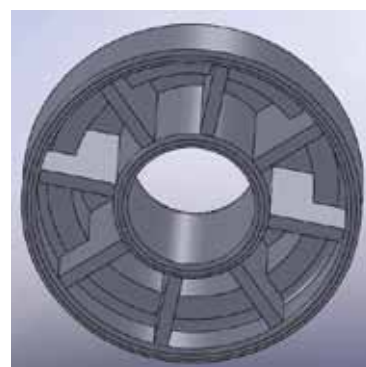


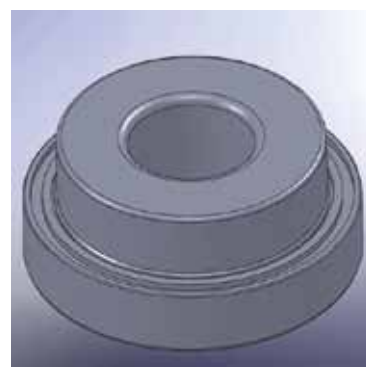


▮ TUBE DIFFUSER





Head



End

Feature

- > RCT tube diffuser with compression molded EPDM membranes to avoid ultraviolet degradation or chemical corruption
- > Tube inlet distributor is designed for all in one injection
- > The slit quantity is higher than others
- > The body support are made from ABS material
- > Tube are designed by hollow type for maximum strength at a minimum positive buoyancy
- > SUS 304 clamp to fix membranes on ABS pipes

Application

- > Municipal sewage treatment process
- > Aquafarm
- > Ozone diffuser application
- > Industrial wastewater treatment process
- > Rivers and lakes purify water
- > Purify water treatment process
- > Sludge stabilization process

Advantage

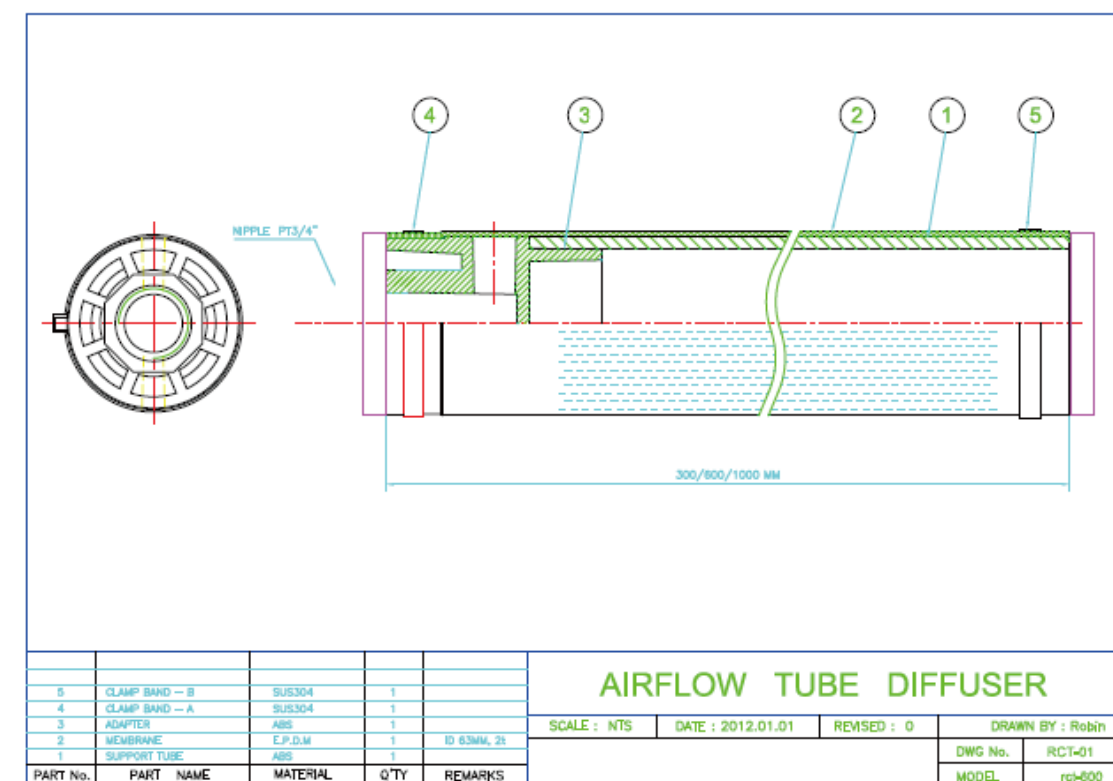
- > High oxygen transfer efficiency
- > Easy to install
- > High Tensile Strength
- > High service area
- > Aeration designed by batch (SBR...)
- > Low headloss
- > Self clean and good seal which keeps air in and water out
- > Low power consumption

