



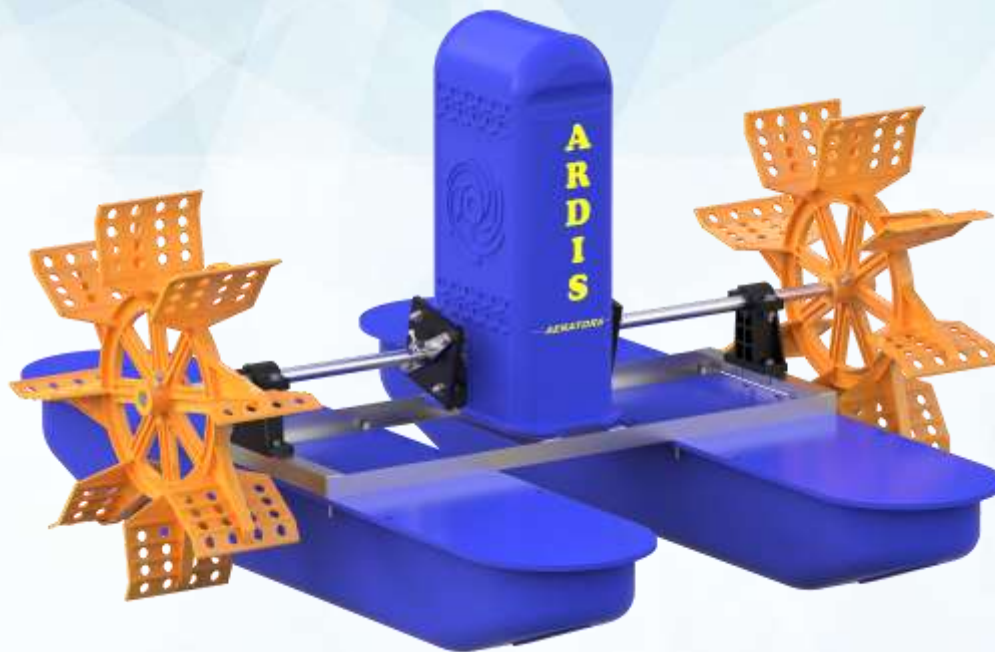
Quality “doesn’t mean pay more”

www.ardisenviro.com



Model: R2PWA100R3P:

1 HP 2 PADDLE WHEEL AERATOR – THREE PHASE



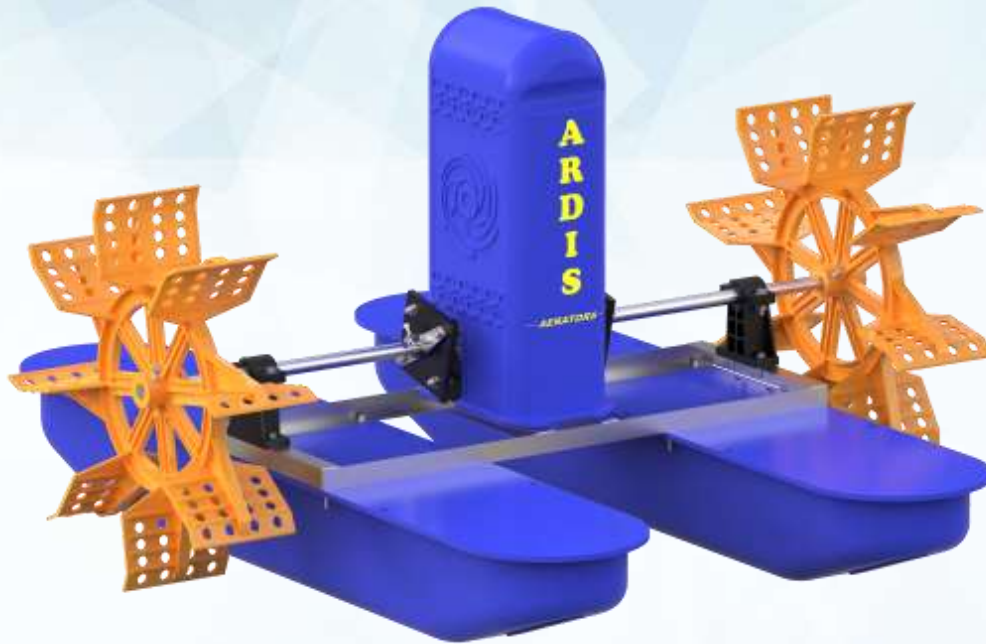
	1 HP 2Paddle	Three Phase	Qty
1	Floats	HDPE	2
2	Motor cover	HDPE	1
3	1 HP Motor (3 phase)	ARDIS 3 phase	1
4	Gear Box	Worm Gear	1
5	Impellers	PPCP	2
6	Frame	SS 304	1
7	Shaft	SS 304 (Solid Rod)	2
8	Shaft Supporter	NYLON	2
9	Joint	Cast iron	2
10	Nuts & Bolts	SS 304	1 set
	Power Consumption	1.4 Amps	
	Impeller RPM	106	
	Oxygen Transfer Rate	1.5 Kg/h	
	Dimensions (L*W*H)	(1.564*1.65*0.915)Meters.	

