FEATURES:

- No sludge return systems needed .
- Provides high Bio-surface area .
- Less sensitivity to shock loading .
- No channels or dead spots .
- Extremely easy to install .
- Longer media life .
- No backwash needed .
- Clog free operation .
- Make Bio-reactors extremely compact .

APPLICATION:

- Package plants for wastewater.
- Domestic and Industrial wastewater.



TOWER PACKING PALL RING:

SPECIFICATION:

MODEL	N-PR
SHAPE	Bucket type
MATERIAL	Polypropylene
SIZE	1" x1" ,1.5"x1.5" and 2" x2"

FEATURES:

- Small specific gravity.
- High flooding point.
- High free volume.
- Uniform gas-liquid contact.



FLOWER MEDIA:

SPECIFICATION:

FEATURES:

- Resistance against high temperature.
- Precise surface gravity and surface area.
- Maximum operating temperature is 80 degree.

MODEL	N-FM-4	N-FM-6
SHAPE	Flowertype	
MATERIAL	Virgin PP UV Stabilized	
COLOUR	Black/Transparent	
SIZE (Ø x H)	5" x 2"	6" x 2.5"



SCREW PUMP:

SPECIFICATION:

FEATURES:

- High robustness.
- High tolerance against water vapour and particles/dust.
- No contamination of the medium being pumped.
- Frictionless rotation – rotor wear is eliminated.
- Frequency converter operation- easily optimized for process requirements- leads to high energy efficiency.
- Each screw thread is matched to carry a specific volume of fluid.
- Screw pumps may include a stationary screw with a rotating screw or screws.

Size Available:

- 1.0 HP - 0.5 M3/Hr
- 1.0 HP - 1.0 M3/Hr
- 1.5 HP - 2.0 M3/Hr
- 2.0 HP - 3.0 M3/Hr
- 2.0 HP - 5.0 M3/Hr
- 5.0 HP - 10 M3/Hr
- 15 HP - 15 M3/Hr

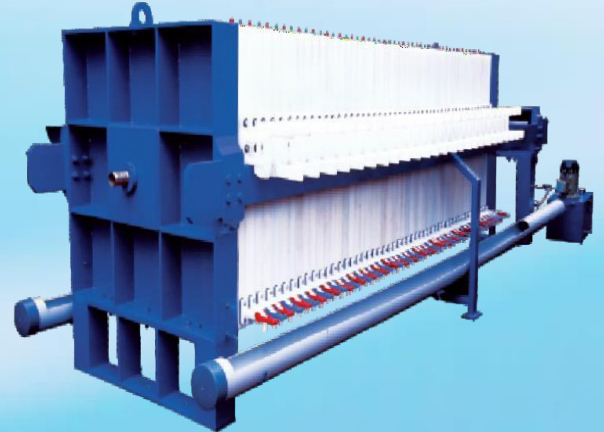


FILTER PRESS:

SPECIFICATION:

FEATURE:

STRUCTURE	Cast iron / mild steel
SIZES	12" to 48"
NOZZLE	Ss 304/pp
CLOSING DEVICE TYPE	Manual, ratched gear hand hydraulic andpower Hydraulic
FILTER PLATE	Pp
DELIVERY	Open
WORKING PRESSURE	UPTO 7 kg/cm ²
FILTER MEDIA	Pp/nylon/polyster/cotton
WORKING TEMP.	Upto 60° c



