



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.

Cupla for Low Pressure (Water, Liquid) and for Medium Pressure

Warning

- 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 pressure to a Cupla socket or plug while they are disconnected.
- Do not disassemble Cuplas.

Caution

- 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 thread damage.
- Only use Cuplas as quick connecting fluid couplings.
- Only use Cuplas with a combination of Nitto Cuplas. (Except Lever Lock Cupla)
- 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.
- Install a shut-off valve between the pressure source and Cuplas.
- Do not use Cuplas as a swivel joint.
- 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.
- Make sure that O-rings and Packing seals are lubricated at all times.
- 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.
- 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 sure the compatibility thoroughly.
- 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.
- Put a Nitto genuine dust cap on the plug after disconnection when there is a possibility of dirt sticking to the plug seal surface.

Cuplas for High Pressure

Warning

- 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 connect or disconnect Cuplas while they are pressurized or residual pressure remains (Except HSP-PV type).
- Do not apply pressure to a Cupla socket or plug while they are disconnected.
- Do not disassemble Cuplas.

Caution

- 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 thread damage.
- Only use Cuplas as quick connecting fluid couplings.
- Only use Cuplas with a combination of Nitto Cuplas.
- 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.
- Install a shut-off valve between the pressure source and Cuplas.
- Do not use Cuplas as a swivel joint.
- Do not connect Cuplas directly to a vibrating or impact device. It may result in reduced lifetime.
- Do not use 280 Type Cupla with water-glycol operating oil which could dissolve zinc plating.
- Contact us when using Cuplas for high pressure gases.
- The inclusion of foreign matter in the fluid to be used may cause malfunction. Fluid must be cleaned through filters before reaching to Cuplas.
- Make sure that O-rings and Packing seals are lubricated at all times.
- Do not flow fluid through Cuplas at the speed of more than 8 m/s.
- 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.
- Use a seal and body material suitable to the fluid referring to the pages of Seal Material and Body Material Selection Tables at the end of the catalog.
- 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.
- Put a Nitto genuine dust cap on the plug after disconnection when there is a possibility of dirt sticking to the plug seal surface.

Multi Cupla Series

Overall Multi Cuplas

Warning

- 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 disassemble Cuplas.

Caution

- 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.
- 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.
- Only use Cuplas as quick connecting fluid couplings.
- 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 strike the tip of an automatic shut-off valve with a hammer or a similar tool. It may cause leakage or malfunction.
- Do not flow fluid through Cuplas at the speed of more than 8 m/s.
- Install a shut-off valve between the pressure source and Cuplas.
- Only use Cuplas with a combination of Nitto Cuplas.
- Check up on Cuplas periodically. Stop using Cuplas if malfunction is found.
- 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 sure the 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 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.

MAM Type

Warning

- Do not drop Multi Cuplas. It may cause deformation of the plate.

Caution

- Make sure that the lever is in the "connect" position, and securely connect socket and plug.
- Do not force turning the lever. This may cause breakage.
- Install hoses symmetrically from the locking unit when they are connected to the Cuplas in order to distribute the reaction force evenly.
- Use a thread sealant on the male taper pipe thread to ensure no leakage.
- Make sure that O-rings and Packing seals are lubricated at all times.

MAM-A Type / MAM-B Type

Warning

- Do not connect or disconnect Cuplas while they are pressurized or residual pressure of more than 0.6 MPa remains. It could lead to damage on the Cuplas.
- Do not drop Multi Cuplas. It may cause deformation of the plate.

Caution

- Make sure that the lever is in the "connect" position, and securely connect socket and plug.
- Do not force turning the lever. This may cause breakage.
- When replacing a Cupla from the plate, carefully remove the C type retaining ring by using a pair of snap ring pliers. Make sure not to expand the C type retaining ring too much. It is recommended that a new C type retaining ring should be used when a Cupla is replaced.
- Install Cuplas symmetrically from the locking unit when they are connected to the plate in order to distribute the reaction force evenly.
- Make sure that O-rings and Packing seals are lubricated at all times.

MAS Type / MAT Type

Warning

- Do not connect or disconnect sockets and plugs while they are pressurized.
- Match the lateral side of the hexagon shaped body part of the socket to that of the plug when they are connected.
- Do not exceed more than 0.6 mm diameter for the axial eccentricity when a socket and a plug are connected. It may cause leakage or breakage.

Caution

- Do not connect MAT type each other since there is no allowance for eccentricity.
- Make sure that O-rings and Packing seals are lubricated at all times.
- Do not drop Cuplas. It may reduce the performance of the Cuplas.

MALC-SP Type

Danger

- Do not apply pressure more than 2 MPa to a Cupla socket or plug while they are disconnected. It may cause the valve to pop out.

Warning

- Do not exceed more than 2 mm diameter for the axial eccentricity. It may cause leakage or breakage.
- Do not exceed more than 0.5 degree for the angle of inclination during connection or disconnection. It may cause leakage or breakage.

Caution

- Make sure that O-rings and Packing seals are lubricated at all times.
- Do not drop Cuplas. It may reduce the performance of the Cuplas.

MALC-HSP Type

Danger

- Do not apply pressure more than 8 MPa to a Cupla socket or plug while they are disconnected. It may cause the valve to pop out.

Warning

- Do not exceed more than 2 mm diameter for the axial eccentricity. It may cause leakage or breakage.
- Do not exceed more than 0.5 degree for the angle of inclination during connection or disconnection. It may cause leakage or breakage.

Caution

- Make sure that O-rings and Packing seals are lubricated at all times.
- Do not drop Cuplas. It may reduce the performance of the Cuplas.