CLICK HERE: [VIDEO PERFORMANCE](#) & [INSTALLATION](#)

Ardis Enviro Solutions

Model: R2PWA100R1P:

1 HP 2 PADDLE WHEEL AERATOR – SINGLE PHASE



	1 HP 2Paddle	Single Phase	Qty
1	Floats	HDPE	2
2	Motor cover	HDPE	1
3	1 HP Motor (1 phase)	ARDIS 1 phase	1
4	Gear Box	Worm Gear	1
5	Impellers	PPCP	2
6	Frame	SS 304	1
7	Shaft	SS 304 (Solid Rod)	2
8	Shaft Supporter	NYLON	2
9	Joint	Cast iron	2
10	Nuts & Bolts	SS 304	1 set
	Power Consumption	1.4 Amps	
	Impeller RPM	106	
	Oxygen Transfer Rate	1.5 Kg/h	
	Dimensions (L*W*H)	(1.564*1.65*0.915)Meters.	

CLICK HERE: [VIDEO PERFORMANCE](#) & [INSTALLATION](#)

Ardis Enviro Solutions

Model: R4PWA120R3P: POWER SAVING

1 HP 4 PADDLE WHEEL AERATOR – THREE PHASE



	1 HP 4Paddle	Three Phase	Qty
1	Floats	HDPE	3
2	Motor cover	HDPE	1
3	1 HP Motor	ARDIS (Three Phase)	1
4	Gear Box	Bevel Gear	1
5	Impellers	PPCP	4
6	Frame	SS 304	1
7	Shaft	SS 304 (Sleeve Rod)	2
8	Shaft Supporter	NYLON	2
9	Joint	Cast iron	2
10	Nuts & Bolts	SS 304	1 set
	Power Consumption	1.9-2.0 Amps	
	Impeller RPM	106	
	Oxygen Transfer Rate	2.59 Kg/h	
	Dimensions (L*W*H)	(2.144*1.65*0.915)Meters	

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Ardis Enviro Solutions

Model: R4PWA120R3P:

2 HP 4 PADDLE WHEEL AERATOR – THREE PHASE



	2 HP 4Paddle	Three Phase	Qty
1	Floats	HDPE	3
2	Motor cover	HDPE	1
3	2 HP Motor	ARDIS (Three Phase)	1
4	Gear Box	Bevel Gear	1
5	Impellers	PPCP	4
6	Frame	SS 304	1
7	Shaft	SS 304 (Sleeve Rod)	2
8	Shaft Supporter	NYLON	2
9	Joint	Cast iron	2
10	Nuts & Bolts	SS 304	1 set
	Power Consumption	2.3 Amps	
	Impeller RPM	115	
	Oxygen Transfer Rate	2.59 Kg/h	
	Dimensions (L*W*H)	(2.144*1.65*0.915)Meters	

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Ardis Enviro Solutions

Model: R4PWA120R1P:

2 HP 4 PADDLE WHEEL AERATOR – SINGLE PHASE



	2 HP 4Paddle	Single Phase	Qty
1	Floats	HDPE	3
2	Motor cover	HDPE	1
3	2 HP Motor	ARDIS (Single Phase)	1
4	Gear Box	Bevel Gear	1
5	Impellers	PPCP	4
6	Frame	SS 304	1
7	Shaft	SS 304 (Sleeve Rod)	2
8	Shaft Supporter	NYLON	2
9	Joint	Cast iron	2
10	Nuts & Bolts	SS 304	1 set
	Power Consumption	2.3 Amps	
	Impeller RPM	115	
	Oxygen Transfer Rate	2.59 Kg/h	
	Dimensions (L*W*H)	(2.144*1.65*0.915)Meters	

