Stocking levels
It is not possible to say exactly how many fish your aquarium can hold. Marine fish are often territorial, so one fish may claim large areas of the tank, displaying aggressive behaviour to others in the tank. This can sometimes be reduced by moving around the rock and décor display.

Please check the compatibility of your fish and invertebrates with our Aquatics Team. Some species may start out small but turn out to be far too big for your aquarium. There are several marine fish which are poisonous so be sure to research the species or ask for advice before purchase.

Do not expect to fill your tanks with as many fish as the stores do, they are able to do this due to expertise and advanced filtration systems.

Some species require bright lighting, others fast water flow. Ask our colleagues for advice; it is often simple to adapt your aquarium for species’ requirements. The closer the aquarium mimics the natural environment, the healthier the fish will be.

Maintenance
The water quality needs to be monitored frequently, especially during initial set-up and when stocking the tank. This helps to reduce the chance of causing health problems to the animals through high ammonia (NH3) and nitrite (NO2-) levels. Tests should also include pH, phosphate and calcium.

Once stocked, the tank should be topped up with freshwater to maintain the water level and the S.G. between 1.020-1.025. A protein skimmer will need to be emptied and the fish require feeding two to three times a day. If feeding invertebrates, it is advisable to switch off the water pumps temporarily to allow them to feed.

A small water change (10-15%) is advisable every two to three weeks, this helps to reduce nitrate (NO3-) levels. A siphon should be used to remove silt from the gravel.

Transporting & releasing your fish
Fish are easily stressed by excessive lights, vibrations, noise and movement. When transporting your fish home, try to reduce the stress your fish are subjected to.

We supply your fish in a plastic bag; try not to keep your fish in the plastic bag too long. It’s best that once purchased, the fish should be taken home straight away to avoid any changes in the chemistry and temperature of the water in the bag.

Once home, your fish will need to acclimatise to their new environment. It is best to switch off aquarium lights and float the bag in the water of your tank for up to 30 minutes to ensure the temperature in the bag is the same as the aquarium water. Slowly add small volumes of aquarium water to the bag. This allows the fish to acclimatise to any differences between the retailer’s water and your own. This can take up to half an hour. Once complete, slowly release the fish into the aquarium adding as little of the shop water as possible and discard the bag and excess water.

Checklist
Before you buy your fish make sure:

• You’ve the correct equipment and position for the aquarium
• You’ve researched all the species you are interested in and your final choices are all compatible to live together
• You’re familiar with how to transport and release your fish
• You’re aware of the daily, weekly and monthly maintenance your aquarium will need
• You’re prepared to look after your fish properly for the duration of their life

Never release your aquarium animals or plants into the wild
Never release an animal or plant bought for a home aquarium into the wild. It is illegal and for most fish species this will lead to an untimely and possibly lingering death because they are not native to this country. Any animals or plants that do survive might be harmful to the environment.

Leaflet developed in conjunction with OATA (Ornamental Aquatic Trade Association)
www.ornamentalfish.org/fish-keeper/useful-information

We pride ourselves in supplying healthy fish and never knowingly sell one that is sick. All of our pond and aquarium fish are guaranteed against ill health for seven days after purchase. If you encounter a problem please contact a member of our Aquatics Team.
Keeping an aquarium at home can be an enjoyable and rewarding hobby for both adults and children. It’s been shown that a healthy and well-maintained aquarium can reduce your stress levels.

Marine aquaria can add fascinating colours and a wide range of organisms to your home. However, before purchasing an aquarium, you should consider all the aspects raised in this leaflet to ensure that the underwater community you choose to create is looked after properly and that the fish remain healthy.

As a general rule you should buy an aquarium as big as possible. Larger aquaria contain more water and are easier to maintain a healthy environment for your fish.

Equipment
The equipment required for a marine set-up is more advanced than that of a freshwater one. Below is a preliminary list of equipment. If in doubt, please ask a member of our Aquatics Team for more information.

Initial requirements:
1. Glass/acrylic aquarium and suitable stand
   (It is easier to maintain good water quality in larger tanks)
2. Marine aquarium salt and bucket for mixing
3. Filter
4. Marine gravel/sand
5. Live rock

6. Thermometer
7. Hydrometer
8. Heater
9. Gravel cleaner
10. Water testing kits
11. Food

Additional useful equipment:
1. Protein skimmer and power heads
2. UV steriliser
3. Advanced lighting systems (especially for a reef tank)
4. An ozoniser
5. Reverse Osmosis (RO) water filter

Positioning your tank
Once the equipment is ready, the tank should be positioned carefully so it is:
1. Out of direct sunlight and away from sources of heat
2. On a perfectly flat level surface or stand which can indefinitely support the weight of the tank when it’s filled with water

Adding your saltwater
Before the water is added to the aquarium, specialised marine salt for aquaria needs to be mixed with the water. A Specific Gravity (S.G.) of 1.020-1.025 is required at between 23-28°C.

Salt water should be prepared carefully following the manufacturer’s guidelines.

Maturing your tank
Marine fish have little tolerance of ammonia or nitrite; therefore, the tank needs to be ‘matured’ before ANY fish can be added. Maturing a tank involves growing a population of nitrifying bacteria in the filter media. These bacteria are responsible for quickly breaking down fish waste, such as ammonia, to nitrite and then nitrate, which is less toxic.

Once the aquarium has been filled with salt water and gravel/sand, the salinity should be monitored with a hydrometer for a few days to ensure it is stable.

There are three options to mature the tank. A commercially available bacterial supplement can be added, following the manufacturer’s instructions, or a base of cured live rock (this is marine rock which contains nitrifying bacteria and invertebrates – as such, you will not be able to use copper-based treatments) or the addition of fish. Once one of these has been used, the ammonia, nitrite and nitrate levels need to be monitored. There will be an initial ammonia peak, followed by a nitrite peak. If maturing with fish, then ensure these levels do not rise above the guidelines below. Once these two parameters have dropped to a safe level (preferably to zero), the tank is mature and ready to begin stocking slowly. The time for maturation varies and requires patience.

<table>
<thead>
<tr>
<th>Safe levels</th>
<th>Ammonia (NH₃)</th>
<th>Nitrite (NO₂⁻)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.01mg/l</td>
<td>0.125mg/l</td>
</tr>
</tbody>
</table>

Adding your fish
There are different types of marine tank which can be established: reef fish only and community. On the whole, a fish-only tank is a good starting point for a newcomer to keeping a marine aquarium. A fish-only tank can easily be turned into a reef tank in the future as you become more experienced, though you may need to buy additional equipment. Remember, if you do keep any invertebrates, remember you should never use copper treatments as these will kill them.

Always seek advice before purchasing fish - not all species are compatible to live together. Some have specialised requirements and others may become aggressive with age.

Add fish slowly. Overstocking or stocking too quickly may cause ‘new tank syndrome’ where the filter is not capable of coping with the increased waste load. The water quality can quickly deteriorate to unhealthy levels and sometimes fish will not survive.

Be aware of what a healthy fish looks like - healthy fish have clear bright eyes, undamaged fins, intact scales, no ulcerations or bumps, appropriate swimming and steady breathing. Do not purchase a seemingly healthy fish if sickly fish are present in the tank with it, as fish can carry diseases without showing symptoms.