TECHNICAL DETAILS OF FILTER PRESS

Model	Plate Details			Cake Vot Hold. Cap.	Filtration Area	Oper. Pr. Bars	Max. Test Pr Bar	Tightening Mechanism	Req. Floor Area (Mtrs.)	Bare Wt. Kgs.
	Size	No.	MOC							
NFS-12	12"x12"	11	MS/ P.P.	24 Ltr.	1.62 M ³	3.0-4.0	3	Screw Type	2.5x0.9	200
NFH-12	12"x12"	11	MS/ P.P.	24 Ltr.	1.62 M ³	3.0-4.0	3	Hydraulic	2.5x0.9	200
NFS-18	18"x18"	17	MS/ P.P.	120 Ltr.	6.20 M ³	4.0-5.0	5	Screw Type	1.8x0.7	425
NFH-18	18"x18"	17	MS/ P.P.	120 Ltr.	6.20 M ³	4.0-5.0	5	Hydraulic	1.8x0.7	425
NFS-24	24"x24"	23	MS/ P.P.	290 Ltr.	15.59 M ³	4.0-5.0	5	Screw Type	2.2x0.9	990
NFH-24	24"x24"	23	MS/ P.P.	290 Ltr.	15.59 M ³	23	5.	Hydraulic	2.2x0.9	1060
NFS-30	30"x30"	29	MS/ P.P.	530 Ltr.	31.10 M ³	4.0-5.0	6	Screw Type	2.7x0.9	2300
NFH-30	30"x30"	29	MS/ P.P.	530 Ltr.	31.10 M ³	5.0-6.0	6	Hydraulic	2.7x0.9	2450
NFH-32	32"x32"	29	MS/ P.P.	530 Ltr.	31.10 M ³	5.0-6.0	6	Hydraulic	2.7x0.9	2450
NFH-36	36"x36"	41	MS/ P.P.	1085 Ltr.	63.50 M ³	5.0-6.0	6	Hydraulic	4.0x1.1	3400
NFH-48	48"x48"	47	MS/ P.P.	2160 Ltr.	108.10 M ³	6.0-7.0	6	Hydraulic	6.0x2.0	6200

INDUSTRIAL RO SYSTEM:

A) DISTRIBUTION COLLECTION SYSTEM:

SPECIFICATION:

FEATURES:

- Rigid design .
- High strength .
- Long working life.
- Standardized design for tank size 2.5"- 8NPSM / -8UN/6"- flanged ans for all makes of FRP / /Composite pressure vessel system for all make.
- Complete rane of top distribution & bottom collection system for 12"-79" FRP / Composite presser vessel .



MODEL	NDS-4R2-1436	NDS-1665	NDS-2162	NDS-2472	NDS-3072	NDS-3672
VESSEL Ø	14"upto 36"(Top)	16"(Bottom)	21"(Bottom)	24"(Bottom)	30"(Bottom)	36"(Bottom)
DESCRIPTION	Top mount hub and lateral system	Bottom mount hub and lateral system				

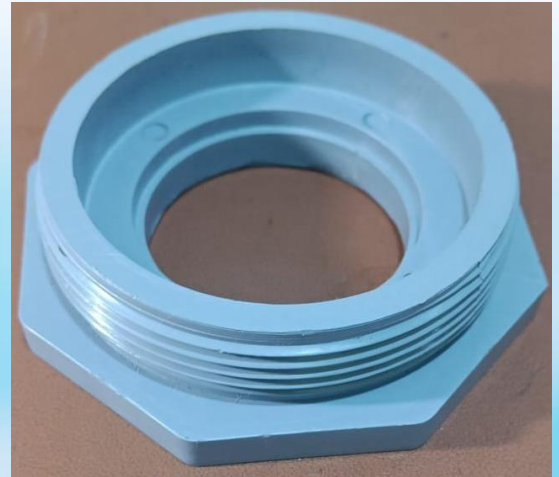


B) ADAPTOR AND STAINER:

SPECIFICATION:

FEATURES:

- Easy to install .
- Best in class .



MODEL	N-ADP	N-STR	N-STY
DESCRIPTION	Adaptor	Stainer	Stainer Yellow
MATERIAL	ABS	PP	PP



Cl plastic filter nozel



Ring type stainer botton

ROTAMETER:

A) PANEL MOUNTED ROTAMETER:

SPECIFICATION:

FEATURES:

- Sturdy construction .
- High strength.
- Anticorrosive.