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Model: PE6PWA120R3P: POWER SAVING

2 HP 6 PADDLE WHEEL AERATOR – THREE PHASE



	2HP 6Paddle		Qty
1	Floats	HDPE	4
2	Motor cover	HDPE	1
3	2 HP Motor	ARDIS	1
4	Gear Box	Bevel Gear	1
5	Impellers	PPCP	6
6	Frame	SS 304	1
7	Shaft	SS 304 (Solid Rod)	2
8	Shaft Supporter	NYLON	4
9	Joint	Cast iron	2
10	Nuts & Bolts	SS 304	1 set
	Power Consumption	2.4 amps	
	Impeller RPM	115	
	Oxygen Transfer rate	4.5 kg/h	
	Dimensions (L*W*H)	(3.34*1.65*0.915)Meters	

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Model: PE10PWA120R3: POWER SAVING

3 HP 10 PADDLE WHEEL AERATOR – THREE PHASE



	3 HP 10Paddle		Qty
1	Floats	HDPE	6
2	Motor cover	HDPE	1
3	3 HP Motor	ARDIS	1
4	Gear Box	Bevel Gear	1
5	Impellers	PPCP	10
6	Frame	SS 304	1
7	Shaft	SS 304 (Solid Rod)	2
8	Shaft Supporter	NYLON	6
9	Joint	Cast iron	2
10	Nuts & Bolts	SS 304	1 set
	Power Consumption	3.5 Amps	
	Impeller RPM	105	
	Oxygen Transfer Rate	7.5 Kg/h	
	Dimensions (L*W*H)	(5.244*1.65*0.915)Meters	

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Ardis Enviro Solutions



Working Principle:

- High speed working Impellers splash the water into the air, this splashing water mix the oxygen in the air and be brought into the water. The dissolved oxygen in the water increase.
- The working impellers produce waves and currents, which make the saturated ammonia, CO₂, Methane, Hydrogen, etc. go out of water and Improves the water quality.

Features:

- Our paddle wheel aerator are improved & Produced according to international standards.
- High efficient electric motor with low power consumption and metal gear system. A mechanical seal is available to prevent oil leakage.
- This electric motor works in low and high voltage.
- L angle SS frame holds the aerator very stable & performance is achieved.
- All 'UV Resistance' Plastic parts are used for better life in sunlight also harmless for aqua animals.

All the spare parts are available and can be procured easily.

Warranty Terms:

- Any **warranty** will be provided at our factory or authorised service center only.
(no on site warranty)
- Material will be dispatched according to availability of stock at our factory after receiving full payment only
- **Only service warranty** on Motor and Gearbox, No warranty on winding, physical damage and water damages. (for gearbox 140 and 320 gear oil should be used and replace every 4 months)
- **Two year Replacement warranty** for any manufacturing defect on rest of the products, from the date of purchase. (physical or transportation damage/missing of goods isn't our responsibility)
Before dispatch customer can inspect product at our factory or dealer directly or through video call.

Aerator Motor

- Single phase and three phase application.
- Product Range is 1 Hp, 2 HP and 3 Hp.
- 'F' Class insulation. High efficiency results in saving of energy bills
- Lower heat generation better heat dissipation.
- Copper wire is used.
- Totally enclosed fan cooled, degree of protection-IP44.
- Double side shield high quality imported bearings for long life

Available 1 ,2 & 3 HP

- One and only Motor comes with 27 Kgs.
- Self Designed Patent Motor.

Input : single & 3 Phase

- 1 HP 2 paddle wheel aerator : 1.4 Amps
- 1 HP 4 paddle wheel Aerator: 1.7 Amps
- 2 HP 4 paddle wheel Aerator: 2.3 Amps
- 2 HP 6 paddle wheel Aerator: 2.6 Amps
- 3 HP 6 paddle wheel Aerator: 3 Amps
- 2 HP 10 paddle wheel Aerator: 3.3 Amps
- 3 HP 10 paddle wheel Aerator: 3.5 Amps



GEARBOX:

- Our Bevel gear box comes with 6 ball bearings to achieve higher performance with 120RPM
- On special order we supply: Actual-bevel gears are used instead of worm gears, thereby economizing on energy with high efficiency, and saving over 20% electric energy over traditional models.
- A mechanical seal is available to prevent oil leakage.



