

# AIRSPEC® DISC DIFFUSER

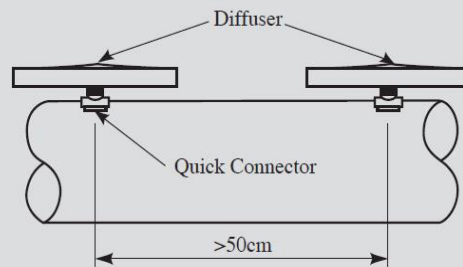


## APPLICATIONS

- Aeration system for waste water
- Treatment aeration "Activated Sludge"
- Aquaculture

## FEATURES

- Low operating cost
- Constant back pressure
- High oxygen transfer rate
- Extended lifetime expectancy
- Simple installation procedures
- Reliable intermittent aeration operation



## PERFORMANCE TABLE ( ARSD / ARCD )

TYPE	DIA. OF DISC (MM/INCH)	BUBBLE SIZE (MM)	AIR-FLOW (M <sup>3</sup> /HR)	SERVICE AREA (M <sup>2</sup> )	OPERATING TEMP (MAX) (°C)	CHECK VALVE	CONNECTION (MM/INCH)	WEIGHT (KG)
ARCD 270	270/10"	1-3	1.0-10	0.7	80	Yes	20 (3/4)"	0.75
ARSD 270	270/10"	1-3	1.0-10	0.7	80	No	20 (3/4)"	0.75
ARCD 330	330/12"	1-3	1.0-12	1.25	80	Yes	20 (3/4)"	1
ARSD 330	330/12"	1-3	1.0-12	1.25	80	No	20 (3/4)"	1
ARSD 144	144/6"	Coarse Bubble	12-24	0.19	80	No	20 (3/4)"	0.6

## PART PARAMETERS

### Membrane

1. Material: Ethylene Propylene Diene Monomer (EPDM)
2. Thickness: 2.0mm+0.15mm
3. Tensile strength: 13.9MPa (ASTM D412)
4. Maximum extensibility: 650% (ASTM D412)
5. Tearing toughness: 54kgf/cm<sup>2</sup> (ASTM D624 Die c)
6. Rigidity: 52 DUROMETER A (ASTM D2240)
7. Ultimate ethylene: 700%
8. Ozone resistance: Pass
9. Uv resistance: Pass

### Disc Base

1. Material: Propylene (PP)
2. Specific Gravity: 0.905
3. 120D Impact Strength: 15.5kg-m/cm
4. Tensile Strength: 27.89MPa (ASTM D412)
5. Tensile Elongation: 9%
6. Maximum Temperature: 1000C