

Safety Guide

The following precautions must be taken when using Cuplas. Please contact Nitto Kohki or the outlet/supplier where you purchased the product with regard to repair procedures, certification on the specification or applications of the products.



Precautions Relating to the Use of All Cuplas

- Be sure to read the "Instruction Sheet" that comes with the product or "Caution" on the package before use.

Cuplas for Low Pressure (Air)

⚠ Caution

- Only use Cuplas as quick connecting fluid couplings.
- The fluid to be used must be compatible with the body and seal material of Cupla.
- Only use Cuplas with a combination of Nitto Cuplas.
- Do not use Cuplas continuously exceeding the rated working pressure.
- Only use Cuplas within the range of the rated temperature. Otherwise the seal may get damaged or deteriorate and cause leakage.
- Do not apply any excessive impact, bend or tension more than is necessary to connect or disconnect Cuplas. It may cause leakage or damage.
- Do not use Cuplas in a place where dust or metal dust gets in. It may cause malfunction or leakage.
- May cause malfunction or leakage if paint sticks to Cuplas.
- Do not disassemble Cuplas.
- Disconnect the Cupla plug and socket while holding the plug in one hand and the socket in the other.
- After connection, try to pull the Cupla plug and socket apart to check secure connection.
- Selecting the wrong type of seal material may cause leakage. In making your selection, check the compatibility of seal and body material with the type of fluid and temperature. As to the use of any special paint or solvent, make thoroughly sure of the material compatibility.
- In cleaning Cuplas, do so in a manner that will not affect the seal and body material of Cuplas. (Before cleaning, consult us.)
- Do not drop Cuplas. It may reduce the performance of the Cuplas.
- Do not connect Cuplas directly to a vibrating or impact device. It may result in reduced lifetime.
- Do not use Cuplas continuously at the lowest or highest working temperature.
- Do not exceed the recommended maximum torque when screwing in to the male or female thread of a Cupla for installation. It may cause thread damage.
- Do not apply any excessive bending, tension or rotation to Cuplas. It may cause leakage or damage.
- Dirt, scratches or damages on the sealing surface may cause leakage.
- The inclusion of foreign matter in the fluid to be used may cause malfunction. Fluid must be cleaned through filters before reaching to Cuplas.
- Do not strike the tip of an automatic shut-off valve with a hammer or a similar tool. It may cause leakage or malfunction. Consult us for an alternative way of releasing the residual pressure.
- Put a Nitto genuine dust cap on the plug after disconnection when there is a possibility of dirt sticking to the plug seal surface.

Cautions on Handling Cupla Hose

⚠ Caution

- Make sure that there is no twist or bend on the hose before use.
- Do not get the hose scratched or squeezed with stones or a concrete for a long time. It may cause leakage or damage.
- Do not bend the hose excessively near the Cupla.
- Do not use Cupla Hose as a hoist.
- Do not use the hose near fire. It may soften or deform the hose.
- Keep the hose in a shaded, dry and well-ventilated place.
- Do not bend the urethane hose less than the minimum-bending radius of 3 cm.
- Disconnect a Cupla plug and socket while holding the plug in one hand and the socket in the other.
- After connection, try to pull the Cupla plug and socket apart to check secure connection.
- In cleaning Cuplas, do so in a manner that will not affect the seal and body material of Cuplas. (Before cleaning, consult us.)
- Do not drop Cuplas. It may reduce the performance of the Cuplas.
- Do not connect Cuplas directly to a vibrating or impact device. It may result in reduced lifetime.
- Do not use Cuplas continuously at the lowest or highest working temperature.
- Do not apply any excessive bending, tension or rotation to Cuplas. It may cause leakage or damage.
- Dirt, scratches or damages on the sealing surface may cause leakage.
- The inclusion of foreign matter in the fluid to be used may cause malfunction. Fluid must be cleaned through filters before reaching to Cuplas.
- Do not strike the tip of an automatic shut-off valve with a hammer or a similar tool. It may cause leakage or malfunction. Consult us for an alternative way of releasing the residual pressure.

