



PURGE - MASTER Series

MEMBRANES Enriching Lives With Purity

Murugappa Membranes (A Division of Parry Enterprises India Limited)



About Us

Murugappa Membranes is the membrane manufacturing division of Parry Enterprises India Limited (PEIL), one of the oldest companies within the Murugappa Group.

PEIL has been manufacturing polymer-based products for more than 40 years in India. Murugappa Membranes has a world class HF membrane manufacturing facility located at Palej, Gujarat. Our technical expertise lies in UF, MBR, direct-NF and other membrane solutions.

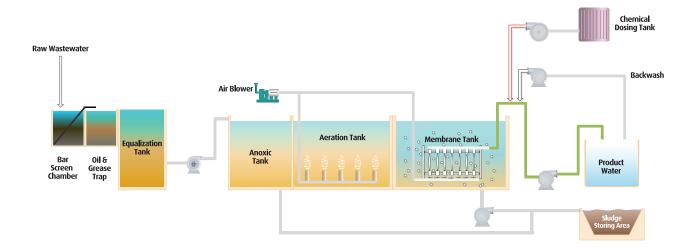
Murugappa Membranes provides Reinforced PVDF-MBR Membranes which are enhanced with PET (Polyethylene Terephthalate) for added strength and longevity and are widely accepted in sectors including water & wastewater treatment, pharmaceuticals, dairy, chemicals, oil, gas, petroleum etc due to their superior effluent quality, potential for water reuse, smaller footprint, improved process control etc

We passionately follow our moto 'Membranes-Enriching Lives with Purity' fueling our commitment to create a clean and sustainable environment. With your passion and our commitment, come, Let's create a sustainable future together; one drop at a time.

Murugappa Purge - Master Membrane Bio Reactor



Membrane Bioreactor System Flow Diagram



MURUGAPPA MEMBRANES PURGE-MASTER MBR TECHNICAL SPECIFICATIONS

The following standard sizes are available for Murugappa Membranes reinforced PVDF MBR membrane modules with an ID/OD of 1/2 mm:

Purge - Master Series						
Model No	X5	X10	X15	X20	X30	
Membrane Area (m²)	5	10	15	20	30	
Membrane Pore Size (µm)	0.05	0.05	0.05	0.05	0.05	
Module Length (mm)	710	710	710	625	1250	
Module Height (mm)	820	1300	1858	1960	2000	
Module Width (mm)	40	40	40	45	34	
Module Flow-Range (LPH)	50-100	100-200	150-300	200-400	300-600	

MURUGAPPA MEMBRANES PURGE-MASTER MBR OPERATIONAL SPECIFICATIONS

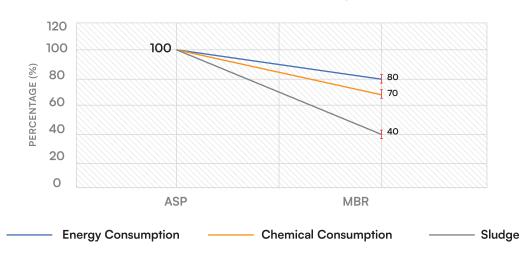
Parameter	Value	
Operation Mode	Out to In	
Filtration (Mins)	8-10	
Pause (Mins)	1-2	
Backwash Frequency (Mins)	10-30 (once)	
Backwash (Mins)	0.5-1	
Feed Flux (LMH)	10-20	
Backwash Flux (LMH)	35 (Max)	
Air Scouring	Required	

Parameter	Value
Operation pH	6-9
Cleaning pH	2-13
Temperature (°C)	20-45
MLSS (ppm)	6000 - 12000
Operating Pressure Range (Bar)	-0.1 to -0.5
Backwash Pressure Range (Bar)	0.5 to 1
CEB cleaning	Recommeded (Depending on water quality)

Outlet Water Quality

Parameter	Outlet Water Quality
TSS (ppm)	< 2
Turbidity (NTU)	<1

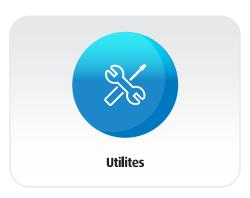
Comparision of Operating Cost

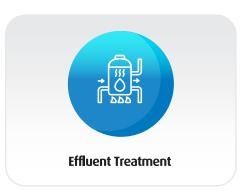


APPLICATIONS

MEMBRANE BIO REACTOR / SUBMERGED FILTRATION SYSTEM / CLARIFICATION

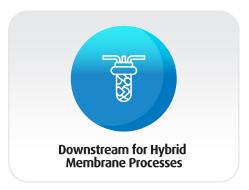












For more information or to request a quote, please contact us at

Murugappa Membranes
A Division of Parry Enterprises India Ltd

22A, Chandrakala Towers, 4th Floor, Pattulas Road, Chennai – 600 002

Phone: +91 9998238424 Email: membranes@parry.murugappa.com www.murugappamembranes.com