

QUESTIONS OR SPARE PARTS, VISIT www.interpet.co.uk

Spares Code	Part
2558	2m Clear Silicone Airline
2560	2m Blue Silicone Airline
2565	Check Valve
2570	15mm x 25mm Airstone (2 pack)
2575	100mm Long Airstone
2576	150mm Long Airstone
2577	300mm Long Airstone

Air Pump	Spares Kit Code
AVMINI	2545 - AV Mini Annual Maintenance Kit 2546 - Carbon & Felt Filter Pack
AV1	2547 - AV 1 & 2 Annual Maintenance Kit 2549 - Carbon & Felt Filter Pack
AV2	2547 - AV 1 & 2 Annual Maintenance Kit 2549 - Carbon & Felt Filter Pack
AV3	2550 - AV 3 & 4 Annual Maintenance Kit 2552 - Carbon & Felt Filter Pack
AV4	2550 - AV 3 & 4 Annual Maintenance Kit 2552 - Carbon & Felt Filter Pack

SPARES

Model	Powers filters in aquariums up to approx.	Size of Airwall	Max no. of other features	Air Flow (L/hr)	Pressure (mbar)
AVMINI	46cm (18" long)	1 x 1"	1	75	0.22
AV1	60cm (24" long)	1 x 12"	2	170	0.23
AV2	100cm (36" long)	1 x 18"	4	200	0.27
AV3	120cm (48" long)	4 x 18"	6	2 x 250	0.23
AV4	150cm (60" long)	4 x 18"	8	2 x 300	0.23

TECHNICAL SPECS

WARRANTY

This product is warranted as free from defects in materials and workmanship for a period of 2 years from the date of purchase. This warranty covers only any defects caused during normal use and operation of the air pump, in accordance with the instructions enclosed.

It does not apply to any unauthorised modifications or misuse, improper or inadequate maintenance, or operations outside the product specifications. In case of defect within the stated warranty period, the product should be returned, with proof of purchase, to the point of purchase.

This warranty does not affect your statutory rights. Warranty service includes repair or replacement of the air pump at Interpet Ltd.'s discretion. Neither Interpet nor the manufacturer are liable for any direct, indirect, special, incidental or consequential damages, including loss of livestock, arising from a defect in this product.

WEEE STATEMENT

Disposal of used Electrical and Electronic Equipment (applicable in the European Union and other European countries with separate collection systems):

This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead, it is your responsibility to dispose of your waste equipment by arranging return to a designated collection point for the recycling of waste electrical and electronic equipment. By separating and recycling your waste equipment at the time of disposal you will help to conserve natural resources and ensure that the equipment is recycled in a manner that protects human health and the environment. For more information about recycling the product, please contact your local city office, your household waste disposal service or the shop from where you purchased the product.

Consumer Advice contact details:
Interpet Consumer Advice Department,
Interpet House, Vincent Lane, Dorking
Surrey RH4 3YX

Email: customercare@interpet.co.uk



Interpet has applied over 65 years of aquatic experience to ensure every element of the design of this product has been carefully considered to help you enjoy aquarium keeping.

Fish require oxygen-rich water in order to remain healthy. Filter bacteria, essential to the breakdown of highly toxic ammonia and nitrite, also require oxygen to flourish and keep the aquarium free from the build up of toxic waste. Use of an Interpet Airvolution aquarium air pump will increase the level of oxygen in the aquarium and reduce levels of carbon dioxide by injecting air into the water.

Aeration in an aquarium is especially important during spells of warm weather, when water holds much less oxygen, and at night when plants stop producing oxygen and begin to use it. Fish seen gulping at the surface or swimming lethargically may be showing signs of a lack of oxygen.

Oxygenation, provided by the use of an air pump, is essential when treating fish diseases, as suffering fish require higher levels of oxygen, and many treatments deplete oxygen levels in the water.

BENEFITS OF AQUARIUM AERATION

DANGER: To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt repair yourself, return the appliance to an authorised service facility for servicing, or discard the appliance.

This is for indoor use only – do not use outside. Do not use this unit if the cable or plug are damaged or appear to be malfunctioning, or if it dropped or damaged in any manner. Do not use if the plug gets wet. Refer to the positioning section of the instructions. Dispose of responsibly following instructions from your local authority. Close supervision is necessary when any appliance is used by or near children. Do not install or store the appliance where it will be exposed to the weather or to temperatures below freezing point. If an extension cord is necessary, a cable rated with a proper rating should be used. A cable rated for less amperes or watts than the appliance rating may cause the product to overheat. Care should be taken to arrange the cable so that it will not be tripped over or pulled.