HIGH PERFORMANCE SINGLE MOULD IMPELLER:

HIGH PERFORMANCE SINGLE MOULD IMPELLER:

- 304 Bush is used in impeller.
- Toughness against corrosion and sunburn resistance.
- Professional designed paddle and best angle, substantial water splash, strong water current and high Replaceable paddle, lower maintenance cost.
- Raw material Virgin UV protected PPCP.
- SS oxygenation performance.
- Tested @1.5 times of actual working parameter.
- In-house manufacturing facility which achieves high quality in product
- PPCP Wt: 2.2 Kgs ; Nylon wt.3.3 Kgs
- On special order we supply the product with nylon impellers.

Raw material procured from Reliance-[Reliance Industries Limited.](#)



HDPE FLOAT:

- Made of 100% Virgin HDPE material to optimize full ductility.
- Resistant impact, acid-alkalinity and sun exposure
- One piece blow moulded with absolutely no seeping
- Dimension :
L X B X H : 1700*330*210
Weight : 6 kgs

We have experience of 10 years in blowmolding.

Raw material procured from Reliance-
[Reliance Industries Limited](#)



HDPE Motor Cover:

- Made of 100% Virgin HDPE material to optimize full ductility
- Resistant impact, acid-alkalinity and sun exposure
- One piece blow moulded with absolutely no seeping

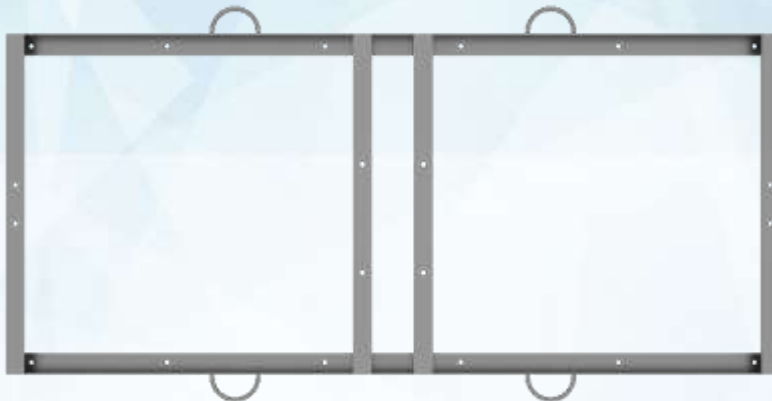
Wt: 2 Kgs

Raw material procured from Reliance-
[Reliance Industries Limited](#)



SS L-Angular Frame:

- Made of 100% SS304 L material .
- Milling and slotting of frame as per our aerator design.
- L material mainly designed for highly salt contained water with rust proof.



SS Shaft :

- Made of 100% SS304 Shaft.
- Milling and slotting of shaft as per our aerator design.



SS 304 Nuts & bolts:

- Heavy Duty SS304 Nuts & bolts are supplied.
- Procured from reputed manufacturer in India.



SS Coupler:

- Made of 100% SS304
- High Anti Corrosive
- High performance



Shaft Coupler Cast Iron / Nylon:

- Regular cast iron based coupler are available.
- As cast iron coupler is very weak towards the corrosion, we made of 100% Virgin Nylon material to optimize full ductility.
- No other company in India offer coupler in nylon.
- Resistant impact, acid-alkalinity and sun exposure.

Raw material procured from GUJLON ([Gujarat State Fertilizer & Chemicals Limited](#))



Nylon Stand / Shaft supporter:

- Heavy duty design to long life span & High Durability.
- Designed to be sturdy and without deformation.

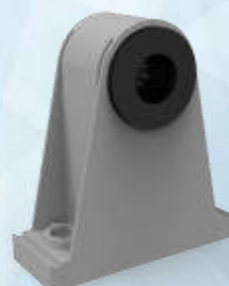
Raw material procured from GUJLON ([Gujarat State Fertilizer & Chemicals Limited](#))

Wt. 300 Grams NYLON GLASS FILLED.