MODEL	N-R-250	N-R-500	N-R-1000	N-R-2000	N-R-5000	N-R-10000	N-R-15000
DESCRIPTION	250LPH	500LPH	1000LPH	2000LPH	5000LPH	10000LPH	15000LPH
MATERIAL	ACRYLIC						

B) ONLINE ROTAMETER:

SPECIFICATION:

MATER BODY	Acrylic
FLOAT	SS 316,PTFE, PVC
WETTED PARTS	SS, PVC, P.P, PTFE
O- RINGS	Neoprene, PTFE Silicon
CONNECTION	Threaded BSP/NPT (Female or Male)
ACCURACY	Series 100 & 150 +/-3%
TEMP.RATING	160°F
REPEATABILITY	0.50%

FEATURES:

- Easy projection mounting.
- Shatter proof acrylic body.
- Direct reading scale.
- Suitable for gas and liquid flow.
- Light weight, compact.
- Unique flush panel mounting (Series FSB).
- Neat modular appearance.
- Built-in flow control valve (Series FSA,FSB).



C) FLANGE TYPE ROTAMETER:

SPECIFICATION:

FEATURES:

- Neat Modular appearance.
- Direct reading scale.
- Shatter proof acrylic body.
- Suitable for gas & liquid flow.
- Unique flush panel mounting (Series FSB).



ELECTROMAGNETIC FLOW METER:

SPECIFICATION:

FEATURE:

- Measure the velocity of conductive liquids in pipes.
- Measure multi-directional flow.
- Power usage is relatively low, with electrical power requirements.

APPLICATIONS:

- Pipe line.
- Water treatment plants.
- Mineral process industry.



Model	Zest	Size	25mm	40mm	50mm	65mm	80mm	100mm	150mm	200mm	250mm
	Impal		25	40	50	65	80	100			

BLOWER:

SPECIFICATION:



AVAILABLE IN:

- Twin Lobe Root Blowers.
- STP Blowers.
- ETP Blowers.
- Root Blowers.
- Industrial Air Blowers.

APPLICATIONS:

- Sewage Treatment Plant.
- Effluent Treatment Plant.

CAPACITY	DISCH. PRESSURE
25m ³ /hr	0.4 Kg/cm ²
30m ³ /hr	0.4 Kg/cm ²
40m ³ /hr	0.4Kg/cm ²
50m ³ /hr	0.4Kg/cm ²
75m ³ /hr	0.4Kg/cm ²
125m ³ /hr	0.5Kg/cm ²
150m ³ /hr	0.5Kg/cm ²
200 m ³ /hr	0.4Kg/cm ²
250 m ³ /hr	0.4Kg/cm ²
280m ³ /hr	0.5Kg/cm ²
300m ³ /hr	0.5Kg/cm ²
350m ³ /hr	0.5Kg/cm ²
400 m ³ /hr	0.5Kg/cm ²
480m ³ /hr	0.4Kg/cm ²
500m ³ /hr	0.5Kg/cm ²
600m ³ /hr	0.5Kg/cm ²
680m ³ /hr	0.4Kg/cm ²
700m ³ /hr	0.5Kg/cm ²
800m ³ /hr	0.5Kg/cm ²

AGITATOR:

SPECIFICATION:

Length	Power
1 Meter	0.5 HP Moter
1 Meter	1 HP Moter
2 Meter	1.5 HP Moter
2 Meter	2 HP Moter
2 Meter	3 HP Moter
3 Meter	3 HP Moter
3 Meter	3.5 HP Moter

Size:

- Water treatment.
- Bio- technology.
- Fermentation.
- Sewage treatment.
- Metallurgy.
- Flue gas desulfurization.



OIL SKIMMER:

SPECIFICATION:

FEATURES:

- Removes floating oil.
- Recovering spilled oil.
- Grease from liquid.

APPLICATION:

- Oily water treatment systems.
- Collecting fats, oils, and greases.
- Removing oil from machine tool.

Size	Length of belt	Model No
4" Pully	2 Meter	NO 4
6" Pully	2 Meter	NO6
8" Pully	2 Meter	NO8
12" Pully	2 Meter	NO12
16" Pully	2 Meter	NO16
24" Pully	2 Meter	NO24



CENTRIFUGE:

SPECIFICATION:

FEATURES:

- Separating the sediment from the liquid.
- Wear protection coating.
- Low power consumption.
- Highly reliable operation.

APPLICATION:

- Water treatment.
- Oil & food industries.

Size:

- Size Available in 12" to 48".



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