WARNING: To guard against injury, basic safety precautions should be observed, including the following guidelines:

SAFE GUARDS



Airvolution Aquarium Air Pump

AV Mini, AV1, AV2,
AV3 and AV4

QUICK
SETUP GUIDE

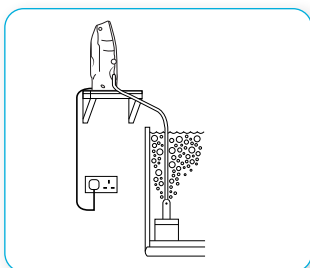
LIFE SUPPORT FOR
COLDWATER AND
TROPICAL AQUARIUMS



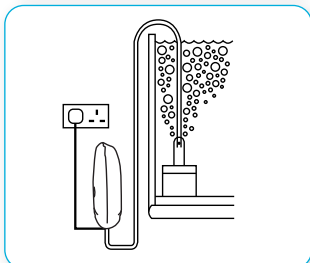
INSTALLING AND POSITIONING YOUR AIR PUMP

POSITIONING

1. Place the pump on a shelf higher than the water level in the aquarium, but not directly above, so the pump cannot fall into the water. The shelf should have a ledge to prevent the pump from sliding off (diagram 1).



2. Place the pump on a surface lower than the water level of the aquarium. If placing on the floor, ensure that there is no excessive dust or carpet fibres. Avoid placing the pump where it can become wet or accidentally splashed. Use an Interpet Check Valve in line between the pump and the aquarium. The check valve should be close to the pump outlet (diagram 2).



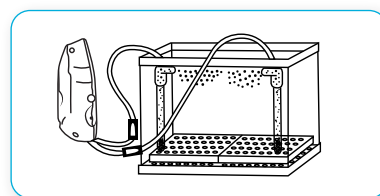
Note: if being used with a marine aquarium, we would recommend to always place the air pump higher than the water level, and use an Interpet Check Valve.

KEY

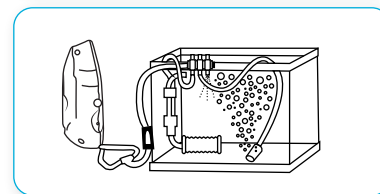
AV	Airline tubing	Check valve	3-way valve	3-way valve with bung	T-piece	Excess air	Air stone / filter / air ornament

USAGE EXAMPLES

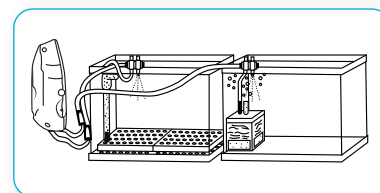
Undergravel filter:



Air stone:



AV3/4 only – multiple aquarium use:



AV Mini/1/2	Single air stone		Joint outlet to supply two features	
AV 3/4	Twin outlets for two air stones		Joint outlet to supply multiple features	
	Ring mains to supply multiple aquariums			

MAINTENANCE

Replacing the air filter pad:

Turn off power supply to the air pump.

Remove the old air filter pad – using a pair of tweezers may make it easier to remove.

Replace the air filter pad for a new pad.

Return the air pump to its original position.
Turn power supply back on.

This should be done every 3-6 months, depending on the environment in which the air pump is operating.

Note: a clean air filter pad will help to decrease pressure on the diaphragms, leading to a longer life span.

Replacing the diaphragm – AV Mini:

Turn off power supply to the air pump.

Using the tool provided, undo and remove the screws on the side of the air pump and separate the cover.

Slide diaphragm & flapper valve assembly out of the mounting bracket.

Replace with the new diaphragm and flapper valve assembly.

Reattach the cover halves and reinsert the screws.

Return the air pump to its original location and turn power supply back on.

Replacing the diaphragm – AV 1 & 2:

Turn off power supply to the air pump.

Using the tool provided, undo and remove the screws on the side of the air pump and separate the cover.

Slide diaphragm & flapper valve assembly out of the mounting bracket.

Remove the diaphragm to the flapper valve housing.

Attach new diaphragm to the flapper valve housing.

Return the assembly to the mounting bracket.

Reattach the cover halves and reinsert the screws.

Return the pump to its original location and turn power supply back on.

Replacing the diaphragm – AV 3 & 4:

Turn off power supply to the air pump.

Using the tool provided, undo and remove the screws on the side of the air pump and separate the cover.

Undo the diaphragm mounting screw and slide the diaphragm and flapper valve assembly out of the mounting bracket.

Remove the diaphragm from the flapper valve housing.

Attach new diaphragm to the flapper valve housing.

Return the assembly to the mounting bracket and reinsert the diaphragm mounting screw.

Reattach the cover halves and reinsert the screws.

Reattach the air pump to its original location and turn supply back on.

TROUBLESHOOTING

Pump is noisy:

Ensure the pump is stood on its four rubber feet on a secure surface.

Tip: if the pump still causes noise by standing on a solid surface place a piece of coarse aquarium filter foam underneath to lift it off the surface.

Is the noise coming from the airline tubing? Switch to using a silicone airline – these adsorb the noise caused by vibration a lot more efficiently than PVC based airlines.

Check there are no kinks or other unnecessary restrictions on the airline.

Loss of air flow:

Check that the air filter pad is not blocked.

Check there are no leaks in the airline, or around any adaptors (check valves, valves etc.) used in the airline.

Check that there are no blockages in the airline.

Check there are no kinks in the airline.

Check that the airstones are not clogged – replace for new as necessary.

Check the diaphragms – if they are showing any sign of wear or any tears, they will need replacing.

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