PP Stand / Shaft supporter:

- Heavy duty design to long life span & High Durability.
- Designed to be sturdy and without deformation





Certificate of Compliance

This is to Certify that the following designated products :

Aerators, RAS Systems and RO Plants

This certificate is issued under the following conditions:

1. It applies only to the above referenced set of products mentioned above. The manufacturer is obligated to assure that all products of the respective model confirm to the type assessed by this certificate
2. The Certificate validity is conditioned by the positive result of the surveillance audits.
3. The Certificate remains valid until the manufacturing conditions, the quality systems or relevant legislation are changed but until the 04/01/2025
4. After Fulfilling the EU legislation requirements, the manufacturer shall affix to each product of the above referenced models, CE Marking according to the following example

Manufactured By

ARDIS ENVIRO SOLUTIONS

Plot No.39, Meenakshi Estates, Suchitra, Jeedimetla,
Hyderabad-500055 (Telangana)

*Conforms with the Applicable requirements of
89/392/EEC (Machinery) and
72/23/EEC (Low Voltage Directive)*

CERTIFICATE No. : 22ZAZI9066C

ISSUED DATE : 05/01/2022
EXPIRY DATE : 04/01/2025

1ST SURVEILLANCE : 04/01/2023
2ND SURVEILLANCE : 04/01/2024



Authorised Signatory

INTERNATIONAL QUALITY CERTIFICATION SERVICES UK LTD
272, Bath Street, Glasgow, G2 4JR, U.K.

This Certificate is Intellectual Property of IQCS and can be maintained through surveillance and renewal audits.
Certificate should be returned to IQCS in case of non compliance of certification procedure.
Authenticity of this certificate can be verified at www.ukacert.co.uk / www.iqcsert.co.uk





Certificate of Registration

*This is to certify that
The Environment Management System of*

ARDIS ENVIRO SOLUTIONS

**Plot No.39, Meenakshi Estates, Suchitra, Jeedimetla,
Hyderabad-500055 (Telangana)**

*has been assessed and found to be in compliance
with the requirements of the standard*

ISO 14001:2015

for the following scope :

**Manufacturer and Suppliers of Various Types Aerators,
RAS Systems and RO Plants**

CERTIFICATE No. : 22ZAZI9064E

**ISSUED DATE : 05/01/2022
EXPIRY DATE : 04/01/2025**

**1ST SURVEILLANCE : 04/01/2023
2ND SURVEILLANCE : 04/01/2024**



Authorised Signatory

**INTERNATIONAL QUALITY CERTIFICATION SERVICES UK LTD
272, Bath Street, Glasgow, G2 4JR, U.K.**

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Authenticity of this certificate can be verified at www.ukacert.co.uk / www.iqcsert.co.uk
The Registration is not a Product Quality Certificate.





Certificate of Registration

*This is to certify that
Occupational Health & Safety Management System of*

ARDIS ENVIRO SOLUTIONS

**Plot No.39, Meenakshi Estates, Suchitra, Jeedimetla,
Hyderabad-500055 (Telangana)**

*has been assessed and found to be in compliance
with the requirements of the standard*

ISO 45001:2018

for the following scope :

**Manufacturer and Suppliers of Various Types Aerators,
RAS Systems and RO Plants**

CERTIFICATE No. : 22ZAZI90650

**ISSUED DATE : 05/01/2022
EXPIRY DATE : 04/01/2025**

**1ST SURVEILLANCE : 04/01/2023
2ND SURVEILLANCE : 04/01/2024**



Authorised Signatory

**INTERNATIONAL QUALITY CERTIFICATION SERVICES UK LTD
272, Bath Street, Glasgow, G2 4JR, U.K.**

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Authenticity of this certificate can be verified at www.ukacert.co.uk / www.iqcs-cert.co.uk
The Registration is not a Product Quality Certificate.





Certificate of Registration

*This is to certify that
The Quality Management System of*
ARDIS ENVIRO SOLUTIONS

**Plot No.39, Meenakshi Estates, Suchitra, Jeedimetla,
Hyderabad-500055 (Telangana)**

*has been assessed and found to be in accordance with the
requirements of the management system standard*

ISO 9001:2015

for the following scope :

**Manufacturer and Suppliers of Various Types Aerators,
RAS Systems and RO Plants**

CERTIFICATE No. : 22ZAZI2498Q

ISSUED DATE : 05/01/2022
EXPIRY DATE : 04/01/2025

1ST SURVEILLANCE : 04/12/2022
2ND SURVEILLANCE : 04/12/2023


Managing Director

UAF IS MEMBER OF IAF



CB-MS-4022

Accredited By United Accreditation Foundation (UAF)
400 North Center DR, STE 202 Norfolk, VA 23502,
United States of America (USA)



For BMG Conformity Assessment Services Pvt. Ltd.
C-338, 2nd Floor, Sector-10, Noida-201301, G.B. Nagar, (U.P.)

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