Cupla for Oxygen / Fuel Gas

⚠ Warning

- Fluid must flow from socket to plug.
- Use a thread sealant on the male taper pipe thread to ensure no leakage.
- Do not exceed the recommended maximum torque when screwing in to the male or female thread of a Cupla for installation. It may cause damage.
- The fluid to be used must be compatible with the body and seal materials of Cupla.
- Only use Cuplas with a combination of Nitto Cuplas.
- Do not use Cuplas continuously exceeding the rated working pressure.
- Only use Cuplas within the range of the rated temperature. Otherwise the seal may get damaged or deteriorate and cause leakage.
- Do not apply any excessive impact, bend or tension more than is necessary to connect or disconnect Cuplas. It may cause leakage or damage.
- Do not use Cuplas in a place where dust or metal dust gets in. It may cause malfunction or leakage.
- May cause malfunction or leakage if paint sticks to Cuplas.
- Do not use the Cupla in a place where gas is likely to build up.
- Do not connect or disconnect the Cupla near fire.
- Replace the Cupla with a new one if it caused a backfire.
- Never use any oil when assembling the Cupla to a hose. It may cause spontaneous fire.
- Cut off the hose at least 3 cm from the end when the hose is re-used.
- Do not strike the tip of an automatic shut-off valve with a hammer or a similar tool. It may cause leakage or malfunction. Consult us for an alternative way of releasing the residual pressure.

⚠ Caution

- Only use Cuplas as quick connecting fluid couplings.
- Insert a hose right to the end of the hose barb and secure it tightly with hose clamps.
- Keep Cuplas indoors away from water or moisture.
- Do not use a hose with cracks. It may cause leakage or accidental disconnection.
- Always check for leakage on Cuplas before use. Never use the Cupla with leak. Replace it with a new one.
- Make sure that the valve on the torch is closed before connecting a Cupla to the torch.
- In cleaning Cuplas, do so in a manner that will not affect the seal and body material of Cuplas. (Before cleaning, consult us.)
- Do not drop Cuplas. Dropping may reduce the performance of the Cuplas.
- Do not connect Cuplas directly to a vibrating or impact device. It may result in reduced lifetime.
- Do not use Cuplas continuously at the lowest or highest working temperature.
- Do not apply any excessive bending, tension or rotation to Cuplas. It may cause leakage or damage.
- Dirt, scratches or damages on the sealing surface may cause leakage.
- The inclusion of foreign matter in the fluid to be used may cause malfunction. Fluid must be cleaned through filters before reaching to Cuplas.

Mold Cupla / Flow Meter

⚠ Caution

- The fluid to be used must be compatible with the body and seal material of Cupla.
- Do not use Cuplas continuously exceeding the rated working pressure.
- Only use Cuplas within the range of the rated temperature. Otherwise the seal may get damaged or deteriorate and cause leakage.
- Do not apply any excessive impact, bend or tension more than is necessary to connect or disconnect Cuplas. It may cause leakage or damage.
- Do not use Cuplas in a place where dust or metal dust gets in. It may cause malfunction or leakage.
- May cause malfunction or leakage if paint sticks to Cuplas.
- Do not exceed the recommended maximum torque when screwing in to the male or female thread of a Cupla for installation. It may cause thread damage.
- Do not use a hose with cracks. It may cause leakage or accidental disconnection.
- Do not connect Cuplas directly to a vibrating or impact device. It may result in reduced lifetime.
- The inclusion of foreign matter in the fluid to be used may cause malfunction. Fluid must be cleaned through filters before reaching to Cuplas.
- Do not disassemble Cuplas.
- Disconnect a Cupla plug and socket while holding the plug in one hand and the socket in the other.
- After connection, try to pull the Cupla plug and socket apart to check secure connection.
- Selecting the wrong type of seal material may cause leakage. In making your selection, check the compatibility of seal and body material with the type of fluid and temperature. As to the use of any special paint or solvent, make thoroughly sure of the material compatibility.
- In cleaning Cuplas, do so in a manner that will not affect the seal and body material of Cuplas. (Before cleaning, consult us.)
- Do not drop Cuplas. It may reduce the performance of the Cuplas.
- Do not use Cuplas continuously at the lowest or highest working temperature.
- Do not apply any excessive bending, tension or rotation to Cuplas. It may cause leakage or damage.
- Dirt, scratches or damages on the sealing surface may cause leakage.
- Do not strike the tip of an automatic shut-off valve with a hammer or a similar tool. It may cause leakage or malfunction. Consult us for an alternative way of releasing the residual pressure.