Specification

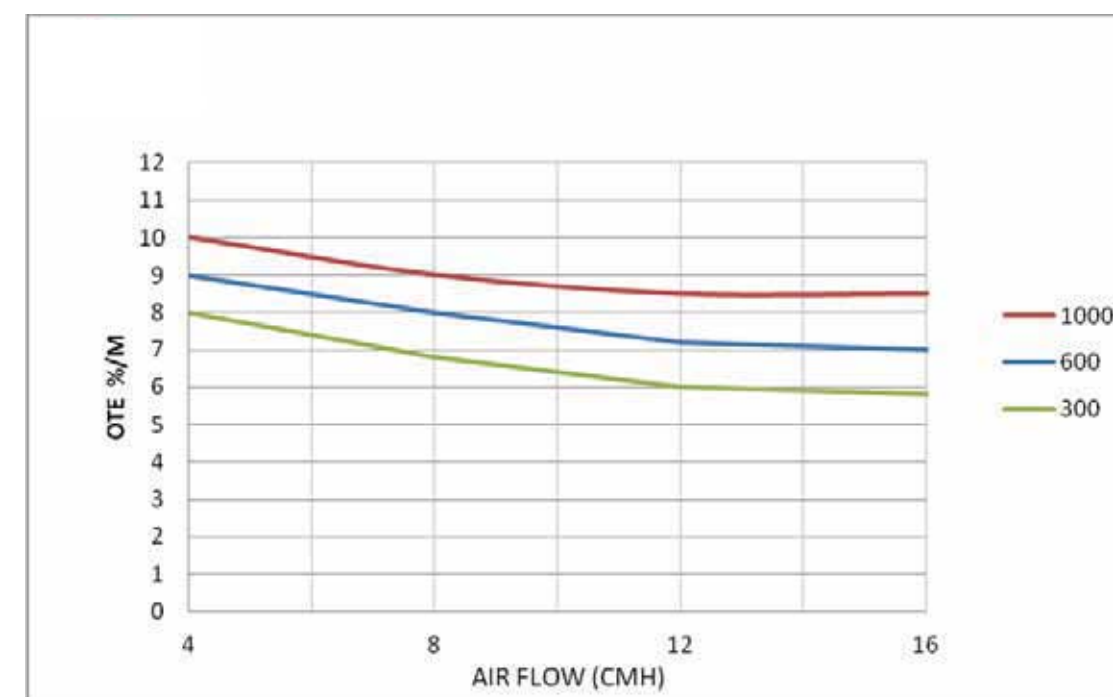
Model	Specification	Flow (l/min)	Membrane	Body	Clamp	Weight
RCT-300	300mm×63mm×3/4" PT	50 - 160	E.P.D.M	ABS	304 stainless	0.45 kg
RCT-600	600mm×63mm×3/4" PT	150 - 300	E.P.D.M	ABS	304 stainless	0.9 kg
RCT-1000	1000mm×63mm×3/4" PT	300 - 550	E.P.D.M	ABS	304 stainless	1.5 kg

