



Instructions on using and maintaining you dome port

18408: 8" GLASS DOME

Thank you for acquiring this Aquatica dome port. Should you ever have any questions or comments concerning this product please contact your local dealer or Aquatica at (514) 737-9481 or info@aquatica.ca

This Dome Port is made of finely ground BK-7 mineral glass and treated with a BBAR antireflective coating and a SiO₂ protective coating, it is optically designed to accept variety of lenses, ranging and including, Ultra Wide Angle, Standard Wide Angle all the way to fisheye lenses with 180 degrees of field of view.

Lens charts covering your housing compatibility with dome and lenses are available for download from our web site: www.aquatica.ca. These charts will inform you which recommended extension ring (if needed), which zoom or focus gear would be needed for operating your lens with this dome port.

Note: An extension ring is meant to be inserted between the housing and the dome port to provide optical correction needed for some lenses. For more information on these extension rings and their purposes, please download the PDF document "Learn More About Extension rings" from the extension ring section of our website.



The optional rear port cap # 18790 will cover the rear and help prevent the infiltration dust and foreign object inside the dome port.

INSTALLATION OF DOME PORT:

The Aquatica Housing System features a bayonet mount. Place the Port inside the front opening of the housing, align one of the four, indicator notches with the top of the housing, push the Port until the bayonet is completely inside the housing, finally turn the Port clockwise approx. 60 degrees until the bayonet is stopped (if your housing is equipped with a bayonet lock, please refer to your housing instruction manual to confirm its operation). Check to ensure proper seating and sealing.

Note: If there is too much resistance take the Dome Port off, check O-ring and retry.

CARE AND MAINTENANCE:

It is recommended that after each and every salt-water dive, your Housing and Dome System be soaked in fresh water for at least 15-30 minutes. Do not rinse your port with a port cap (# 18790) attached to it, this port cap is not waterproof

IMPORTANT: Extreme care should be taken to avoid scratches on the lens surface. The 8" Glass Dome is and should be treated like a photographic lenses should.

Clean your 8" Glass Dome glass surface with approved optical grade glass cleaning solution only, using a soft lint free clothes. Dust on the interior surfaces of the port can be removed with a soft camel hairbrush or a blower brush. Caution must be taken when using aerosol devices so as not to spray the lens material with the liquid propellant as this may seriously affect the optical properties of the port.

TO SERVICE O-RINGS ON THE HOUSING MAIN O-RING, PORTS AND EXTENSION RINGS

The O-rings needs to be maintained on a regular basis, it should be cleaned, inspected and lubricated every time the port or extension is changed or removed.

1. Remove the O-ring. It is important never to use a sharp instrument when removing an O-ring as this may damage the O-ring groove or the O-ring itself. A dull pointed object or the edge of a credit card usually works well.
2. Once the O-ring is removed, it should be examined for damage. Check to make sure that the O-ring is free of nicks and cuts and that it retains its original round profile. O-rings that appear to be damaged should be discarded immediately and replaced with new O-rings. Rinse the O-ring with fresh water and dry it with a clean lint free cloth.
3. Clean the O-ring groove (where the O-ring sits) with a cotton swab. Remove any lint the cotton swab may leave behind. Inspect the groove for damage. Wipe the part of the housing that the O-ring seals against with a clean lint-free cloth.
4. Re-grease the O-ring with a thin layer of O-ring grease until it appears to be smooth and shiny. Do not over grease it. Use just enough lubricant so the O-ring will pull smoothly through your fingers. Excessive amounts of grease will only serve to attract dirt, reinstall and confirm that the O-ring is properly (evenly) installed in its groove.

Warning: Use only recommended Aquatica O-ring lubricant (# 19213) on your Aquatica Housing and ports. Petroleum based lubricant used by some manufacturers for their Silicone based O-rings can and will cause swelling of the O-ring material, this will make the O-ring very difficult to install and it could likely end up being damaged or pinched with dire consequences.

Accidental damage, sand or dirt on the O-ring, the bayonet or the sealing surface may prevent an adequate seal. It is the responsibility of the user to test adequately before each dive.

Before installing the camera:

Prepare the housing (minus its camera) with the 8" Glass Dome and its required extension ring (if needed) as well as properly connected strobes to be used or ensure that the bulkhead plugs are in place if no strobes are to be used. Once this is done, immerse the housing in a rinse tank or shallow water for at least 30 seconds (minimum), and inspect thoroughly for leaks before proceeding to install the camera.

The Aquatica Warranty does not apply in the event of a failure to perform this seal test or in the absence of evidence of a defect in the manufacture of the product.