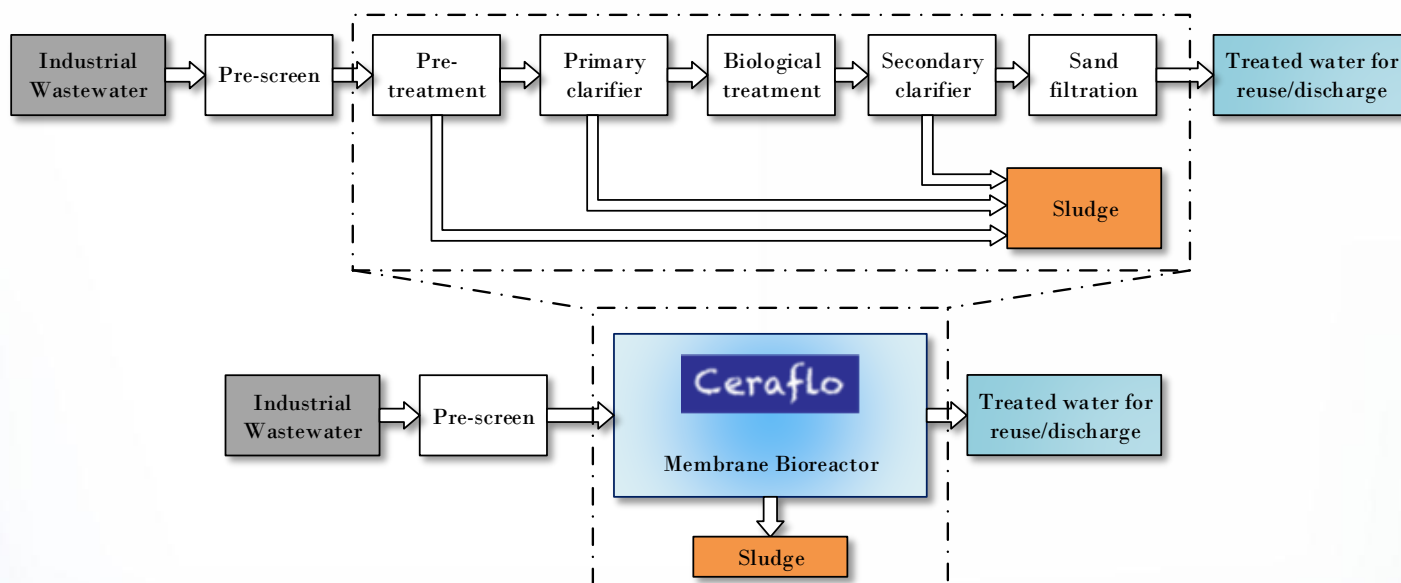


## CERAFLO® Membrane Bioreactor



**Membrane bioreactor (MBR) - Combined technology of MBBR, physical adsorption and membrane filtration, upgraded with micro-media as bio-substrate**

- ✓ **Lower OPEX**
  - Around 0.8-1.0 kWh/m<sup>3</sup>
- ✓ **Lower membrane fouling rate**
  - No need chemical wash process, only require tap water forward flushing every 3-6 months.
- ✓ **Higher bacteria concentration with lower tank volume requirement**
  - MLSS can be up to 15000 ppm
- ✓ **Able to withstand high contaminant loading**
  - COD can be allowed up to 2000 ppm
- ✓ **Flexible design**
  - Can be customised with its configuration and operation

✓ **Low Footprint**

\*Designed based on domestic wastewater



Ultrafiltration curtain membrane

Bioreactor



AMBRC60

Note: Ceraflo Pte Ltd reserves the right to make any changes to the information provided above without prior notice

## CERAFLO® Membrane Bioreactor



AMBRC200



AMBRC60

### MEMBRANE BIOREACTOR

MODEL	AMBRC200	AMBRC60
Configuration	Side stream	Submerged
Membrane modules	44 x CP42	60 x UF Curtain
Membrane material	Ceramic /Hydrophilic Modified Braided PVDF	
Flow rate	200 m <sup>3</sup> /day	100 m <sup>3</sup> /day

#### System includes:

- **Pressurised Ceramic membrane/Ultrafiltration UF Curtain cartridge**
- **Feed/Suction Pump**
- **Pressure Gauges, Flow Meters**
- **TDS Meter**
- **Manual and/or Electrical Solenoid Control Valves**
- **System on Racking, PVC & Stainless Steel Piping**

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