ID : 63mm OD : 67mm

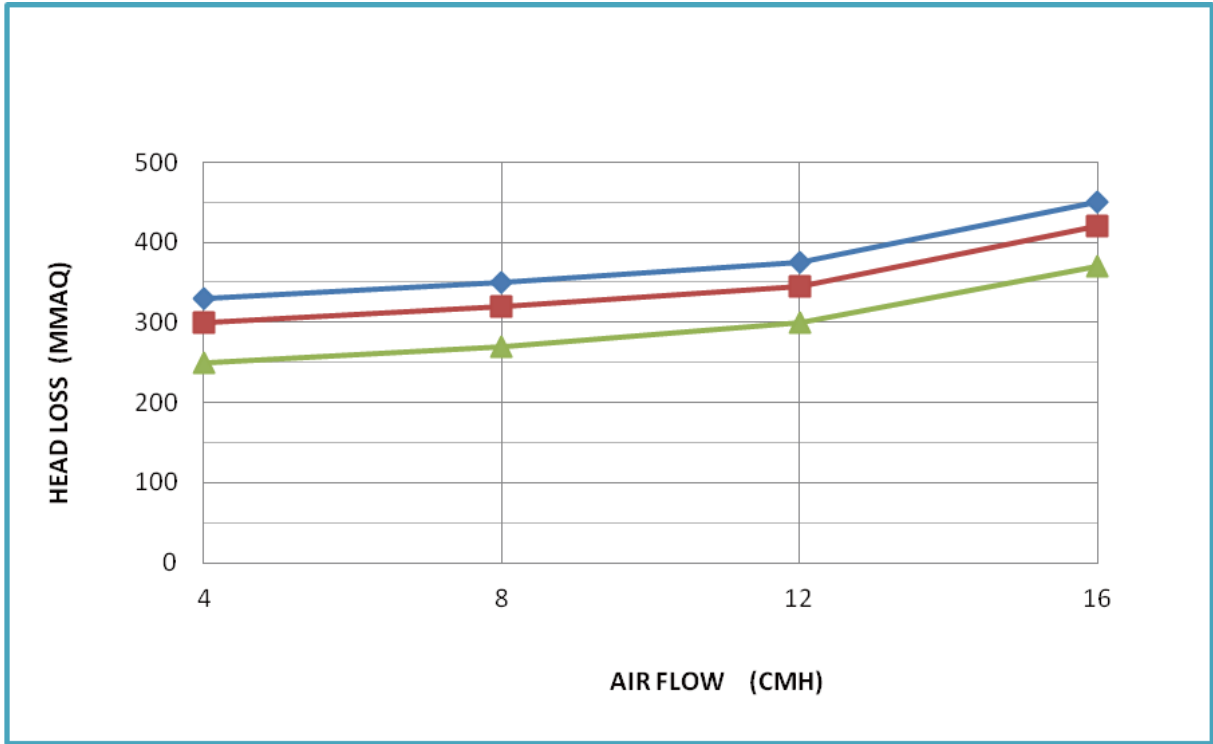
Construction



Oxygen Transfer Efficiency

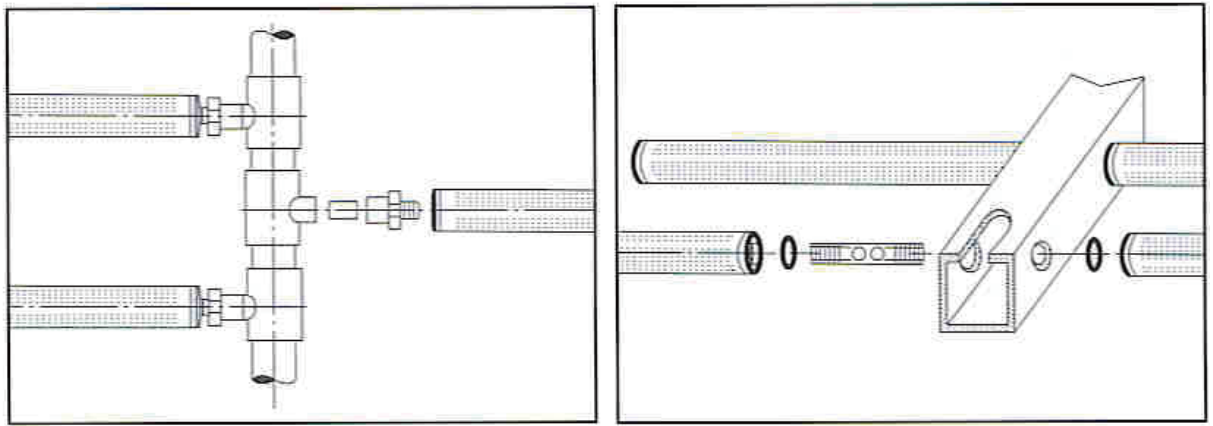


Headloss Curve

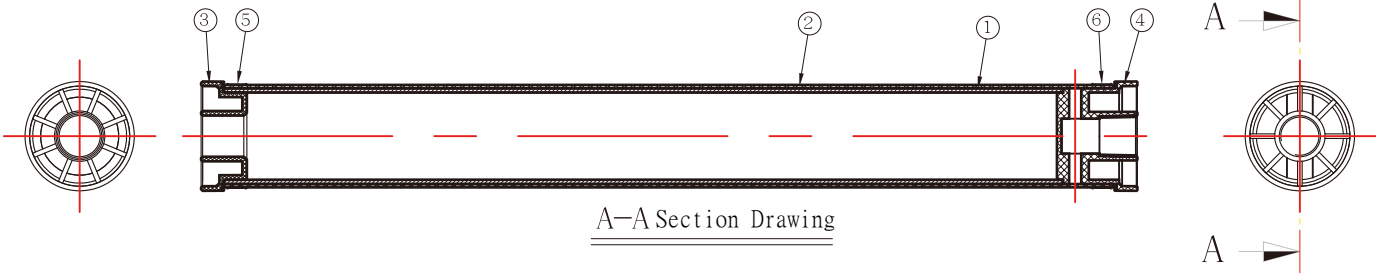
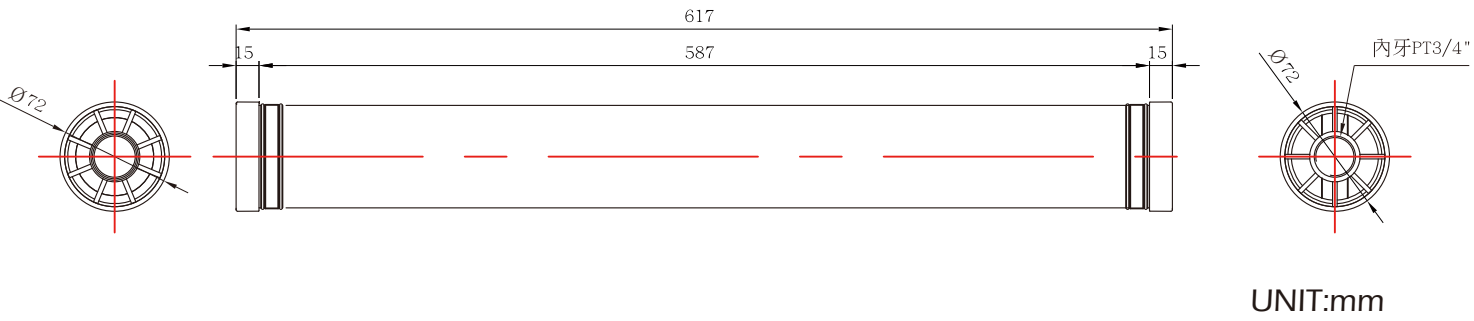


RCT Tube Diffuser Piping Installation

Our experience has shown you that tube is very easy to install. Tubes are available with quick and nipple connections. For high efficiency, please rotate perforations in horizontal position. Due to excellent seal, the support stands level will be allowed of a little difference. We recommend environmentally friendly Stainless Steel Sch 10 or PVC Schedule 40 pipes. Drop pipes are typically Sch 10 304L SS to avoid UV degradation.



Airflow Tube Diffuser Section drawing



NO	Part	Mtrl
1	Support Tube	ABS
2	Membrane	EPDM
3	Adapter-A	ABS
4	Adapter-B	
5	Clamp Band-A	SUS 304
6	Clamp Band-B	SUS 304